

# Catalog Home

## Welcome to Eastern Michigan University's Online Catalog

A new year and a new catalog! As you can see the look of the catalog has changed. The new face-lift has refreshed the left side navigation along with adding quicker and easier access to Eastern's main web pages. The catalog has also become an annual publication, allowing changes to programs and courses to occur more quickly. As the catalog is the contract with the student, our goal is to always stay accurate and up to date with changes you need to know about. The links below are just another way the catalog has improved to meet your needs with more information beneficial to you.

If this icon is at the top right-hand corner of a program it means the program has changed.  
Click the icon for the new program information

# General University Information

The University graduate bulletin covers a 24-month period, September 1, 2009 through August 31, 2011. Courses, majors, minors, programs, degrees and certificates in this catalog are subject to change without notice and may not be available in the future.

Click on a link to be taken to the entry below.

- Academic Year
  - 2009-2010 University Calendar
  - 2010-2011 University Calendar
- Mission Statement
- University Creed
- University Profile and History
- Accreditations

## Academic Year

### 2011-2012 University Calendar

#### Fall Semester 2011

Aug. 27, Sat.	Freshmen Residence Hall Move-In Day
Aug. 28-29, Sun., Mon.	Upperclass Residence Hall Move-In Days
Aug. 27-30, Sat., Sun., Mon., Tues.	Freshmen Orientation
Aug. 31, Wed.	Classes Begin
Sept. 5, Mon.	Labor Day no Classes- University Closed
Nov. 22, Tues. by 10 PM	Residence Halls Close
Nov. 23, Wed.	No Classes - University Open
Nov. 24-27, Thurs., Fri., Sat., Sun.	Thanksgiving Recess - University Closed
Nov. 28, Mon.	Classes Resume
Dec. 12, Mon.	Last Day of Classes
Dec. 13-19, Tues., Wed., Thurs., Fri., Sat., Sun., Mon.	Final Examinations
Dec. 18, Sun.	Commencement
Dec. 19, Mon. by 10 PM	Residence Halls Close

Dec. 19, Mon.	Close of Fall Semester
Dec. 23-Jan. 2	University Closed

## **Winter Semester 2012**

Jan. 2-3, Mon., Tues.	University Closed
Jan. 8, Sun.	Move-In Day and Winter Orientation
Jan. 9, Mon.	Classes Begin
Jan. 16, Mon.	MLK Jr. Day - No Classes; Campus-Wide Celebration
Feb. 24, Fri. by 10 PM	Residence Halls Close
Feb. 27-March 4, Mon., Tues., Wed., Thurs., Fri., Sat., Sun.	Winter Recess - No Classes; Campus Open
March 5, Mon.	Classes Resume
April 6-8, Fri., Sat., Sun.	Spring Recess - University Closed
April 23, Mon.	Last Day of Classes
April 24-30, Tues., Wed., Thurs., Fri., Sat., Mon.	Final Examinations
April 29, Sun.	Commencement
April 30, Mon. by 10 PM	Residence Halls Close
April 30, Mon.	Close of Winter Semester

## **Spring Session 2012**

May 6, Sun.	Move-In Day
May 7, Mon.	Classes Begin
May 28, Mon.	Memorial Day - University Closed
June 18, Mon.	Last Day of Classes - 6 Week
June 27, Wed.	Last Day of Classes - 7½ Week
	Final Exams will be held during the last scheduled class session
June 27, Wed. by 10 PM	Residence Halls Close
June 27, Wed.	Close of Spring Semester

## Summer Session 2012

July, Sun.	Move-In Day
July 2, Mon.	Classes Begin
July 4, Wed.	Independence Day - University Closed
Aug. 10, Fri.	Last Day of Classes - 6 Week
Aug. 22, Wed.	Last Day of Classes - 7½ Week
	Final Exams will be held during the last scheduled class session
Aug. 22, Wed. by 10 PM	Residence Halls Close
Aug. 22, Wed.	Close of Summer Semester

## 2012-2013 University Calendar

### Fall Semester 2012

Sept. 1, Sat.	Freshmen Residence Hall Move-In Day
Sept. 2-3, Sun., Mon.	Upperclass Residence Hall Move-In Days
Sept. 1-4, Sat., Sun., Mon., Tues.	Freshmen Orientation
Sept. 5, Wed.	Classes Begin
Nov. 20, Tues. by 10 PM	Residence Halls Close
Nov. 21, Wed.	No Classes - University Open
Nov. 22-25, Thurs., Fri., Sat., Sun.	Thanksgiving Recess - University Closed
Nov. 26, Mon.	Classes Resume
Dec. 12, Wed.	Last Day of Classes
Dec. 13-15, 17-19 Thurs., Fri., Sat., Mon., Tues., Wed.,	Final Examinations
Dec. 16, Sun.	Commencement
Dec. 19, Wed. by 10 PM	Residence Halls Close
Dec. 19, Wed.	Close of Fall Semester
TBA*	University Closed

## Winter Semester 2013

Jan. 2, Wed.	University Opens
Jan. 6, Sun.	Move-In Day and Winter Orientation
Jan. 7, Mon.	Classes Begin
Jan. 21, Mon.	MLK Jr. Day - No Classes; Campus-Wide Celebration
March 1, Fri. by 10 PM	Residence Halls Close
March 4, Mon., Tues., Wed., Thurs., Fri., Sat., Sun.	Winter Recess - No Classes; Campus Open
March 11, Mon.	Classes Resume
March 29-31, Fri., Sat., Sun.	Spring Recess - University Closed
April 19, Fri.	Last Day of Classes
April 20, 22-26 Sat., Mon., Tues., Wed., Thurs., Fri.	Final Examinations
April 28, Sun.	Commencement
April 26, Fri. by 10 PM	Residence Halls Close
April 26, Fri.	Close of Winter Semester

## Spring Session 2013

May 5, Sun.	Move-In Day
May 6, Mon.	Classes Begin
May 27, Mon.	Memorial Day - University Closed
June 17, Mon.	Last Day of Classes - 6 Week
June 26, Wed.	Last Day of Classes - 7½ Week
	Final Exams will be held during the last scheduled class session
June 26, Wed. by 10 PM	Residence Halls Close
June 26, Wed.	Close of Spring Semester

## Summer Session 2013

July 30, Sun.	Move-In Day
July 1, Mon.	Classes Begin - 7 1/2 Weeks
July 4, Thurs.	Independence Day - University Closed
July 8, Mon.	Classes Begin - 6 Weeks
Aug. 16, Fri.	Last Day of Classes - 6 Week
Aug. 23, Fri.	Last Day of Classes - 7½ Week
	Final Exams will be held during the last scheduled class session
Aug. 23, Fri. by 10 PM	Residence Halls Close
Aug. 23, Fri.	Close of Summer Semester

## Eastern Michigan University Mission

Eastern Michigan University is committed to excellence in teaching, the extension of knowledge through basic and applied research, and creative and artistic expression. Building on a proud tradition of national leadership in the preparation of teachers, we maximize educational opportunities and personal and professional growth for students from diverse backgrounds through an array of baccalaureate, master's and doctoral programs. We provide a student-focused learning environment that positively affects the lives of students and the community. We extend our commitment beyond the campus boundaries to the wider community through service initiatives and partnerships of mutual interest addressing local, regional, national and international opportunities and challenges.

### Institutional Values

- Teaching and learning
- Excellence
- Human dignity and respect
- Diversity
- Scholarship and intellectual freedom
- Public engagement
- Leadership and participatory decision-making
- Integrity

### Guiding Principles

- Accessibility
- Relevancy
- Responsiveness to change
- Flexibility
- Quality
- Collaboration
- Accountability

- Affordability

## Eastern Michigan University Creed

We believe the **Integrity** of our work and the **Respect** we show for our fellow students, faculty, alumni and staff are an integral part of our ongoing **Education**. We believe that the **Relationships** we have and those we continue to develop will support us as we learn and grow together as a community.

## University Profile and History

Eastern Michigan University is a comprehensive University whose roots date back to 1849, when the Michigan Legislature designated it as Michigan's first institution to educate teachers to serve the public schools. At that time the Detroit school system was only 10 years old and the transition from one-room school houses had just begun.

Graduate education was inaugurated in 1938, when the programs were conducted in cooperation with the University of Michigan. In 1953 Eastern gained approval to offer its own graduate programs.

During its first 100 years, Michigan State Normal School, as it was originally called, certified thousands of teachers and developed the broad-based academic curricula that prepared it for its evolution to University status in 1959. Within the new University, three colleges emerged: the College of Education, the College of Arts and Sciences, and the Office of Graduate Studies and Research. The University has expanded three more times: in 1964 with the College of Business; in 1975 with the College of Health and Human Services; and in 1980 with the College of Technology.

New colleges created a need for additional acreage. The University campus spread from its original 275 acres on the south side of the Huron River to encompass an additional 182 acres west of the campus where student residences, athletic facilities and the Convocation Center are located. Among the newest buildings are the Porter College of Education building (1999); the Marshall College of Health and Human Services building (2000); and the University House (2004).

Today's student body reflects the national trend of mature adults returning to college to continue their education and prepare for new careers in a changing society. Women compose approximately 65 percent of the student body. Most students are from the state of Michigan, but 45 states and 93 countries are also represented. In fall 2006, 23,000 undergraduate and 4,650 graduate students were enrolled at Eastern Michigan University.

EMU's perspective has also grown, not only in on-campus program development, but also in online courses offered through the Office of Extended Programs.

Eastern Michigan University is known worldwide for its educational contributions. Its 105,000 living graduates are scattered among many countries as well as coast-to-coast in the United States, both strengthening and supporting the foundation that is the University in Ypsilanti, Michigan.

## Accreditations of Colleges and Departments

The University is fully accredited by the Higher Learning Commission, a subcommittee of the North Central Association of Colleges and Schools. In 2001 the University received an unqualified accreditation for a period of 10 years.

Eastern Michigan University also retains membership in these organizations: American Association of Colleges for Teacher Education; American Music Therapy Association; Association of Baccalaureate Social Work Program Directors; Council on Hotel, Restaurant and Institutional Education; Michigan Coalition of Schools/Departments offering the MSW; Michigan Historic Preservation Network; National Association of Deans and Directors of Schools of Social Work; National Council for Preservation Education; National Trust for Historic Preservation; and The Pioneer America Society.

## Colleges and Departments

### College of Arts and Sciences

- Department of African American Studies
- Department of Art
- Department of Biology
- Department of Chemistry (*accredited by the American Chemical Society*)
- Department of Communication, Media and Theatre Arts
- Department of Computer Science
- Department of Economics
- Department of English Language and Literature
- Department of Geography and Geology (*historic preservation accredited by the National Council for Preservation Education; urban and regional planning accredited by the Association of Collegiate Schools of Planning and by the Planning Accreditation Board; historic preservation affiliated with the Association for Preservation Technology, Michigan Historic Preservation Network, Pioneer America Society, Vernacular Architecture Forum and the National Trust for Historic Preservation*)
- Department of History and Philosophy
- Department of Mathematics
- Department of Music and Dance (*accredited by the National Association of Schools of Music and the American Music Therapy Association*)
- Department of Physics and Astronomy
- Department of Political Science (*public administration accredited by the National Association of Schools of Public Affairs and Administration*)
- Department of Psychology (*accredited by the Association for Behavior Analysis, American Psychological Association and Council of Applied Master's Programs in Psychology*)
- Department of Sociology, Anthropology and Criminology
- Department of Women's and Gender Studies
- Department of World Languages

## **College of Business**

*(Accredited by the Association to Advance Collegiate Schools of Business)*

- Department of Accounting and Finance
- Department of Computer Information Systems
- Department of Management
- Department of Marketing

## **College of Education**

*(All professional educator preparation programs of EMU are accredited by the National Council for the Accreditation of Teacher Education and approved by the Michigan Department of Education.)*

- Department of Leadership and Counseling (*community, college and school counseling programs accredited by the Council for Accreditation of Counseling and Related Educational Programs*)
- Department of Special Education (*speech-language pathology program accredited by the American Speech-Hearing Association; hearing impaired program accredited by the Council on Education for the Deaf*)
- Department of Teacher Education (*accredited by the National Council for the Accreditation of Teacher Education*)

## **College of Health and Human Services**



- School of Health Promotion and Human Performance (*athletic training accredited by the Commission on Accreditation of Allied Health Education Programs and the Joint Review Committee on Education Planning and Athletic Training; health education accredited by the Michigan Department of Education/National Council for the Accreditation of Teacher Education; orthotics and prosthetics accredited by the National Commission on Orthotics and Prosthetics Education; physical education accredited by the National Association of Sport and Physical Education/National Council for the Accreditation of Teacher Education*)
- School of Health Sciences (*clinical laboratory sciences program accredited by the National Accreditation Agency for Clinical Laboratory Sciences; occupational therapy accredited by the Accreditation Council for Occupational Therapy Education; dietetics accredited by the Commission on Accreditation for Dietetics Education of the American Dietetic Association*)
- School of Nursing (*accredited by the Commission on Collegiate Nursing Education*)
- School of Social Work (*accredited by the Council on Social Work Education*)

## **College of Technology**

- School of Engineering Technology (*Construction Management accredited by the Project Management Institute Global Accreditation Center for Project Management; computer-aided design, manufacturing technology and polymers and coatings technology accredited by the National Association of Industrial Technology; interior design accredited by the Foundation for Interior Design Education and Research*)
- School of Technology Studies (*aviation management, communication technology and industrial distribution accredited by the National Association of Industrial Technology; hospitality management program accredited by the Council on Hotel, Restaurant and Institutional Education; legal assistant (paralegal studies) program accredited by the American Bar Association; network and information technology administration, marketing education, technology education - folio approved by the National Council for Accreditation of Teacher Education/International Technology Educational Association/Council on Technology Teacher Education*)
- Military Science and Leadership

# The Graduate School

## Organization

The Graduate School administers graduate education at Eastern Michigan University. The Associate Vice President for Graduate Studies and Research provides leadership in the development of graduate education and oversees adherence to Graduate School policies and procedures.

The Graduate School reserves the right to modify curricula, course content, admission standards, degree requirements and/or tuition and fees without advance notice. The information in this catalog is not a binding contract between the Graduate School and the student.

A Graduate Council, composed of faculty, administrators and students, recommends policy and plans for the development of graduate education. A membership roster is available from the Graduate School.

## Objectives

The Graduate School seeks to expand and improve the professional competence of its students by preparing them for more advanced academic work, providing expertise in research techniques in their chosen disciplines, and offering learning opportunities in convenient locations and individualized modes.

Faculty throughout the University are committed to meeting the learning needs of graduate students in a variety of programs and settings. Within the formal programs in the various academic disciplines, there is sufficient flexibility to accommodate the professional goals of each student.

Click on a link to be taken to the entry below.

- Degrees and Certificates Offered
  - Doctoral Degrees
  - Specialist's Degrees
  - Master's Degrees
  - Advanced Graduate Certificates
  - Graduate Certificates

## Degrees and Certificates Offered

### Doctoral Degrees

#### College of Arts and Sciences

Department of Psychology

Clinical Psychology (Ph.D.)

#### College of Education

Department of Leadership and Counseling

Educational Leadership (Ed.D.)

## **College of Technology**

Technology (Ph.D)

## **Specialist's Degrees**

### **College of Education**

Department of Leadership and Counseling

Educational Leadership

Department of Special Education

Special Education

## **Master's Degrees**

### **Graduate School**

Individualized Studies

## **Interdisciplinary Programs**

Schools, Society and Violence

Social Science

Social Science and American Culture

Integrated Marketing Communications

## **College of Arts and Sciences**

Department of Art

Art Education

Fine Art (M.F.A.)

Studio Art

Department of Biology

Biology

Biology - General

Ecology and Organismal Biology

Ecosystem Biology

Molecular/Cellular Biology

Department of Chemistry

Chemistry

Department of Communication, Media and Theatre Arts

Arts Administration  
Communication  
Drama/Theatre for the Young (M.A., M.F.A.)  
Interpretation/Performance Studies  
Theatre Arts

Department of Computer Science

Computer Science  
Double M.A. Program with Hochschule Karlsruhe - Technik und Wirtschaft (University of Applied Sciences), Germany  
Language Technology

Department of Economics

Applied Economics  
Economics  
Health Economics  
International Economics and Development  
Trade and Development

Department of English Language and Literature

Children's Literature  
Creative Writing  
English Linguistics  
Language Technology  
Literature  
Professional Writing  
Technical Communication  
Written Communication

Department of Geography and Geology

Earth Science Education  
Geographic Information Systems  
Historic Preservation - Conservation and Technology  
Historic Preservation - General Studies  
Historic Preservation - Heritage Interpretation, Tourism and Administration  
Historic Preservation - Preservation Planning  
Urban and Regional Planning

Department of History and Philosophy

History  
Local History Program  
Social Science  
Social Science and American Culture

Department of Mathematics

Mathematics

Computer Science  
Mathematics Education  
Statistics

Department of Music and Dance

Music  
Music Education

Department of Physics and Astronomy

General Science  
Physics  
Physics Education

Department of Political Science

Public Administration (M.P.A.)

Department of Psychology

Clinical Behavioral Psychology  
General Clinical Psychology  
General Experimental Psychology

Department of Sociology, Anthropology and Criminology

Criminology and Criminal Justice  
Schools, Society and Violence  
Sociology

Applied Research Specialty  
Family Specialty

Women's and Gender Studies Program

Women's Studies

World Languages

Foreign Language - French  
Foreign Language - German  
Foreign Language - Spanish  
Language and International Trade  
Spanish Bilingual-Bicultural Education  
Teaching of English to Speakers of Other Languages (TESOL)

**College of Business**

Business Administration (General) (M.B.A.)

E-Business  
Enterprise Business Intelligence  
Entrepreneurship  
Finance

Human Resource Management  
International Business  
Non-Profit Management  
Supply Chain Management

Department of Accounting and Finance

Accounting (M.S.A.)  
Accounting (B.A. - M.S.A.)

Department of Computer Information Systems

Computer Information Systems (M.S.I.S.)

Department of Management

Human Resources Management and Organizational Development  
(M.S.-HR/OD)

## **College of Education**

Department of Leadership and Counseling

College Counseling  
Community Counseling  
Educational Leadership

Higher Education/General Administration  
Higher Education/Student Affairs  
K-12 Administration

School Counseling

Department of Special Education

Endorsements

Cognitive Impairment  
Emotional Impairment  
Hearing Impairment  
Physical Impairment and Other Health Impairment  
Visual Impairment

General Special Education  
Learning Disabilities  
Speech-Language Pathology

Department of Teacher Education

Common Learnings in Curriculum  
Curriculum and Instruction  
Early Childhood Education  
Educational Media and Technology  
Educational Psychology

Development and Personality  
Research and Evaluation

Elementary Education  
Middle Level Education  
Reading  
Schools, Society and Violence  
Secondary Education  
Social Foundations

## **College of Health and Human Services**

School of Health Sciences

Clinical Research Administration  
Combined Bachelors/Master's Degree in Occupational Therapy  
Human Nutrition  
Human Nutrition - Coordinated Program in Dietetics  
Occupational Therapy (M.O.T., M.S.)

School of Health Promotion and Human Performance

Exercise Physiology  
Health Education  
Physical Education

Interdisciplinary Adapted Physical Education  
Pedagogy  
Sports Management

School of Nursing

Nursing (M.S.N.)

School of Social Work

Social Work (M.S.W.)

Family and Children's Services  
Mental Health and Chemical Dependency  
Services to the Aging

## **College of Technology**

School of Engineering Technology

CAE  
Construction Management  
Engineering Management  
Interior Design  
Polymers and Coatings Technology  
Quality Management

School of Technology Studies

Apparel, Textiles and Merchandising  
Career, Technical and Workforce Education  
Hotel and Restaurant Management  
Technology Studies  
Master of Business Education

## **Advanced Graduate Certificates**

### **College of Arts and Sciences**

Department of History

State and Local History

### **College of Education**

Department of Leadership and Counseling

Post-Master's Certificate Program for School Counselor Licensure

### **College of Health and Human Services**

School of Nursing

Post-Master's Adult Nurse Practitioner

### **College of Technology**

School of Engineering Technology

Quality

## **Graduate Certificates**

### **Interdisciplinary Program**

Community Building  
Language Technology  
Management of Public Healthcare Systems  
Nonprofit Management  
Public Budget Management  
Public Land Planning and Development Management  
Public Personnel Management  
Public Policy Analysis  
Water Resources



## **College of Arts and Sciences**

Department of African American Studies

African American Studies

Department of Biology

Water Resources

Department of Computer Science

Artificial Intelligence  
Secondary Teacher Endorsement

Department of Economics

Public Budget Management  
Public Personnel Management  
Public Policy Analysis

Department of English Language and Literature

Teaching of Writing  
Technical Communication

Department of Geography and Geology

Geographic Information Systems (GIS) for Educators  
Geographic Information Systems (GIS) for Professionals  
Historic Preservation  
Public Land Planning and Development Management  
Water Resources

Department of Political Science

Community Building  
General Public Management  
Local Government Management  
Management of Public Healthcare Services  
Nonprofit Management  
Public Budget Management  
Public Land Planning and Development Management  
Public Personnel Management  
Public Policy Analysis

Department of Sociology, Anthropology, and Criminology

Community Building

Department of World Languages

Bilingual Endorsement Program for Certified Teachers  
Hispanic Language and Cultures  
German for Business Practices

Japanese for Business Practices  
Japanese Language Teaching  
Teaching English as a Second Language

## **College of Business**

Business Administration

Accounting - Financial and Operational Control  
Accounting -Taxation  
Computer Information Systems  
E-Business  
Entrepreneurship  
Finance  
Human Resource Management  
Marketing  
Management  
Organizational Development  
Supply Chain Management

Department of Accounting and Finance

Community Building  
Nonprofit Management  
Public Budget Management

Department of Computer Information Systems

Computer Information Systems

Department of Management

Community Building  
Nonprofit Management  
Public Personnel Management

Department of Marketing

Community Building  
Nonprofit Management

## **College of Education**

Department of Leadership and Counseling

Community College Leadership  
Helping Interventions in a Multicultural Society

Department of Teacher Education

Educational Media and Technology

## **College of Health and Human Services**

School of Health Promotion and Human Performance

Orthotics or Prosthetics  
Provisional Certification in Physical Education

School of Health Sciences

Clinical Research Administration  
Health Administration  
Public Budget Management

School of Nursing

Quality Improvement in Health Care  
Teaching in Health Care Systems

School of Social Work

Community Building  
Gerontology  
Gerontology - Specializing in Dementia  
Nonprofit Management

## **College of Technology**

School of Engineering Technology

Quality Management

School of Technology Studies

Information Security

# The Graduate Experience

Click on a link to be taken to the entry below.

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## Message from the Graduate School Dean

Graduate education is the rewarding process of exploring in-depth content that initially was presented to you during your baccalaureate program, or you may be exploring a new avenue of thought such as a master's in business or public administration. The purpose of graduate school is mastery: honing one's skills, researching and expanding knowledge about a specific field of study.

Think of education as an upside-down funnel. You start with a broad base by completing your bachelor's degree. A graduate certificate or master's degree narrows the funnel while refining content in a specialized fashion. Research becomes more focused. The funnel narrows again with an advanced-graduate certificate, specialist degree and doctoral-level work. You end knowing a lot about a very refined segment of your discipline. Breadth and depth of knowledge allows you to command improved employment opportunities and increased salary, but more importantly, joy in being a scholar who provides a vital contribution to your discipline. Contributions include pure or applied research, community engagement, or mastery of skills such as fine and performing arts. These are limited only by your imagination.

Most graduate students balance work, family life and community involvement with course work towards a degree completion. It's a juggling act. A team effort or network is needed. The EMU family of faculty and staff are prepared to mentor you through the journey. Let classmates be a part of the network as well. These friendships create a professional linkage that will remain resolute through your professional life. It saddens me to see students before and after class communicating on cell phone, blackberry, PDA, or laptop and not interacting with classmates who might hire them in the future or problem-solve a complicated project. Begin to create and nurture bonds toward a strong, long-term, support system.

The Graduate School staff is also a part of your network. We stand ready to help you throughout your educational journey. Feel free to contact us at 734.487.0042 or [graduate\\_school@emich.edu](mailto:graduate_school@emich.edu). See our web site at [www.emich.edu/graduate/](http://www.emich.edu/graduate/).

Sincerely,

Deb de Laski-Smith, Ph.D.  
Dean of the Graduate School (Interim)

# Admission

## General Procedures

Complete and submit to the Office of Admissions all required documents and materials. Official transcripts sent to EMU directly from the institution are required for all institutions (graduate and undergraduate) attended. The following priority deadlines have been established for receipt of all application materials required for admission to a graduate program:

Semester/Session	Domestic Students	International Students
Fall	Feb. 1	Feb. 1
Winter	Sept. 1	Sept. 1
Spring	Feb. 1	Feb 1
Summer	Feb. 1	Feb 1

Applications received after the priority deadline will be processed in the order received. Admission can not be guaranteed if materials are submitted after May 15. Newly admitted students may not change programs two weeks prior to the start of the semester.

Some programs have deadlines different from those stated above. Prospective applicants are advised to verify the program deadline with their academic department or its web site.

Applicants whose native language is not English must demonstrate English language proficiency by submitting official test scores. Required tests and minimum scores are available from the Office of Admissions or its website.

Individual departments may require higher scores than the Graduate School. Students who score below the minimum required by their department may be admitted conditionally and will be placed in ESL courses. These assigned ESL courses will be in addition to the student's departmental program of study. The ESL condition does not affect a student's enrollment or visa status.

## Doctoral Degree

### Admission Requirements

Requirements for admission to a doctoral degree program include the following:

- a. Submission of the completed Application for Graduate Admission, nonrefundable application fee and all official graduate and undergraduate transcripts to the Office of Admissions;
- b. The earned equivalent of a four-year, U.S. bachelor's degree or master's degree from an accredited college or university;
- c. A minimum cumulative graduate grade point average of 3.0 on a 4.0 scale in the master's degree or, for those departments admitting directly from the bachelor's degree, a minimum cumulative GPA of 2.75 on a 4.0 scale. Applicants who do not meet minimum admission requirements may be considered for conditional admission (see below). Some departments require higher minimum GPAs; see specific program requirements;
- d. Other departmental admission requirements, such as standardized test scores, letters of recommendation, personal statements, portfolios and interviews, as listed under the individual programs;
- e. A statement of financial responsibility for those who are or will be on an F-1 or J-1 visa; and
- f. Demonstration of English language proficiency, by applicants whose native language is not English (see International Applicants, below).

The application and all supporting documents become the property of Eastern Michigan University *and will not be returned to the applicant*. Applicants are not admitted to the Graduate School and/or an academic program until they have been notified in writing of acceptance by the Office of Admissions.

## **Transfer Credit**

Post-baccalaureate degrees earned at Eastern Michigan University or another accredited institution may be applied to a student's program of study at the discretion of the student's doctoral program. With the exception of post-baccalaureate degrees, no more than 12 hours of transfer credit may normally be applied to a doctoral program. Exceptions to this policy require the approval of the department head and Graduate School.

## **Academic Probation and Dismissal**

Students are placed on academic probation at the end of any semester in which their cumulative EMU grade point average in courses taken for graduate credit is below 3.0. Probationary students who do not return to good academic standing by the end of the next two enrollment periods are dismissed from the University and are so notified in writing.

Doctoral students may be dismissed from a program if program requirements are not met. Individual departments may specify additional grounds for dismissal. Students who are dismissed from a program while in good academic standing may still be eligible for another graduate program at EMU.

## **Time Limit for Completing Degree**

Doctoral students must complete all requirements for the degree within seven years of the date of first enrollment. An extension of the seven-year time limit is permitted only upon recommendation of the student's dissertation committee and by the doctoral program director with the approval of the department head and Graduate School.

## **Residency**

Although the Graduate School does not require a specific period of campus residency, it nevertheless encourages the efforts of graduate programs to create a cohesive intellectual community.

Some EMU graduate programs do enforce a residency requirement even if the Graduate School does not. Students should check with their advisers and program descriptions to determine specific expectations and requirements. These may vary from one program to the next and may include attendance at guest lectures or conferences, or even specific periods of enrollment on the main campus.

## **Faculty Participation in Doctoral Programs**

Criteria and procedures for assigning faculty to teach doctoral-level courses, to chair or serve on dissertation committees, and to perform other tasks associated with doctoral programs are defined by the degree-offering department, with specific assignments formally reviewed at regular intervals by the department head with faculty input.

## **Course Requirements**

Doctoral students are normally expected to complete the equivalent of 90 hours beyond the baccalaureate degree. Specific course requirements are established by the student's program adviser and are clearly stated on the student's program of study, which shall be filed in the Office of Records and Registration no later than the end of the student's first year of study (or after the student has completed 12 hours of course work).

## **Candidacy**

The designation "doctoral candidate" refers to a student who has completed all designated course work and has passed a qualifying examination.

## **Qualifying Examination**

Policies and procedures for the qualifying examination vary from one doctoral program to another (see department handbook). All such policies and procedures, and all subsequent changes made to them, must be recommended by the doctoral program director and approved by the department head and Graduate School.

## **Dissertation Committee**

The task of the dissertation committee is to support the candidate throughout the dissertation process and to provide both formative and summative evaluation. If the dissertation proposal is a part of the qualifying exam, then the dissertation committee will be selected prior to the exam. If the exam is not related to the dissertation, the committee is selected after candidacy is reached. The student will select a committee chair by mutual agreement and on the basis of shared research interests. A committee chair must be tenured or tenure-track, full-time faculty with a completed doctorate. Together, the student and chair then select with their consent from three to five additional members (normally faculty from within the degree-granting department). Dissertation committees must have at least four members (including the chair) and no more than six members. At least half of the committee members must be from the student's home department. At least one member must be from outside the student's home department and will serve the committee as the Graduate School representative. One committee member may be from outside the pool of graduate faculty (e.g., faculty from other institutions, alumni, community members, corporate partners, internship supervisor, emeritus faculty). All committee members should be experts in at least some aspect of the student's dissertation topic area. The final committee roster, and any subsequent changes in committee membership, must be formally approved by the committee chair, department head and Graduate School. Substantive committee decisions and votes to approve the defense and the dissertation require a consensus of all members.

A manual with guidelines and requirements for the dissertation is available from the Graduate School's website. Deadline dates for submission of the dissertation to the Graduate School are November 1 for December graduation, March 1 for April graduation, May 15 for June graduation and July 1 for August graduation.

## **Specialist's Degree**

Requirements for admission to a specialist's degree program include the following:

- a. Submission of the completed Application for Graduate Admission, nonrefundable application fee and all official graduate and undergraduate transcripts to the Office of Admissions;
- b. The earned equivalent of a four-year, U.S. bachelor's degree (and master's degree, if applicable) from an accredited college or university;
- c. A minimum cumulative graduate grade point average of 3.0 on a 4.0 scale in the master's degree or, for those departments admitting directly from the bachelor's degree, a minimum cumulative GPA of 2.75 on a 4.0 scale. Applicants who do not meet minimum admission requirements may be considered for conditional admission (see below). Some departments require higher minimum GPAs; see specific program requirements;
- d. Other departmental admission requirements, such as standardized test scores, letters of recommendation, personal statements, portfolios and interviews, as listed under the individual programs;
- e. A statement of financial responsibility for those who are or will be on an F-1 or J-1 visa; and

- f. Demonstration of English language proficiency, by applicants whose native language is not English (see International Applicants, below).

The application and all supporting documents become the property of Eastern Michigan University *and will not be returned to the applicant*. Applicants are not admitted to the Graduate School and/or an academic program until they have been notified in writing of acceptance by the Office of Admissions.

## Master's Degree

Requirements for admission to a master's degree program include the following:

- a. Submission of the completed Application for Graduate Admission, nonrefundable application fee and all official undergraduate and graduate transcripts to the Office of Admissions;
- b. The earned equivalent of a four-year U.S. bachelor's degree from an accredited college or university;
- c. A minimum cumulative undergraduate grade point average of 2.7 on a 4.0 scale, or 3.0 in the last half of the undergraduate program. Applicants who do not meet minimum admission requirements may be considered for conditional admission (see below). Some departments require higher minimum GPAs; see specific program requirements;
- d. Other departmental admission requirements, such as standardized test scores, letters of recommendation, personal statements, portfolios and interviews, as listed under the individual programs;
- e. A statement of financial responsibility for those who are or will be on an F-1 or J-1 visa; and
- f. Demonstration of English language proficiency, by applicants whose native language is not English (see International Applicants, below).

The application and all supporting documents become the property of Eastern Michigan University *and will not be returned to the applicant*. Applicants are not admitted to the Graduate School and/or an academic program until they have been notified in writing of acceptance by the Office of Admissions.

## Thesis

A number of departments offer the writing of a thesis, either as an option or as a requirement. A manual with guidelines and requirements for the master's thesis is available from the Graduate School's web site. A maximum of six thesis hours may be used on a degree program. Deadlines for thesis submission to the Graduate School are November 15 for December graduation; March 15 for April graduation; June 1 for spring graduation; and July 15 for summer graduation.

## Types of Admission

Degree admission requires that the applicant meet both Graduate School and departmental admission requirements as stated in the Graduate Catalog. Admission to graduate studies may be unconditional or conditional. There are four categories of conditional admission:

### Conditional Admission

- a. Condition 1: Curriculum Deficiencies. This conditional admission status applies to applicants who meet the Graduate School's admission requirements, but have curricular deficiencies or do not meet other departmental standards. Conditions to be met prior to gaining degree admission status are normally found on the Graduate Admissions Recommendation Form, sent to the student with the letter of admission.



- b. Condition 2: Senior Status. This status applies to applicants , who are in the process of completing an undergraduate degree at the time of application. A conditional senior is a student who will have COMPLETED his/her UG degree PRIOR TO the start of the GRADUATE program. This admission is valid for one semester only, and the condition is removed upon submission of an official degree-posted transcript to the Office of Admissions . A hold on the student account prevents future course enrollment until degree verification is completed.
- c. Condition 3: English as a Second Language (ESL). ESL status applies to applicants who are non-native speakers of English and whose scores on required language-proficiency tests were below the required minimum. Students admitted with the ESL condition must successfully complete ESL courses as assigned.
- d. Condition 4: Academic Deficiencies. This status is granted to degree program applicants who do not meet the minimum undergraduate GPA requirement of the Graduate School or the academic department, whichever is higher. Students must complete a minimum of nine to twelve graduate hours as specified by the department while maintaining good academic standing (3.0 GPA). These credits can be applied to a graduate degree program only upon the recommendation of the designated departmental adviser.

## Master's Degree in Individualized Studies

Adviser:

Deb deLaski-Smith, Ph.D.  
200 Boone Hall  
734.487.0042  
ddelaski@emich.edu

This 36-hour program provides a flexible and innovative graduate-level experience for students whose educational or professional goals are not met by other graduate degree programs at Eastern Michigan University.

With the assistance of two or more faculty members, applicants propose a program of study made up of a structured sequence of courses designed to meet a specific set of goals and objectives. Courses are taken from three (3) subject areas, and a thesis or capstone project completes the program of study. Interested applicants must meet with the Graduate School.

## Certificate Programs

The *graduate certificate* program is for students with a bachelor's degree from an accredited institution and an interest in specialized studies. The *advanced graduate certificate* is for students with graduate degrees, who wish to stay current in their field or gain expertise in a specialized area.

Requirements for admission to a graduate certificate or advanced graduate certificate program include the following:

- a. Submission of the completed Application for Graduate Admission, non-refundable application fee and all official undergraduate and graduate transcripts to the Office of Admissions;
- b. The earned equivalent of a four-year U.S. bachelor's degree from an accredited college or university;
- c. A minimum cumulative undergraduate grade point average of 2.7 on a 4.0 scale, or 3.0 in the last half of the undergraduate program;
- d. Other departmental admission requirements, such as standardized test scores, letters of recommendation, personal statements, portfolios and interviews, listed under the individual programs in this catalog;
- e. A statement of financial responsibility for those who are or will be on an F-1 or J-1 visa; and
- f. Demonstration of English language proficiency, by applicants whose native language is not English (see International Applicants, below).

The application and all supporting documents become the property of Eastern Michigan University and *will not be returned to the applicant*. Applicants are not admitted to the Graduate School and/or an academic program until they have been notified in writing of acceptance by the Office of Admissions.

## Types of Admission

Certificate admission requires that the applicant meet both Graduate School and departmental admission requirements as stated in the Graduate Catalog. Admission to a graduate certificate or advanced graduate certificate program may be unconditional or conditional. There are four categories of conditional admission.

- a. Condition 1: Curriculum deficiencies. This conditional admission status applies to applicants who meet the Graduate School's admission requirements, but have curricular deficiencies or do not meet other departmental standards. Conditions to be met prior to gaining certificate admission status are normally found on the Graduate Admissions Recommendation Form, sent to the student with the letter of admission.
- b. Condition 2: Senior Status. This status applies to applicants completing an undergraduate degree at the time of application. It is valid for one semester only, and is removed upon submission of an official degree-posted transcript to the Office of Admissions.
- c. Condition 3: English as a Second Language (ESL). ESL status applies to applicants who are non-native speakers of English and whose scores on required language-proficiency tests were below the required minimum. Students admitted with the ESL condition must successfully complete ESL courses as assigned.
- d. Condition 4: Academic Deficiencies. This status is granted to certificate program applicants who do not meet the minimum undergraduate GPA requirement of the Graduate School or the academic department, whichever is higher. Students must complete a minimum of 6 graduate hours as specified by the department while maintaining a good academic standing (3.0 GPA). These credits can be applied to a graduate certificate program only upon the recommendation of the designated departmental adviser.

## Certificate Requirements

Both graduate and advanced *graduate certificate* programs must consist of at least 12 graduate-level hours. One 400-level course may be used on the graduate certificate program. No 400-level courses may be used on the *advanced graduate certificate*. A minimum GPA of 3.0 must be achieved. In most cases, credits earned for certificate programs may apply to a graduate degree. All requirements for either certificate must be completed within three years of first enrollment.

## Non-Degree Admission

Non-degree admission status applies to students who do not wish to pursue a degree program, or who are prevented from doing so by the Graduate School or their academic department. Non-degree status may be appropriate in the following situations:

- a. *Professional Teacher Certification*. Certified teachers and other education professionals who do not intend to pursue a graduate-degree program enroll in this category. Applicants are seeking a second teaching certificate (see Teacher Certificate section of this catalog).\*
- b. *Extended Programs and Educational Outreach*. Applicants who enroll through Extended Programs and Educational Outreach are non-degree students. Students seeking a degree must formally apply and be admitted to a graduate program, and any courses taken through Extended Programs and Educational Outreach must be approved by the academic department and the Graduate School as noted on a program of study.
- c. *Graduate Non-degree*: This status is intended for applicants with a minimum undergraduate GPA of 2.7 who wish to enroll in graduate or undergraduate courses for self-enrichment purposes or to obtain other professional qualifications such as teaching endorsements. This admission status does not lead to a graduate degree. Applicants must provide a

bachelor's degree-posted transcript with at least 60 hours of course work and a 2.7 GPA. If 60 hours were not earned from the bachelor's-degree-granting institution, all undergraduate transcripts must be provided to the Office of Admissions.

- d. *Undergraduate Non-degree*: An applicant whose undergraduate grade point average was 2.0 to 2.7 may be admitted as an undergraduate student to enroll in undergraduate courses for which course prerequisites have been met. An Undergraduate Admission Application must be completed and submitted with fee to the Office of Admissions. See the Undergraduate Catalog for further details.

*Note:*

*\*Applicants seeking their first (provisional) teaching certificate will apply as undergraduate post-baccalaureate teacher certificate students. See the EMU Undergraduate Catalog for details.*

## Second Bachelor's Degree

Second bachelor's degree students are admitted as undergraduate students using the undergraduate admissions form. See the Undergraduate Catalog for details.

## Guest Students

The Michigan Intercollegiate Graduate Studies (MIGS) program offers graduate students at many Michigan institutions the opportunity to take advantage of graduate courses or experiences offered by Eastern Michigan University or other institutions in the state. Applicants complete the MIGS application form (available in the Graduate School, and on the Graduate School's website) and secure the approval of their adviser for the courses to be taken.

Currently enrolled students in a graduate program at other institutions who wish to take a graduate course at Eastern Michigan University for transfer to their home institution may do so by enrolling as non-degree students. Guest students in the College of Business must meet the standards for regular admission to business programs.

## International Applicants

An applicant is considered an international student if either of the following conditions exists:

- a. the applicant is not a U.S. citizen or permanent resident, or
- b. the applicant currently has or will require a visa to live, work or study in the United States.

Priority deadlines for receipt of all application materials for graduate degree and certificate programs are:

<b>Semester/Session</b>	<b>Deadline</b>
Fall	Feb. 15
Winter	Oct. 1
Spring	March 1
Summer	April 1

## English as a Second Language

English as a Second Language (ESL) courses are taught in the Department of World Languages. These courses carry academic credit and are calculated in the total GPA.

Admission status is based on the first English proficiency score that students send to the University. If a later test results in a higher score, it also should be sent to the Admissions Office. All scores must arrive two weeks before the first day of the term or semester.

Students will be given ESL conditional admission if they are admitted to the University, but score below the minimum scores required below:

Graduate TOEFL (PBT)	550
Graduate TOEFL (iBT)	79
Graduate MELAB	77
Graduate IELTS	6.5
Graduate PTE**	58

\* Some graduate programs require higher scores. Check with the program department or school.

\*\* The Pearson Test of English will become an option for language competency for graduate admission beginning Winter 2012. It may be used instead of score submission from TOEFL, IELTS or MELAB.

#### Intensive English Program (IEP)

International students who wish to improve their English before applying to a degree program may apply to the Intensive English Program in the Dept. of World Languages. The IEP offers full-time, rigorous ESL instruction for academic purposes. For more information, see [www.emich.edu/esl](http://www.emich.edu/esl).

Students under ESL conditional admission must take ESL classes in the first semester in which they are enrolled. Placement into ESL classes will be determined by the sub-scores achieved on the TOEFL, IELTS, MELAB, or PTE. (Contact the ESL Office for more information.)

Once placed into ESL courses students must complete each course with a grade of C or higher to advance to the next level. (Students who receive a grade of C- or lower for a course must repeat that course in the next semester in which they are enrolled.) Graduate students must continue ESL courses each semester until they finish the 500 level.

When students are at the 400 or 500 level of ESL, they may take other courses in the University at the same time.

When students have successfully completed the required ESL courses, their admission status is changed from conditional to regular.

Regular University academic probation and dismissal policies apply to students in ESL courses.

For information on the TOEFL or TWE, contact:

Educational Testing Service  
P.O. Box 6155  
Princeton, New Jersey 08541-6155  
Phone: 609.771.7100  
Web site: [www.toefl.org](http://www.toefl.org)

For information on the MELAB, contact:

English Language Institute  
University of Michigan  
3020 NUBS  
Ann Arbor, Michigan 48109  
Phone: 734.764.2416

## Academics

## **Registration and Grading**

### **Registration**

Students may not attend classes unless they are properly registered and have paid appropriate fees.

Students who have not enrolled for eight consecutive semesters (two years) must complete an Enrollment Change form from the Office of Admissions before registering. For some programs, departmental evaluation for readmission will be required.

Students who do not enroll during the semester in which they are admitted must update their admission by submitting an Enrollment Change form to the Office of Admissions before registration is permitted.

### **Orientation**

Orientations, scheduled at the beginning of new semesters, provide an overview of academic and campus life to new students. The graduate student and graduate assistant orientations cover such topics as Graduate School policies, ID cards, parking passes, e-mail accounts, financial aid, campus employment or assistantships, Career Services, public safety, library services, University computing, campus life, student health services, student affairs and international student information. They provide not only answers to your questions about the graduate experience, but also a place to get to know fellow students. Students are encouraged to attend.

For more information on orientations, visit the Graduate School website.

### **Program of Study**

A program of study, which is the list of courses you will take to complete your degree, is required for students in all degree and certificate programs. Students who fail to obtain a program of study approved by their adviser assume full responsibility for their registrations and for satisfying University, Graduate School and departmental program requirements. An approved program of study must be on file in the Office of Records and Registration, 303 Pierce Hall, in order to meet graduation requirements. Students should schedule an appointment with their academic/graduate adviser to set up a program of study as soon as possible within their first semester.

### **Undergraduate 400-Level Courses for Graduate Credit**

Some 400-level undergraduate courses are available for graduate credit. Students taking these courses are required to perform additional graduate-level work. Request forms are available in the Office of Records and Registration or the Graduate School and on their web sites. The form must be approved by the instructor and the student's adviser and then returned to the Graduate School at the beginning of the semester or term.

No more than nine hours of 400-level course work may be applied toward a graduate program. Such courses must appear on the student's program of study to be applied toward a degree. See the Graduate School web site for a list of pre-approved 400-level courses.

Independent study or special topics courses at the 400-level will not receive graduate credit. Students must use a 500-level independent study or special topics number.

### **Enrollment in Graduate Courses by Advanced Undergraduates**

An undergraduate student may enroll in 500-level courses with instructor/department and Graduate School approval if A) the student has completed 85 or more hours with a minimum GPA of 2.7, or B) if the student is a member in good standing of the

Honors College, has completed 70 or more hours, and has written permission from the Honors Director. No more than 15 graduate hours may be taken by an undergraduate student.

## **Auditing Courses**

Graduate students who wish to audit a course must register for audit status and pay the same tuition and fees as for academic credit enrollment. See the class schedule book for audit deadlines.

## **Pass/Fail Grading Option**

Graduate students may elect a pass/fail grading option when enrolling in undergraduate courses for enrichment that **will not** apply to a graduate program of study. Undergraduate curriculum deficiency requirements noted on a program of study may not be completed with a pass grade, unless approved by a graduate adviser.

Students should enroll in the course, then complete the Pass/Fail Application Form for Graduate Students submitting it to the Graduate School before the end of the first week of the semester. The form may be obtained from the Office of Records and Registration, or from the Graduate School or its web site. Students complete all course work and the faculty member submits a letter grade at the end of the semester to the Office of Records and Registration. The grade is converted to pass/fail. A student may cancel the pass/fail grading option at any time before the last day of classes for the semester just prior to exams, and the letter grade submitted by the faculty will post to the student's transcript.

## **Independent Study**

Independent study enables graduate students to pursue academic interests not addressed in conventional courses. A maximum of six hours of independent study may be used on a degree program. See the section on Course Limitations below.

## **Course Limitations**

No more than six hours in one of the following categories may be used to satisfy graduate degree requirements:

Special Topics: 590, 591, 592, 679, 680, 681

Independent Study: 597, 598, 599, 697, 698, 699

Seminar: 693, 694, 695, 696

Workshop: 594, 595, 596, 682, 683, 684, 685

Thesis/Final Project: 690, 691, 692, 790, 791, 792

A graduate program of study may not include more than 12 hours of special topics, independent study, seminar and workshop courses, *in combination*, and no more than nine hours of 400-level courses.

## **Attendance**

Students who find it necessary to be absent from classes in order to observe major religious holidays may arrange with their instructors to make up missed work, including examinations. If satisfactory arrangements cannot be made with the instructor, students may appeal to the department head.

Expectations regarding class attendance should be included in the printed syllabus distributed by the instructor at the beginning of the semester.

## **Withdrawal**

Graduate students are expected to follow University policy and procedures for withdrawal, both from individual classes and from the University. *Nonattendance and/or nonpayment of tuition do not constitute withdrawal or absolve a student of academic or financial responsibility.*

## **Withdrawal from Individual Classes - Fall/Winter Semesters**

- a. **First Eight Days.** Any change in the student's program occurring during this period may be processed through the registration system. Such changes are not recorded on the student's permanent record.
- b. **Ninth Day Through Tenth Week.** All student-initiated withdrawals are accepted automatically and recorded as W. Withdrawals initiated during this period will not result in tuition adjustment or reimbursement.
- c. **After the Tenth Week, Until the Beginning of the Final Exam Period.** Students must initiate a withdrawal request at the Graduate School. A W may be granted only if the student shows documentation for inability to complete the course (e.g., illness, family concerns, employment problems). Poor academic performance is not a valid reason for withdrawal and such requests will be denied.

Students considering withdrawal should consult with their instructor(s) and should not stop attending class before receiving official notification that their withdrawal has been approved. If a student stops attending class without officially withdrawing and does not take the final examination, University policy requires that the instructor assign a grade of E for the course. Students who believe they have received an unearned E grade and who wish to appeal must do so during the following semester; no later appeals will be heard.

International students holding F-1 or J-1 visas must also seek withdrawal approval from the Office of International Students. Students who are on financial aid or who hold scholarships, fellowships or graduate assistantships should consult the Graduate School before withdrawing from courses in order to fully understand the potential financial impact.

Policies governing the refund of tuition and fees are to be found in the Tuition and Fees section of this catalog. The class schedule book should be consulted for the calendar regulating withdrawals.

## **Withdrawal from All Classes**

Students may withdraw from all classes (withdraw from the University) before the first day of exams and receive a grade of W for all courses. This transaction is handled by the Office of Records and Registration. Such withdrawal may necessitate the updating of a student's admission status, and students in their first semester must notify their academic department and the Office of Admissions before re-enrolling.

## **Continuous Enrollment**

Once degree-requirement enrollment is complete, graduate students may elect continuous enrollment in either course number 639 for master's/specialist-level students or 767 for doctoral students. The one-credit enrollment will not apply toward degree completion, nor will there be assignments or a grade, but enrollment will assist in several ways, including:

- a. enabling access to University services such as the library as thesis/dissertation or final projects are being completed;
- b. delaying loan repayment while completing thesis, dissertation, or final project;
- c. providing liability coverage during internship or field placement. Some graduate programs, such as the doctoral program in Educational Leadership, may require continuous enrollment. Students may repeat enrollment as often as needed.

## **Course Numbering System**

- *400-500*: for advanced undergraduates and graduate students. Graduate students must obtain Graduate School approval before enrolling in 400-level courses. To earn graduate credit for a 400-level course, the student must do work at the graduate level. The 500-level courses are open to advanced undergraduates; see Enrollment in Graduate Courses by Advanced Undergraduates.
- *600*: for graduate students only.
- *700 and above*: for advanced-level graduate degree students.

## Grading System

Grade	Significance	Grade points per credit hour
A	Exceptionally high order	4.0
A-		3.7
B+		3.3
B	Distinctly above the average	3.0
B-		2.7
C+		2.3
C	Average	2.0
C-		1.7
E	Unsatisfactory (denoting failure)	0.0

*Note: Graduate students who earn a D grade will have an E grade posted on their transcript. Grades below a C- are considered a failure.*

Student academic records are kept on permanent file in the Office of Records and Registration. Transcripts may be ordered through the Cashier's Office, or on-line at [getmytranscript.com](http://getmytranscript.com).

## Credit/No Credit

The Graduate School awards credit/no credit only for theses, practicums, selected fieldwork, selected independent-study courses and special cases such as exhibitions in art. It is not a student's prerogative to elect a course for credit/no credit; only previously designated courses are available for such credit. To receive credit for a credit/no credit course, a student must perform in a manner equivalent to B work in the judgment of the faculty supervising the student's work.

## Repeating Courses

Students who meet the prerequisites and all other conditions for enrollment may repeat a course one time. A course may be repeated if the first grade is a B- or lower. The second grade will calculate into the grade point average. All grades earned will be retained on the student's permanent record, with repeats indicated. Courses are dropped or from which a student has withdrawn are not counted as attempted repeats for the purpose of this policy. Credit and grade point calculations for repeated courses are determined by the following rules:



**Credit Earned:**

1. Unless otherwise noted in the course description, credit for any repeated course (including all attempts at EMU and transfer credit granted) will apply only once toward all degree requirements.
2. The rules below do not apply to courses (such as Independent Studies) that can be taken for credit more than once. Multiple attempts in such courses are not considered repeats, and all grades received will be used in determining the student's grade point average.
3. A student who earned a passing grade in a course or who has previously received transfer credit for the course will lose the credit if he or she subsequently retakes the course and receives an E. If a student receives an Incomplete in the final attempt of a repeated course, the most recent earlier grade is the grade of record until the course work is completed and the I is replaced by the grade earned.

**Repeated Courses and Grade Point Average (GPA):**

1. Courses that are dropped or from which a student has withdrawn are not counted as attempts for purposes of this policy.
2. A course may be repeated once and only the last grade received will be used in determining the student's grade point average. As stated above, all course attempts with repeats indicated will remain on the permanent record, even if not used to determine the grade point average.

**I (Incomplete) Grades**

An I grade may be awarded when illness or other unavoidable extenuating circumstances prevent completion of a course, provided that academic performance for the completed portion of the course (50% or more) merits a grade of B or better. The instructor will provide the student and the department head with a rationale for the I grade and will specify the work required to remove the incomplete.

Unless an extension is granted, an I grade must be removed within 12 months. The 12-month limit may be extended only under unusual circumstances upon the written recommendation of the instructor and with the approval of the Graduate School. The initiative for conversion of an I to a letter grade rests with the student. No extensions will be granted after three years, after which time the I becomes a permanent part of the student's academic record.

Incompletes received in thesis, dissertation or capstone courses are not governed by these regulations.

**Grade Changes**

When a letter grade (excluding I for incomplete grade or IP for in progress grade) is posted to a student's permanent record (either electronic or hard copy), it will be considered final unless an error was made in assigning the grade. Permitting a student to submit missing work or extra credit to improve a grade after the grade has been posted is not acceptable.

If an instructor error is identified, the instructor must file a grade change form, explaining the error. This form requires the approval of the department head. The appropriate dean will review and approve grade changes to ensure consistency with academic policies. All changes in letter grades (except from an I or IP grade) will require the signature of the dean of the college. The grade change will then be submitted to and processed by personnel in the Office of Records and Registration. One year after the end of the relevant semester all grade changes from I or IP will require the permission of the Graduate School.

It is the responsibility of the student to call the instructor's attention to a possible grading error in a timely manner, but not more than 12 months after the questionable grade is posted. Three years following the close of any term of enrollment, the student's transcript will be considered to be the final indisputable record of academic achievement. Specifically, at the end of three years, grades are considered final, and no changes will be made to transcripts (e.g., no term or individual withdrawals, no grade

omissions, no recalculated grades based on mathematical or clerical error, no incomplete removals). This rule does not apply to master's specialist and doctoral field-based research, internships, thesis and dissertation hours.

## **Academic Load**

Eight hours of graduate credit for the semester is the standard full-time load. International students enrolled in less than eight credit hours fall and winter semesters must have a Reduced Load form processed through the Office of International Students. This may be used only once during a graduate program unless the student is a graduate assistant.

Graduate students may not enroll in more than 15 hours for fall or winter, or nine hours for spring or summer without prior permission from the Graduate School. Students should complete a petition co-signed by their faculty advisers. If students seeking professional teaching certificates or additional endorsements need to take more than the maximum allowable number of credit hours, they may do so by contacting the Office of Records and Registration, 303 Pierce Hall.

Students with fall and/or winter graduate assistantships must enroll in at least six graduate hours per semester. During summer session, graduate assistants must enroll in at least one hour during the term (s) of employment.

By federal regulation, students must be enrolled in four hours per semester to be considered half-time. For Title IV programs, veterans' benefits, and loan deferments, the following requirements must be met:

- maximum load: 15 hours per semester
- full-time student: 8 hours per semester
- half-time student: 4 hours per semester

A doctoral student at the end of the program may submit to the Graduate School a Low Enrollment form to be classified as a full-time student when enrolled in fewer than four credits for loan deferment, SEVIS requirements, liability coverage, and access to library and campus services.

## **Residency Requirement**

Although the Graduate School does not require a specific period of campus residency, it nevertheless supports the efforts of graduate programs to create a cohesive intellectual community.

Note, however, that some EMU graduate programs do enforce a residency requirement even if the Graduate School does not. Students should check with their advisers and program descriptions to determine specific expectations and requirements. These may vary from one program to the next and may include attendance at guest lectures or conferences, or even specific periods of enrollment on the main campus.

## **Time Limitations**

Students have seven years to complete the requirements for the doctoral degree from the date of first enrollment at EMU (see the section on doctoral programs). Specialist's degree requirements must be completed within six years by those entering with master's degrees or eight years by those entering with bachelor's degrees. Master's degree requirements must be completed within six years of first enrollment. Graduate and advanced graduate certificate requirements must be completed within three years of first enrollment.

## Validation of Credit

Credit that is older than six years but less than 10 years old may be counted toward graduation requirements **only if it is validated by the student's department/school**. Students may validate up to nine hours of out-of-date credit for use on a degree program by taking an examination covering course content. Such validation is contingent on relevant program requirements, adviser recommendation and Graduate School approval. Forms to request such credit by examination are available in the Office of Records and Registration and the Graduate School or on its website, and such requests must be approved by the instructor, department head and adviser before making payment of the fee in the Cashier's Office. Complete requirements are listed on the back of the form.

Files of enrolled students are retained for seven years from the time of last attendance. After that time, only the Eastern Michigan University transcript (permanent record card) is retained. Course work taken during and after winter 1995 is kept in electronic format only.

## Transfer of Credit to Degree Programs

Applicable graduate course credit may be accepted from other accredited graduate institutions to be included on a graduate degree program. The allowable maximum for transfer credit to a specialist's degree is six hours; 12 hours toward a master's degree; and three hours for a graduate or advanced graduate certificate. For master of fine arts and doctoral programs, transfer credit will be determined by the department, subject to the approval of the department head and the Graduate School. Transfer credit must:

- a. be applicable to the degree program;
- b. have a grade of B or higher (grades of "pass," "satisfactory," or "credit" cannot be transferred);
- c. not be out-of-date per the degree time limitation;
- d. be recommended by the adviser and approved by the Graduate School;
- e. be documented as graduate credit on an official graduate transcript from an accredited institution.

Some departments have a more restrictive transfer-credit policy; refer to program information in this catalog for details.

Up to six hours of appropriate credit from a previous master's degree may be applied to a new degree if the new degree is in a discipline different from the previous master's degree.

Transfer credit is evaluated prior to the graduation degree audit. Official transcripts for courses planned to be transferred to Eastern Michigan University should be on file in the Office of Records and Registration at least one month prior to the end of the semester in which the student plans to graduate. Such credits are recorded on the student's record at the time of approval.

Credit earned while on non-degree status does not automatically apply to a degree program. Acceptance depends upon admission to a degree program and the recommendation of the adviser. Courses are listed on the program of study. Students must complete a minimum of 10 hours after admission to the degree program from which they intend to graduate.

Transfer credit request forms are available in the Office of Records and Registration and the Graduate School or on its website.

## Academic Probation and Dismissal

Students are placed on academic probation at the end of any semester in which their cumulative EMU grade point average in courses taken for graduate credit is below 3.0. Students must complete six graduate hours at EMU before being subject to academic probation. Students are notified in writing each semester of their status, and enrollment is permitted only on a semester-by-semester basis until the probation is removed. Probationary students who do not return to good standing by the end of the next

two enrollment periods (spring and summer sessions equal one enrollment period) are dismissed from the University and are so notified in writing.

Students whose cumulative honor points are 15 or more below those required for a B in all completed graduate-level courses are subject to dismissal at any time. For instance, a student with 20 completed graduate hours must have 60 honor points to maintain a B; if the student has less than 45 honor points, the student is subject to dismissal.

## **Dismissal Appeals Process**

After dismissal, students may appeal to the Graduate School for readmission by submitting a letter to the dean's office. This letter should state the cause(s) of the student's academic problems, changes in the student's situation that may rectify those problems and a proposed plan of action to ensure success in graduate studies.

Upon receipt of the letter, the Graduate School will initiate the appeals process with the Academic Dismissal Appeals Board of the Graduate Council. A review by the board may not be considered for dismissed students whose GPA is less than 2.0 unless extreme circumstances can be documented.

The Graduate School will notify the chair of the Academic Dismissal Appeals Board and a hearing will be held within 30 days of receipt of the student's letter. The appeals hearing will adhere to the following guidelines:

- a. A detailed record shall be kept of the hearing, preferably a tape recording;
- b. The student is allowed an adviser who will be a member of the University community (faculty, full-time staff or student).
- c. The hearing shall be open unless the student requests a closed hearing;
- d. The student may call witnesses and Board members may question them;
- e. All deliberations of the Board will be in executive session.

The Academic Dismissal Appeals Board consists of a chair and four members, who are selected by the Graduate School. All Board members are also members of the Graduate Council; two Board members are faculty; and two are student members of the Graduate Council. The chair does not have voting rights except in the case of a split decision.

An additional appeal will be considered only if new evidence is presented.

## **Final Project/Graduation**

### **Final Project/Experience**

Each graduate program has a different culminating or capstone experience required for graduation. Some require a thesis or dissertation; others require a special project or internship; while others require students to pass a final exam. Your graduate adviser will explain what you need to do to finish your program. See the Graduate School website for the Thesis and Dissertation Manuals, all forms, and information about research and human subject approval.

### **Graduate Research Fair**

Once nearing completion of a culminating or capstone experience, students are highly encouraged to share outcomes or findings with others on campus. The Graduate School and the Division of Academic Affairs annually sponsor a Graduate Research Fair in March to showcase student work. Many students use this forum to practice their oral or poster presentation skills before presenting at local, state or national conferences. It's very exciting to see the variety and breadth of work completed by EMU graduate students. Nomination forms to participate in the event are due to department heads in January. Students graduating in

December are encouraged to return and share their research along with those who anticipate program completion in April, June or August.

## **Graduation Requirements**

It is the student's responsibility to see that all requirements for graduation have been met. Candidates for graduation must submit an application, available in the Office of Records and Registration, the Graduate School or in the class schedule book, on or before the deadlines listed in the class schedule book each semester. Deadlines are generally within the first two weeks of the semester (earlier in spring/summer sessions). A non-refundable fee (\$90) is due with the application and must be submitted to the Cashier's Office. Students who file for graduation but fail to complete their degree requirements in a timely manner, must notify the Office of Records and Registration in writing and submit a new graduation application for a subsequent semester (no additional fee is required).

Failure to apply for graduation will result in a delay in graduation date (receipt of the degree).

Students should expect to receive their degree-verification letter within three to four weeks after the close of the semester in which their degree is conferred. Diplomas and a transcript are mailed approximately eight to 10 weeks after the close of the semester in which the degree is conferred.

Students must maintain a 3.0 cumulative GPA in all graduate-level courses taken at EMU and in their program of study to remain in good academic standing and be eligible for graduation. Students do not need to be registered for classes during the semester of graduation.

## **Commencement**

Once an application for graduation has been processed, the Office of Records and Registration will send information about commencement tickets, event logistics and details for ordering cap and gown. If course work is finished during the spring or summer terms, one's name will appear in the December commencement program and one may return to participate in the event. Students may request to participate in the April ceremony only if they have six or fewer hours to be completed in spring and summer (including any I grades). If permission is granted, the Office of Records and Registration will send commencement information. Names will not be in the program but students can walk across the stage and celebrate with family and friends.

Done with one graduate program, on to another one? Many EMU graduate students return to complete a second master's degree, a graduate certificate program, a specialist degree program or a doctoral program. Once a degree is conferred, the student number becomes inactive. A new admissions application, another fee, a new personal statement and any other admission materials the new program may require must be submitted to the Office of Admissions. Once an application has been reviewed by the new department and has been processed by the Office of Admissions, the old student number will be activated and course registration begins the cycle anew.

See the Graduate School website for other helpful links.

## **Financial Assistance**

Various types of financial aid are available to graduate students, including assistantships, fellowships, scholarships, work-study jobs, and loans. Some of these programs are administered by the Office of Financial Aid and others by the Graduate School.

## **Graduate Assistantships**

Graduate assistantships are administered by the Graduate School. Assistantships are very competitive. They provide both financial support (tuition scholarships and stipend) and experiential learning for degree-admitted students. Graduate assistantships are normally available for up to two years (four enrollment periods), subject to the recommendation of an academic department and approval by the Graduate School. Graduate assistants (G.A.'s) must maintain a minimum 3.0 cumulative GPA and make satisfactory progress toward degree completion.

Three categories of assistantship are available: departmental (appointed by an academic department); underrepresented populations (approved by the Graduate School); and need-based work-study (approved by the Graduate School and the Office of Financial Aid). International students are eligible only for departmental G.A. positions.

To be eligible, applicants must:

- a. Be fully or conditionally admitted (conditions 1, 2 or 3) to an academic degree program;
- b. Have achieved a cumulative undergraduate GPA equal to the average of students already admitted to the college's degree programs (usually 3.0);
- c. (U.S. citizens only) Complete the required financial aid forms, including the Free Application for Federal Student Aid (FAFSA), through the Office of Financial Aid. The FAFSA must be submitted by February 15 for consideration for the following fall semester. Receipt of a graduate assistantship will affect other financial aid awards.

Full-time graduate assistantships provide the following benefits:

- a. Up to 18 credit hours of tuition per fiscal year. (Tuition benefits are prorated for part-time assistantships and for G.A.'s beginning their appointments after the start of the semester);
- b. Payment of the registration, general University, technology and student union fees;
- c. Parking permit for selected lots, library privileges and a 10 percent discount on purchases at the University bookstore;
- d. Variable stipends based on department/school of hire; see Graduate School web site;
- e. Valuable experiential learning opportunities.

Students should contact their academic department/school for information on G.A. positions. The Graduate School can provide more information on the G.A. program and provide copies of the policies governing the program. The information is also online.

Graduate assistantships for underrepresented populations are available to highly qualified students. The University encourages the application and enrollment of promising graduate students from underrepresented populations based on the academic discipline, and recognizes the need for well-trained scholars. For more information on this program, contact the Graduate School.

G.A. positions may be offered to international students holding F-1 or J-1 visas or other visa-type holders with valid work permits.

Applications are available in the Graduate School or on its website.

## **University Fellowships**

Fellowships are a distinction of honor awarded to select graduate students on the basis of academic merit. The fellowship ranges from \$500-\$4,000. Fellows receiving \$3,000 or more must enroll for at least eight graduate credits per semester; fellows receiving \$2,000 or less must enroll for at least four graduate credits per semester.

To be considered for a graduate fellowship, new graduate students must present a minimum 3.6 cumulative undergraduate GPA; current graduate students must present a minimum 3.6 cumulative graduate GPA.

Graduate fellows (1) must hold degree admission to an academic program leading to a master's, master of fine arts, or specialist's degree; (2) must maintain a cumulative GPA of 3.6 while holding the fellowship; (3) may apply for one additional academic year if they continue to achieve a 3.6 cumulative graduate GPA.

Applications are available in the Graduate School or on its website.

## Need-Based Aid

### Application

To apply for need-based aid, graduate students must file the Free Application for Federal Student Aid (FAFSA). Based on information reported on the FAFSA, the federal government calculates the Expected Family Contribution (a number that equates to the student's ability to pay for college). The Expected Family Contribution is subtracted from EMU's cost of education. Need is the difference between the student's ability to pay and the cost of education.

The FAFSA should be filed in January of each year, prior to fall enrollment. Graduate students who are admitted to a graduate degree program will be notified of their eligibility for financial aid once EMU receives their application results from the FAFSA processor. Need-based aid is automatically awarded for fall and winter semesters. Students who need financial aid for spring and summer sessions must file an additional application, available in the Office of Financial Aid on its web site beginning February 15 each year.

To be eligible for federal and state need-based aid, a student must:

- a. Be accepted by the Graduate School as either a regular or conditionally admitted student in a degree program. Students in this category may borrow up to the cost of their education (not to exceed \$18,500) annually, in any combination of subsidized and unsubsidized Stafford Loans.
- b. Maintain a cumulative graduate GPA of 3.0, complete 75 percent of classes attempted, and complete the graduate degree within 150 percent of the program's published minimum credit hours.

### Federal and State Aid

Federal and state work-study is awarded to eligible students who demonstrate need. Students may work up to 20 hours weekly on campus or at participating off-campus agencies during the fall and winter semesters. Hourly wages are set by the employer. Full-time work-study positions are also available for students who wish to earn during the spring and/or summer sessions, if the students will be enrolled in the following fall semester. A FAFSA for the upcoming year is required along with the full-time College Work Study application available in April each year.

Perkins Loans are need-based, long-term educational loans of up to \$6,000 per year. Borrowers must begin repayment nine months after graduating, leaving school or dropping below half-time status. Students have 10 years to repay the loans. Repayment schedules depend on the amount borrowed. Repayment terms may be arranged with the Student Loan Accounting Office before leaving EMU.

Subsidized and unsubsidized Stafford Loans are student loans which carry low fixed interest rates. Graduate students may borrow the cost of education (not to exceed \$20,500 annually). The maximum loan amount per semester depends on the cost of attendance and other financial aid. Students may be awarded less than the yearly maximum if they receive other financial assistance that is used to cover a portion of the cost of attendance.

The cumulative loan limit is \$138,500 for graduate or professional students (only \$65,500 of this amount may be in subsidized loans). Interest on the subsidized Stafford Loan does not accrue until the student graduates, leaves school or drops below half-time status. Interest on the unsubsidized Stafford Loan accrues from the time the loan is disbursed until it is paid in full. If the student allows the interest to accumulate, it will be capitalized - that is, the interest will be added to the principal amount of the loan and will increase the amount that needs to be repaid.

### Work-Study Graduate Assistantships

A limited number of work-study graduate assistantships are funded through the College Work-Study Program. Interested students should contact the Graduate School. Students must submit G.A. application material as well as the FAFSA by February 15 for the following fall semester.

## Other Aid

Student employment listings are maintained by the Student Employment Office. No demonstration of financial need is necessary. On-campus employment is limited to 29 hours per week.

**Off-campus employment** is also listed in the Student Employment Office, as well as with the Job Location and Development Office.

Summer employment opportunities are available with campus, resort, recreational, business, industrial and governmental agencies. Listings for such positions begin during the winter semester in the Student Employment Office.

**University Short-Term Loans** are available for direct and indirect educational expenses from the Student Loan Accounting Office. An applicant must be enrolled at EMU and have a minimum 3.0 GPA at the time funds are released, have no past-due obligations to EMU, have repaid previous loans satisfactorily and demonstrate sufficient means to repay the loan by the due date.

**Employer Tuition Reimbursement Plans** are offered by many companies. Graduate students are encouraged to investigate their employer's policy.

## Awards and Scholarships

Guidelines and application forms for the following awards are available in the Graduate School or on its web site:

- a. The Graduate Deans' Award for Research Excellence is a \$250 cash award made in the fall and winter semesters to reward excellence in ongoing or completed research projects.
- b. The Barton Scholarship is a one-time competitive award to EMU graduating seniors of up to \$4,000 for graduate study at EMU or UM. Applications are considered for the fall and winter semesters.
- c. The Anton Brenner Scholarship is a one-time award of \$500 to be applied to tuition and fees. Applications are considered by the Graduate School for each fall semester.
- d. The Undergraduate Symposium Fellowship is a one-time award of \$1,000 to students who participated in the annual Eastern Michigan University Undergraduate Symposium and wish to continue their education as graduate students at EMU. Applications are submitted to the College of Arts and Sciences.

For additional information on scholarships available to graduate students or general financial aid information, contact the Office of Financial Aid or its web site: [www.emich.edu/finaid/](http://www.emich.edu/finaid/)

## Student Budgets - Full Time

In-state and Ohio annual student budgets

### *Graduate/Specialist In-State (On/Off Campus)*

*Tuition and fees	\$6,676
Room and board	\$8,709
Books and supplies	\$900
Transportation	\$2,000
Miscellaneous	\$1,200
Registration fee	\$80
Loan fees	\$0
Total	\$19,565



*Doctoral In-State (On/Off Campus)*

*Tuition and fees	\$7,604
Room and board	\$8,709
Books and supplies	\$900
Transportation	\$2,000
Miscellaneous	\$1,200
Registration fee	\$80
Loan fees	\$0
Total	\$20,493

Out-of-state annual student budgets

*Graduate/Specialist In-State (On/Off Campus)*

*Tuition and fees	\$12,644
Room and board	\$8,709
Books and supplies	\$900
Transportation	\$2,600
Miscellaneous	\$1,200
Registration fee	\$80
Loan fees	\$0
Total	\$26,133

*Doctoral In-State (On/Off Campus)*

*Tuition and fees	\$14,180
Room and board	\$8,709
Books and supplies	\$900
Transportation	\$2,600
Miscellaneous	\$1,200
Registration fee	\$80
Loan fees	\$0
Total	\$27,669

*Note:*

*\*Tuition and fees are based on 16 credit hours.*

## **Financial Information**

### **Tuition and Fees**

### **Fees Subject to Revision**

All University fees and assessments are subject to change by action of the Board of Regents. For the most recent tuition information, visit our web site at [www.emich.edu/controller/sbs/tutfee.htm](http://www.emich.edu/controller/sbs/tutfee.htm).

## **Application Fee**

A one-time, non-refundable \$30 online or \$35 paper application fee is charged to each applicant to the Graduate School. Applications for additional degrees or certificates are subject to additional non-refundable fees.

## **Graduation Fee**

A non-refundable graduation fee of \$95 is charged to each student applying for a degree or a graduate or advanced graduate certificate.

Graduation fees for teaching certificates are set by the undergraduate division and appear in the Undergraduate Catalog.

## **Tuition Schedule**

Tuition is assessed for all credit hours for which a student is registered. Undergraduate tuition is assessed for all 100- to 400-level courses. Graduate tuition is assessed for all 500- to 900-level courses.

Tuition rates per credit hour are subject to review at each June Board of Regents meeting and may increase.

2008-2009 Michigan and Ohio resident rates, per credit hour:

Undergraduate courses, up to 499:	\$229.50
Graduate courses, lower level (500-699):	\$401.50
Doctoral assessment, upper level (700-999):	\$462.00

2008-2009 non-resident rates, per credit hour:

Undergraduate courses, up to 499:	\$676.00
Graduate courses, lower level (500-699):	\$791.50
Doctoral assessment, upper level (700-999):	\$892.00

A non-refundable registration fee of \$43 per semester, a general fee of \$22.60 per credit hour, a student union fee of \$3.25 and a technology fee of \$10.75 per credit hour are also assessed. Additional information is available at [www.emich.edu](http://www.emich.edu). Graduate classes in some programs have an additional per-credit-hour program fee.

## **Decrease in Academic Load:**

For the fall and winter semester, a 100 percent tuition credit, less the \$12 program adjustment fee, will be processed for those students who decrease their academic load through the eighth day of classes. For the spring and summer sessions, a 100 percent credit adjustment, less the \$12 program adjustment fee, will be made during the first four days of classes. Actual dates are printed in the class schedule for each semester and session and also online.

No credit adjustments will be made after the above stipulated dates. If a student feels that individual circumstances warrant exceptions from the credit adjustment or the University withdrawal adjustment policy:

1. Obtain a Tuition Appeal Application from the Students Business Services Office in 203 Pierce Hall. Complete and return the application along with an explanation of the extraordinary circumstances involved with supporting documentation of those circumstances. An approval or denial will be issued in writing by return mail.
2. Appeal in writing to the director of Student Business Services at the address above. Be sure to include any additional pertinent information with your written appeal.

## Official Registration Day

For purposes of payment of registration fees and tuition assessment, the official registration day for each student is the day the student completes initial registration for the semester or session.

## Qualification for Michigan Residence

To be eligible for the resident tuition rate, students must demonstrate that they are already Michigan/Ohio residents or are coming to the University **for reasons primarily other than to attend the University**. The following policies will be used to determine residency:

- a. *Minors*: The residence of a student under 18 years of age follows that of the student's parents or legal guardians. If the parents or legal guardians meet the criteria under *f* below, Criteria for Determining Intent, the student is considered a resident for tuition purposes.
- b. *Non-dependent Students*: A student 18 years of age or older must meet the criteria in *f* below, Criteria for Determining Intent.
- c. *Spouse of Eligible Person*: The residence of a student otherwise classified as a nonresident for tuition purposes will follow that of the student's spouse, if the spouse is eligible for classification as a resident for tuition purposes. This applies only to U.S. citizens or to aliens admitted for permanent residence in the United States who have obtained a permanent or diplomatic visa.
- d. *Aliens*: A noncitizen will be eligible for classification as a resident for tuition purposes only if the student is lawfully admitted for permanent residence in the United States, has received a permanent or diplomatic visa, and meets the criteria in *f* below, Criteria for Determining Intent, The University provides two installment payment plans for fall and winter.
- e. *Migrants*: Michigan migrants will be classified as residents for tuition purposes if they or their parents or legal guardians were employed in Michigan for a least two months during each of three of the preceding five years. Verification of employment as migrant workers should be secured from the Michigan Farm Labor and Rural Manpower Services Office. Other appropriate evidence also may be used by migrant workers to establish their status.
- f. *Criteria for Determining Intent*: Students from outside the state and to whom the above policies are not applicable shall be considered nonresident for tuition purposes unless it can be determined that their primary purpose in coming to Michigan is to establish residency in the state, rather than to attend a university. For the purpose of determining intent in such cases, the following criteria are considered, no one of which should be considered controlling:
  1. High school attendance in Michigan
  2. Reliance upon Michigan sources for financial support
  3. Residence in Michigan of family, legal guardian, or other relatives or persons legally responsible for the student
  4. Former residence in Michigan and maintenance of significant connections therein while absent
  5. Continuous presence in Michigan during periods when not enrolled as a student

6. Long-term military commitments in Michigan
  7. Traditional considerations such as voter registration, ownership of real estate, source of driver and vehicle licenses, taxpayer status, and self-supporting or dependency on others, whether residents of Michigan or elsewhere
- g. *Determination of Residence:* Residence will be determined at the time of initial admission to the University. Questions of residency status should be raised with the Student Accounting Office. If circumstances change to the extent that a student is no longer considered a resident for tuition purposes, the student will be classified as a nonresident after six months.

*Note: It is the responsibility of students, prior to registration, to raise questions in the Student Business Services Office regarding their right to be registered as resident students. The administration is authorized to establish procedures and delegate authority for determining the domicile of students for tuition purposes and to make exceptions within the spirit of this policy.*

## **Tuition Reciprocity Agreement with Ohio**

Ohio residents may attend Eastern Michigan University at Michigan resident tuition rates, and Michigan residents of Monroe County may attend the University of Toledo at Ohio resident tuition rates. This reciprocity agreement by the Michigan State Board of Education and the Ohio Board of Regents became effective fall 1978 and is periodically re-evaluated.

## **Payment of Tuition**

1. Log into your my.emich.edu e-mail account, or your forwarded my.emich mail. (If you use a forwarded e-mail address, keep it current.) Each month, you will receive an e-mail notifying you that your bill has been posted. It is the student's responsibility to check e-mail monthly.
2. You will need your E-ID and Personal Identification Number (PIN) to access Ebill, EPay and Payment Plans. At my.emich.edu on the bottom of the first page are instructions to access your E-ID and PIN.
3. View your bill and click on Current Account Activity to view transactions that are posted after the bill is issued. You can also go to your profile and add an alternate e-mail address.
4. Pay your bill with your checking account routing number (ACH), Master Card, American Express or Discover Card via PayPath. You may pay your bill in person or by mail at 201 Pierce Hall, Ypsilanti MI, 48197. Please write your E-ID on your check payment.
5. Allow access to parents or other parties by setting them up as authorized users. All you need is their e-mail address. This will allow them to access your bill, pay your bill, and set up a payment plan. An e-mail is automatically sent to the authorized user with sign-in details. The authorized user will create a new password once in the site.
6. The University offers a payment plan to help manage the cost of education. The cost of the plan is \$29 and is added to your installment payments. The plan automatically adjusts as payments or charges are added to your account. To enroll, simply log into the Ebill site at: <https://ebill.emich.edu>. Click on Payment Plan, at the bottom of the Ebill site, and follow the four simple steps to enroll in the plan. We hope you enjoy this added convenience and we welcome any questions you may have.
7. If you have any questions about the system, please send your e-mail to [ebill@emich.edu](mailto:ebill@emich.edu).

EMU's optional installment payment plan is offered in the fall and winter semester only and is applicable to tuition and room and board. A minimum of 50 percent must be paid initially and the remainder by the eighth week of the semester. EMU's optional installment payment plan is offered in the fall and winter semesters only and is applicable to tuition and room and board. A minimum of 50 percent must be paid initially and the remainder by the eighth week of the semester. An installment service fee of \$29 is assessed with the first installment billing and a late payment fee of \$36 per month is assessed on past-due balances.

If a student's account is past due for a current semester, enrollment, University housing and other University services (such as the release of transcripts) are subject to suspension until the account is brought into current status. Payment of assessments for a current semester does not relieve the student of obligation for payment of any balance from a prior semester.

## **Late Registration Fee**

A late registration fee of \$120 is charged to those students who do not complete registration before the official first day of classes each semester. Checks returned by a bank constitute late registration, resulting in a fee charge. Students enrolling for a course after the mid-point of the semester will be charged an additional \$120 late fee.

## **Cancellation of Registration**

Registered students who decide before classes begin not to return to EMU must complete a Cancellation of Registration form or send a letter to the Office of Records and Registration. Any housing contracts must also be canceled in the Housing Office in order to cancel tuition and room/board assessments.

## **Withdrawal from the University**

Complete withdrawal from the University must be requested in writing through the Office of Records and Registration. Any tuition/fee adjustment responding to a written request is based on the postmark date of the request. The policy for withdrawal and tuition adjustment from the University is:

- a. **First Eight Days (four days for spring/summer):** Students receive a 100 percent tuition credit adjustment, less a \$43 non-refundable registration fee. No grades will be posted.
- b. **Ninth through 19th Day (fifth through 10th day for spring/summer):** Students receive a 50 percent tuition credit adjustment, less a \$43 non-refundable registration fee. Grades of W will be posted.
- c. **Twentieth through 38th Day (11th through 19th day for spring/summer):** Students receive a 25 percent tuition credit adjustment, less a \$43 non-refundable registration fee. Grades of W will be posted.
- d. **Thirty-ninth Day (20th day for spring/summer) through the First Day of Final Examinations:** Students receive no tuition credit adjustment. Grades of W will be posted.
- e. **After the First Day of the Final Examination Period:** No withdrawal will take place.

## **Tuition Credit for Reduced Load**

A tuition credit adjustment of 100 percent minus the \$43 non-refundable registration fee will be made for students who decrease their academic load prior to the eighth business day of the fall/winter semesters (fourth day for spring/summer). These dates are published each semester online, and in the class schedule book. No credit adjustments will be made after the above dates.

## **Suspended or Dismissed Students**

A student who is suspended or dismissed from the University during a semester will receive a tuition credit adjustment based on the withdrawal schedule above. Any tuition/fee adjustment will be based on the date the appropriate University administrator notified the student of suspension or dismissal. The date used for housing and food service adjustments will be the day service to the student is terminated.

## **Applied Music Fee**

Students accepted for private music lessons will be charged an applied music fee. Consult the Music and Dance Department for current rates. Fees are not refundable after the first lesson.

## **Responsibility for Financial Obligations**

A student is eligible for registration or graduation only if all financial obligations to the University have been met. Transcripts and diplomas will be withheld and the student will be ineligible for further registration until all obligations have been fulfilled.

# **Institute for the Study of Children, Families and Communities**

David Clifford, director

Address: 203 Boone Hall

Phone: 734.487.0372

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Web site: www.iscfc.emich.edu

The Institute for the Study of Children, Families and Communities is an interdisciplinary applied research unit. It is dedicated to enhancing the quality of life in society. Its focus upon human capital development and community growth embraces, in addition to research, demonstration projects, technical assistance, consultation, training, assessment and policy analysis and advocacy. The institute executes its mission through its three centers.

The Center for Applied Research (CAR) provides a full range of research services including needs assessments, asset mapping, survey research, program monitoring and evaluation, data collection and analysis, and policy impact analysis. The CAR includes a state-of-the-art Computer Assisted Telephone Interviewing facility, the CATI Lab. Director: Peggy Wiencek, M.S., e-mail: peggy.wiencek@emich.edu

The Center for Child and Family Programs (CCFP) focuses on vulnerable children, families and marginalized youth. The CCFP conducts applied research and program evaluation, develops training curricula, provides technical assistance and develops policy recommendations at the local, state and national levels. Director: Valerie Polakow, Ph.D., e-mail: valerie.polakow@emich.edu

The Center for Community Building and Civic Engagement (CCBCE), newly funded through a U.S. Department of Justice grant, operationally extends EMU's mission as a metropolitan University into the greater community. Through projects such as the HUD Community Outreach Partnership Center, it promotes community capacity building, youth violence reduction and a range of community-University collaborations.

Director: Elvia R. Krajewski-Jaime, Ph.D., e-mail: ekrajewski@emich.edu

# **University Library**

## **Bruce T. Halle Library**

Rachel J. Cheng, University librarian

Address: 955 West Circle Drive

Phone: 734.487.0020 ext. 2200

Fax: 734.484.11 51

Web site: www.emich.edu/halle

The Bruce T. Halle Library supports the academic mission of the University through its state-of-the-art services, collections, technologies, facilities and equipment.

The Library is a vital component of the University's educational mission. It houses more than one million items including books, journal subscriptions, microforms, audio visual materials and U.S. Government Documents. The library has a rapidly growing collection of state-of-the-art electronic indexes and full-text ejournals and ebooks. The library contains special collections of faculty publications, children's literature, maps, African-American history and also houses the University Archives. These extensive collections are focused to provide strong support for the instructional programs of the University. More information about the library's collections, hours, and services is available at [www.emich.edu/halle](http://www.emich.edu/halle).

In addition to its collections, Halle Library provides the campus with venues where people can gather to share ideas and learn including meeting/classrooms, computer labs, a 90-seat auditorium, group study rooms, a TV studio, and the ParadoxCafé. The Library provides hundreds of public access computers. A unique feature of the Library is the Automated Retrieval Collection (ARC). The ARC's massive robot cranes locate and move the hundreds of bins that hold more than a half-million books, videos and other items from the Library's collection. Materials from the ARC can be in your hands within ten minutes.

Materials, including reserved reading materials assigned for use in course work, are checked-in and out on the main floor at the Circulation Desk. The Information Desk is located in the center of the first floor atrium and is the place where all library users may get assistance in using the collections and locating sources. For off-campus class students, the library offers reference assistance and instruction, access to research tools and access to materials. For more information, visit [www.emich.edu/halle/offcampusclasses](http://www.emich.edu/halle/offcampusclasses).

Collections on the main floor include the references, legal reference collections and maps. The second floor contains the journals, newspapers, government documents and children's literature collections and provides space for collaborative study. The third floor contains the circulating book collection and is the Quiet Study Floor.

Librarians offer a comprehensive range of orientation, reference and instructional services and are available to consult with users concerning their information needs, and to assist in developing search strategies and accessing resources. Subject-specialist librarians assist teaching faculty by working with them to design tours and instructional sessions for their classes. Appointments can be scheduled with individual librarians through the Information Services Office (734.487.0020, ext. 2100).

The Academic Projects Center (Halle Room 104), is a new venture offering one-to-one writing, research, and technology assistance for all EMU students. The APC is a collaboration between the University Library, Academic Technology and Computing Services, the University Writing Center, and the Writing Across the Curriculum and First Year Writing Programs. The APC offers point-of-need help with research, writing, and technology to students working on research papers and other academic projects. University Writing Center consultants, Halle Librarians, and technologists work together in the center to provide project-oriented support.

## Information and Communications Technology

To learn more about the technology services provided for students, faculty and staff, visit the IT web site at <http://it.emich.edu/>.

### Computers on Campus

#### *Lab locations:*

Morell D. Boone Computing Commons  
Address: G07 Bruce T. Halle Library  
Phone: 734.487.2121

Multimedia Commons  
Address: Bruce T. Halle Library, first floor  
Phone: 734.487.2687

Computer Lab  
Address: 2nd Floor, Student Center  
Phone: 734.487.1365

Owen Computing Lab  
Address: 101 Owen Building  
Phone: 734.487.2241

Some of the colleges and departments have specialty labs available for different uses. Your professor will tell you about using these specialty labs. If you would like to know more visit the web site of you specific college or department.

## **IT Computer Help Desk**

Address: 106 Halle Library  
Phone: 734.487.2120  
Web site: <http://it.emich.edu/>

The IT Computer Help Desk can assist you with problems accessing EMU's Internet-based resources such as my.emich or the residence hall network (ResNet). Check the IT Help Desk web site for more information on protecting your computer from viruses and other malicious programs.

### **my.emich Portal Account**

my.emich is Eastern Michigan University's personal portal. It is an official form of communication with EMU. This secure site provides students, faculty and staff with world-class intranet and Internet services including a 20 MB e-mail account and calendar. It is where you can check e-mail, access EMU's Web, register for classes, check your grades and pay tuition through e-Bill. For complete information on setting up your account, please visit the my.emich web site at: <http://my.emich.edu> and single click on "How Do I Get my user name and password."

## **EMU Computer Store**

Address: 101A EMU Student Center  
Phone: 734.487.2400  
Web site: [www.emich.edu/computerstore](http://www.emich.edu/computerstore)

Eastern Michigan University's Computer Store is the location for students, faculty and staff to purchase computers, software and related products at an educational discount. The IT Computer Store web site provides information on hardware, software, special promotions and details about the computer refresh program.

## **ResNet**

ResNet is Eastern Michigan University's residence hall network service. ResNet uses dedicated Ethernet wiring to connect students to the University network and the Internet, and works much like DSL or cable modem. Service is provided free of charge to students living in University Housing residence halls.

Advantages of ResNet: ResNet is convenient, requiring no modem or phone line to connect; ResNet is fast; and ResNet is a 10Mbit/sec Ethernet network.

To sign up for ResNet, plug in and go through the simple registration process. For more detailed information about ResNet, visit the IT web site at <http://it.emich.edu/>.

## **Wireless Networking**

Wireless networking is available to students, faculty and staff in select locations on campus. Wireless networking allows those with a wireless compatible laptop computer, and a my.emich user name and password, to connect to the campus network without



being "plugged in." For more details about the EMU Wireless network and responses to frequently asked questions, visit the IT web site at <http://it.emich.edu/>.

# Student Affairs and Campus Services

Click on a link to be taken to the entry below.

- Campus Services
  - The EMU Student Center
  - Campus Life
  - Department of Diversity and Community Involvement
  - Career Services Center
  - Cooperative Education
  - Student Government
  - University Student Identification Card
  - Ombudsman
  - Students with Disabilities Office
  - Office of International Students
  - Veterans Services Office
  - Children's Institute
  - Counseling Services
  - University Health Services
  - Health Education and Wellness Programs
- Campus Living
  - Housing
  - Residence Halls
  - Apartments on Campus
  - Dining Services
  - Student Rights and Responsibilities

## Campus Services

### The EMU Student Center

**Address:** 900 Oakwood St., Rm. 370 Ypsilanti, MI 48197

**Phone:** 734.487.1157

**Fax:** 734.487-0493

**Website:** <http://www.emich.edu/studentcenter>

The EMU Student Center is the interactive heart of student life at Eastern. The building's concave east side architecturally declares the Student Center's intent to "embrace" the campus and act as a unifying force in the daily life of Eastern. This unifying mission is further reinforced in the Student Center's mix of facilities, services, and programs designed to create an environment to attract and serve students, faculty, staff, and the local community. The Student Center helps build a powerful and positive, diverse and collegiate, academic community at EMU. The Student Center is immediately adjacent to the Halle Library on the south, and the Recreation/Intramural building on the southeast, and is near the academic core of the campus. The east side of the Student Center is a three-story glass wall that overlooks University Park.

The EMU Student Center's first floor consists of the EMU Bookstore operated by Follett, fireplace lounge, state of the art 250-seat auditorium, food court with comfortable seating for 450, Wendy's, Subway, Taco Bell/KFC, Sbarro's, Green Market Bistro, convenience store, TCF Bank, Eagle Card Office, Apple store, ticket office, and a gaming center. The second floor consists of the grand ballroom with banquet-style seating for 650, pre-function fireplace lounge, University Art Gallery, Student Center Art Gallery, Admissions Welcome Center, University Information Center, Service EMU, Office of International Students, New Student Programs, Student Judicial Services, Students with Disabilities Office, 24/7 computer lab, Commuter Central and lounge, and Starbucks Coffee. The third floor consists of meeting rooms including the Native American inspired Kiva Room, Event Planning Office, Student Center Administration, and the Center for Student Involvement that includes Student Government, Greek organizations, student organizations, Campus Life, Diversity and Community Involvement Programs, and VISION. For

additional information about the EMU Student Center visit [www.emich.edu/studentcenter](http://www.emich.edu/studentcenter). The Campus Information Center on the second floor of the Student Center can provide more information on the Center's programs and services. Call the friendly staff at 734.487.1157.

## Campus Life

**Address:** 345 EMU Student Center  
**Phone:** 734.487.3045  
**Fax:** 734.480-1927  
**Web site:** [www.emich.edu/campuslife](http://www.emich.edu/campuslife)

Campus Life offers student-centered learning, development and involvement activities that challenge and support the unique gifts, needs, experiences and interests of our students, our professional staff members and members of the broader campus community.

- **Arts, Intellectual, Cultural and Entertainment Programs** - Offering social engagement and aesthetic literacy experiences through a variety of activities including late night/evening/weekend programs, intellectual/cultural experiences, guest speakers and artists, student performances, films and more.
- **Commuter Life** - Providing access to an array of services designed to support commuter students including Service EMU, temporary and one night campus housing for commuters, commuter scholarships and Student Legal Services. Also serving the transition, student involvement and engagement needs of commuters through commuter orientation, the Commuter Student Association, and campus activities.
- **Leadership and Student Involvement** - Providing students with opportunities to enhance their personal and professional skills through student volunteer boards, student employment experiences, and an array of leadership development programs.
- **Orientation and Transition Programs** - Offering programs, services and resources assisting students to transition successfully into and through their college career including Fusion: New Student Orientation for freshmen, transfer and adult students, the MyFY Website, First Year Mentor Program, and Real Beginnings.
- **Student Organizations and Greek Life** - Providing programs, services, resources and advocacy for student organizations, including fraternities and sororities to function safely and effectively, contributing positively to the EMU community.

## Department of Diversity and Community Involvement

**Diversity Programs**  
**Address:** EMU Student Center, 3rd Floor  
**Phone:** 734.487.3118  
**Fax:** 734.487.6910  
**Website:** [www.emich.edu/dci](http://www.emich.edu/dci)

**Volunteerism and Community Service**  
**EMU Student Center, 3rd Floor**  
**Phone:** 734.487.3045  
**Fax:** 734.480.1927  
**Website:** [www.emich.edu/vision](http://www.emich.edu/vision)

The Department of Diversity and Community Involvement (DCI) offers numerous opportunities for engagement and learning beyond the classroom. DCI provides opportunities for students, faculty, and staff to get involved in social justice education, programming, and activism.

Diversity and Community Involvement is comprised of four centers: the Center for Multicultural Affairs, the Lesbian, Gay, Bisexual, Transgender Resource Center (LGBTRC), VISION (Volunteers Incorporating Service into our Neighborhoods), and

the Women's Center. The Center for Multicultural Affairs, LGBTRC and the Women's Center offer a variety of programming and services promoting diversity and inclusion. The Centers recognize, support, and celebrate diverse student populations; promote academic, personal, social and professional development of diverse student populations; provide information, resources, and referral services, and help faculty and staff teach effectively in a diverse University setting. Examples of our programming include: Cultural Heritage Celebration Months, Out Month, Lavender Role Models and Mentors, Take Back the Night, and the Vagina Monologues.

**VISION Volunteer Center** – the fourth of DCI's Centers – offers opportunities for students to get involved in service. VISION helps students learn about social issues, address community needs and strengthen community partnerships. Our student-led programs include Alternative Breaks, America Reads, Best Buddies, GREEN, Habitat for Humanity, Jumpstart, Kid Konnection, Students Against Hunger and Homelessness, and One-Day Events.

## **Career Services Center**

**Address: 200 McKenny Hall**

**Phone: 734.487.0400**

**Fax: 734.487.0940**

**Web site: [career.emich.edu](http://career.emich.edu)**

### ***Satellite Office:***

**College of Business**

**Address: 210 Owen Building**

**Phone: 734.487.4099**

The Career Services Center (CSC), 200 McKenny Hall, provides a variety of services for both undergraduate and graduate students. Assistance with résumé preparation, interviewing and job search strategies is available. In addition, CSC offers job fairs, student employment listings, on-campus interviews and a résumé referral service. For a more complete list of their services go to [career.emich.edu](http://career.emich.edu).

### **Walk-In Advising**

If you have a quick question or would like your résumé reviewed, CSC offers walk-in advising with trained career specialists. Walk-in advising is located in the main CSC office in 200 McKenny Hall. Hours vary each semester; call 734.487.0400 for the current schedule.

### **Career Resources**

CSC's career resources area, located in 200 McKenny Hall, is an excellent source of information and assistance for career planning and your job search. Information provided relates to:

- Career planning and development for students and alumni
- Characteristics of occupations, such as employment outlook, education needed, and salary trends
- Online databases of companies nation-wide
- Internships and volunteer opportunities
- "How-to-do-it" books and videotapes on conducting a job search
- Graduate schools
- Résumé and interview preparation
- Job postings/on-campus interview opportunities

## **Cooperative Education**

## **The Program**

Cooperative education (co-op) is a unique educational plan designed to enhance academic studies and assist students in attaining career goals. The Career Services Center and academic departments cooperate with business and industry as well as private and public agencies in developing work assignments that parallel the student's academic program. Co-op provides direct, hands-on experience while adding practical dimensions to the student's academic background. Students typically earn wages and academic credit for each co-op job assignment. (For Career Services Center locations click [here](#)).

## **Benefits to the Student**

- Increases employment opportunities upon graduation. Approximately 70 percent of co-op participants are offered permanent jobs by their employer upon graduation.
- Awards college credit while being paid to work. Co-op students also earn wages significantly higher than most student employment opportunities.
- Increases earning and promotional potential. Co-op students start between five and 10 percent above normal entry-level salaries after graduation.
- Offers on-the-job training related to course of study. Co-op students typically perform professional level assignments.
- Links classroom and work place. Co-op placements provide the opportunity to apply academic studies while bringing career goals into focus.

## **Eligibility/Application**

Most students must be at least of junior standing with 12-15 credit hours or prerequisites completed in major. The College of Business (COB) and the College of Health and Human Services (CHHS) will consider second-semester sophomores in selected majors. Note that eligibility and prerequisites vary based on major/minor and that departmental approval is required in most cases. A first step in pursuing a co-op is to speak with an adviser in your program of study to determine application procedures.

## **Grade Point Average**

A 2.5 cumulative GPA is required unless waived by faculty sponsor. Students on academic probation are not eligible to participate.

## **Academic Credit**

Generally three credits are awarded for each placement, but may vary by major and department. Work experiences are graded on a credit/non-credit basis.

## **Internships**

Students interested in an internship are encouraged to seek information from their departmental office regarding placement assistance and application materials. Requirements may vary by department and academic discipline. The Career Services Center provides listings for internships at [EagleCareers.eRecruiting.com](http://EagleCareers.eRecruiting.com) and also has print materials about internship opportunities at their main office in 200 McKenny Hall. Students are encouraged to identify opportunities, seek departmental approval and apply directly.

## **Pre-Professional Internships**

The Career Services Center facilitates the Pre-Professional Internship (PPI) program which is available for freshman and sophomores in all academic majors at any class level. This program offers up to six elective credits for work experience that has allowed students to explore career options. For additional information go to <http://career.emich.edu>.

## **Student Government**

**Governed by the President (elected each spring)**

**Address: EMU Student Center, Room 342**

**Phone: 734.487.1470**

**Web site: [www.emich.edu/studentorgs/studentgov](http://www.emich.edu/studentorgs/studentgov)**

Student Government at EMU is committed to improving the quality of student life on campus. The student body each spring elects a president, vice president and 24 senators who, along with representatives appointed from various organizations, compose the Student Senate. The executive officers and members provide input to the administration of the University to help solve problems and improve programs and services. Student Government also sponsors campus-wide events and trips to Lansing to meet with state legislators.

Not only do student representatives get valuable experience in the process of government, but they also represent the University on local, state and national levels. Any EMU student may run for a Student Government position. Interested students are also welcome to serve on Student Government committees and University advisory groups.

## **University Student Identification Card**

**Eagle Card Office**

**Address: EMU Student Center, 1st Floor**

**Phone: 734.487.3176**

**Web site: <http://it.emich.edu/eagleonecard/>**

A valid Eastern Michigan University identification card is required for many services on campus including the use of special facilities. To obtain a University identification card, students must be registered for at least one class for the current or upcoming semester. You will need one piece of valid picture identification and a copy of your class schedule. Visit the Eagle Card Office web site for office hours and updated information.

## **Ombudsman**

**Address: 112 Welch Hall**

**Phone: 734.487.0074**

**Fax: 734.487.7170**

**Web site: <http://emich.edu/ombuds>**

The ombudsman facilitates the resolution of individual complaints which do not have a formal avenue of redress through official University channels. The ombudsman advises students on University policy and procedures, identifies and recommends changes to current practices, and communicates student concerns/issues to appropriate University officials. In addition, the ombudsman presents workshops, conducts needs assessments and mediates disputes.

In the event of an emergency, the ombudsman is the main contact between the student, the student's family and the University. When a student emergency exists, the ombudsman has the responsibility for notifying the student's instructors, and for contacting family members and other appropriate personnel.

## **Students with Disabilities Office**

**Address: EMU Student Center, Room 220**

**Phone: 734.487.2470**

**TTY: 734.487.2470**

**Web site: [www.emich.edu/disabilities](http://www.emich.edu/disabilities)**

Students with physical, learning or psychological disabilities, sensory impairments and chronic health conditions must register with the Students with Disabilities Office (SWDO) in order to receive accommodations. Typical accommodations include extended time for examinations, the ability to take examinations in a distraction-free environment, access to adaptive technology, sign language interpreters, books on tape and note takers. However all accommodations are determined on a case-by-case basis according to each student's documented limitations. The SWDO also works closely with faculty members and other University departments, such as Housing and Campus Life, to ensure that students with disabilities receive the accommodations they need to participate in all University programs, services, and activities. All disability information is strictly confidential and students are encouraged to contact the SWDO to discuss their individual needs.

## **Office of International Students**

**Address: EMU Student Center, Room 244**

**Phone: 734.487.3116**

**Web site: [www.emich.edu/ois](http://www.emich.edu/ois)**

The Office of International Students extends a welcome to all international students pursuing educational goals at Eastern Michigan University. Concerned, responsible and professional staff is available to assist students in any matter, including orientation, advice on immigration issues, academics, financial, employment and personal concerns. The staff also provides the preparation of documents needed to maintain favorable status in this country.

This office serves as a consultant to faculty and staff on international student affairs and acts as a catalyst for the development of various international connections in the University and/or community to promote international education and understanding; and initiates enhancement programs such as cross-cultural activities on and off campus.

International students are encouraged to make regular contact with the office.

## **Veterans Services Office**

**Shaftone Dunklin, Director**

**Address: 246 McKenny Hall**

**Phone: 734.487.3119**

**Fax: 734.487.5060**

**Web site: [www.emich.edu/veterans](http://www.emich.edu/veterans)**

The Veteran Services Office (VSO) coordinates all campus services for veterans who are pursuing their education at EMU. It is the resource center for veterans' benefits; veterans must report successful academic progress, class drops and adds, and/or relevant changes in personal status to the VSO in order to maintain benefits.

The office assists veterans in housing and financial aid, and works closely with disabled veterans to provide full educational benefits. Veterans should direct all questions to a representative of this office.

## **Children's Institute**

**Address: 103 Rackham Hall**

**Phone: 734.487.2348**

**Fax: 734.487.0286**

**Web site: [www.emich.edu/uhs/children.html](http://www.emich.edu/uhs/children.html)**

**Hours: Monday - Friday, 7:30 a.m. to 5:30 p.m.**

The EMU Children's Institute, accredited by the National Association for the Education of Young Children, offers high-quality early childhood education programming to families of Eastern Michigan University and surrounding communities. We offer varied programs designed to meet the needs of students and working families.

The Institute provides high-quality care and education for children ages 18 months through six years. Full- and half-day programs are available for toddlers, preschoolers, and kindergartners. A special arrangement with the Ypsilanti Public School System provides transportation to and from Perry Child Development Center for the morning kindergarten program. We also offer a full-day kindergarten program at the Children's Institute.

The EMU Children's Institute serves as the practicum placement site for students preparing to be early childhood education teachers. Practicum students are closely supervised by professional classroom teachers and University faculty members.

Flights of Imagination, the summer day camp program at the Children's Institute, offers exciting and varied programs for children entering kindergarten and first grade, supervised by professional teaching staff, with EMU students as camp counselors. Camp is offered as eight weekly sessions.

Activities at the Children's Institute are play-based and developmentally appropriate, and designed to meet the needs of each child in the group. Teaching staff have completed coursework and hold degrees/advanced professional degrees in early childhood education. Staff training and in-service days are conducted throughout the year.

## **Counseling Services**

**Address: 313 Snow Health Center**

**Phone: 734.487.1118**

**Fax: 734.481.0050**

**Website: [www.emich.edu/uhs/counseling.html](http://www.emich.edu/uhs/counseling.html)**

**Hours: Monday – Friday, 8 a.m. to 5 p.m.**

Counseling Services provides:

- Free, confidential, personal counseling for EMU students
- Informative, interactive workshops and presentations in classrooms and other locations on topics including managing depression, resolving communication and relationship problems, building self esteem, addressing anger and test anxiety, among others
- Crisis response and support
- Screening for depression and other concerns
- Consultation with faculty and staff about student and classroom issues
- Self-help lending library

Professional, licensed psychologists and counselors provide services. Graduate students completing internships also provide services under professional staff supervision.

All registered EMU students are eligible for services. Appointments can be made by phone or in person. Counseling is confidential and at no cost to students.



## University Health Services

### Medical Services

**Address: Snow Health Center Main Floor**

**Phone: 734.487.1122**

**Fax: 734.487.2342**

**Web site: [www.emich.edu/uhs](http://www.emich.edu/uhs)**

**Hours: Monday-Friday 8 a.m. to 5 p.m.**

The Center is closed during official University closings. Appointments are preferred, but walk-ins can usually be accommodated.

All currently enrolled students, faculty, staff and their spouses at Eastern Michigan University are eligible for services.

Medical Services provides treatment as well as preventive services for a wide range of acute, episodic and ambulatory medical conditions, some of which include:

- Evaluation and treatment for minor illness and injury
- Physical examinations
- Allergy shots, immunizations, meningitis shots, TB testing and flu shots
- Women's health care including annual exams, diagnosis and treatment for infections, birth control and pregnancy tests
- X-ray and laboratory tests

Snow Health Center is a fully staffed medical facility. The professional team includes physicians, nurse practitioners, nurses and technologists that have specialized in the health and lifestyle concerns of young adults. In addition, faculty and residents from St. Joseph Mercy Hospital work with the staff in a collaborative program to provide services.

The EMU Student Health Insurance policy, sponsored by Student Government, is accepted in full for covered services after co-pays are met. The EMU policy can be reviewed and purchased online at [www.uhcsr.com](http://www.uhcsr.com)

### Pharmacy

**Address: Snow Health Center, Main Floor**

**Phone: 734.487.1125**

**Fax: 734.487.0273**

**Website: [www.emich.edu/uhs](http://www.emich.edu/uhs)**

The pharmacy is licensed by the State of Michigan and provides quality pharmaceutical services with an emphasis on patient counseling regarding medication(s), issues involving possible drug interactions, proper use and storage of medication(s), dosage and side effects. The pharmacy can fill prescriptions written by licensed physicians in Michigan as well as most prescriptions written by out-of-state licensed providers. We participate with many prescription insurance plans. The pharmacy also maintains a variety of over-the-counter products, including no-prescription medications.

## Health Education and Wellness Programs

**Address: Snow Health Center, Third floor**

**Phone: 734.487.2226**

**Fax: 734.481.0050**

**Web site: [www.emich.edu/uhs/healthed.html](http://www.emich.edu/uhs/healthed.html)**

Health Education provides comprehensive health and wellness services and programs aimed toward the enhancement of

academic achievement and the promotion of healthy lifestyles. Some of the services include:

- Alcohol, tobacco, and other drug prevention and education programs, screenings and assessments
- Checkpoint Program
- HIV counseling/testing and referral services
- Health Resource Library
- Classroom and workshop presentations
- CloseUP Theatre Troupe
- Violence Intervention Program (VIP)
- CPR/First Aid certification classes

## Campus Living

### Housing

**Address: Housing and Dining Services Office, (Lower Level, The Commons) Ypsilanti, MI 48197**

**Phone: 734.487.1300**

**Fax: 734.487.8513**

**E-mail: [housing@emich.edu](mailto:housing@emich.edu)**

**Web site: [www.emich.edu/housing/](http://www.emich.edu/housing/)**

**Hours: 8:00 a.m. to 5:00 p.m., weekdays**

### Residence Halls

Eastern Michigan University's residence system provides housing for more than 3,000 students, staff and faculty. Housing options include both traditional residence halls and apartments. Twelve residence halls offer six room layouts to choose from. One can live in a double room, co-ed hall, or upperclass single hall. Features include laundry and kitchen facilities, TV and study lounges, cable television, local telephone service and recreational amenities. All halls feature reception desk services and in-room network connections for Internet and e-mail service. Residence hall staff provides educational and recreational programs and promotes the safety and welfare of residents.

Students can stop by their hall front desk to pick up their mail, make change or check out cleaning supplies, vacuums and recreational equipment.

The custodial and maintenance staff will repair any permanent fixtures in students' rooms, such as heat, plumbing or light fixtures, as well as clean hall corridors, lounge areas and community bathrooms.

Residence hall students also enjoy the convenience of having shuttle bus stops right in front of many halls. Residents can catch a ride around campus, head to the College of Business in downtown Ypsilanti or go shopping in nearby Ann Arbor.

To reserve a room, students must:

1. Apply online from our web site at [www.emich.edu/housing/main.php](http://www.emich.edu/housing/main.php);
2. Read the contract carefully and thoroughly. The contract contains important information one needs to know before reserving a room;
3. Select a meal plan;
4. Select a residence hall program;
5. Make a \$200 prepayment or print the contract and mail to:

Cashier's Office

201 Pierce Hall

Eastern Michigan University

Ypsilanti, MI 48197

## **Apartments on Campus**

Eastern Michigan University offers traditional residence halls as well as apartment living options for students. Three apartment complexes are available: Brown/Munson, Cornell Courts and Westview apartments.

Applicants must be:

- enrolled in 12 undergraduate credit hours; or
- enrolled in six graduate credit hours; or
- actively engaged in an internship, or writing a master's, specialist's, or doctoral thesis; or
- upperclass or non-traditional first year students

University apartments include:

- locations convenient to classes, the library, and athletic events;
- utilities included in rent (gas, electric, water and trash collection);
- basic cable service;
- laundry rooms in each building;
- storage facilities at some locations;
- community rooms for complex activities;
- leasing options;
- Internet in Brown/Munson

A student must submit an application to be considered for an apartment. Applications are available from the apartment office and require a \$20 non-refundable processing fee.

Assignments are made by the leasing coordinator according to the date the application is received. Applicants are notified when their application has been approved and a unit is available for occupancy. Apartments are leased as they become available.

According to Eastern Michigan University policy, the maximum number of individuals allowed to live in a two-bedroom apartment is four (4). The maximum number of individuals in a one-bedroom unit is two (2).

Contact:

**Address: Housing and Dining Services Office, (Lower Level, The Commons) Ypsilanti, MI 48197**

**Phone: 734.487.0445**

**Web site: [www.emich.edu/housing/apartments](http://www.emich.edu/housing/apartments)**

## **Dining Services**

**Address: Housing & Dining Services Office (lower level, The Commons)**

**Phone: 734.487.0418**

**Fax: 734.487.8513**

**Web site: [www.emich.edu/dining](http://www.emich.edu/dining)**

You will never get bored eating the same old food in the same old place at EMU. There are more than 20 locations campus-wide (including four convenience stores). All locations are open to students, faculty, staff, parents and invited guests. Various meal plan memberships which may be purchased by the university community have been designed to complement lifestyles and budgets. Meal plan memberships may be charged to student accounts, or purchased by cash, check or charge card (Visa/MasterCard). Memberships may be purchased at the Housing & Dining Services Office; Eagle Express may also be purchased at the Eagle OneCard Office in the Student Center. Following are the available meal plan memberships:

***Required for all freshmen living in residence halls:***

**PLATINUM • 18**

- 3 meals daily Monday-Friday
- 2 meals Saturday • 1 meal Sunday
- 2 guest meal passes
- \$75 E-Dollars per semester for use at any EMU campus operated location

**GOLD • 13**

- 2 meals daily Monday-Saturday
- 1 meal Sunday
- 4 guest meal passes
- \$150 E-Dollars per semester for use at any EMU campus operated location

**SILVER • 8**

- 8 meals any time Monday-Sunday
- 8 guest meal passes
- \$250 E-Dollars per semester for use at any EMU campus operated location

*Available only to upperclassmen returning to the residence hall program or transferring with a minimum of 24 credit hours:*

**SUPER FLEX**

- Debit account with total flexibility
- An additional 25% administration fee will be required

**BASIC FLEX**

- Debit account with total flexibility
- An additional 25% administration fee will be required

*Additional memberships available to all non-residence hall students, faculty and staff:*

**APARTMENT RESIDENTS FLEX**

- Debit account with total flexibility

**THE COMMONS BLOCK PLAN**

- Designed for those who enjoy The Commons' experience of all-you-care-to-eat buffet dining
- Monday-Friday, lunch and dinner
- Always fresh -- many healthy options
- Wireless internet access
- Purchase in blocks of 5 meals = \$40
- Purchase 25 meals and receive 2 free meals
- Balance rolls over semester to semester

**EAGLE EXPRESS**

- **5% discount at all EMU operated facilities available to faculty, staff and students**
- Used in all dining locations campus-wide including 4 convenience stores
- Pre-paid debit card means safety and convenience without carrying cash
- Excellent way to supplement your meals 24/7
- Minimum beginning balance is \$25 and balance will roll over from semester to semester

*NOTE: Posted hours will vary pending holidays and academic calendar. Some dining locations will remain open during unscheduled shutdowns such as snow emergencies. Contact each area for specific hours.*

### **The Commons**

Formerly known as Dining Commons ONE, The Commons offers an all-you-care-to-eat self-serve food court featuring home cooked entrees, pasta and stir fry lines, soups, popular fast foods, an extensive salad bar, desserts, and the very popular make-your-own Belgium waffles. Accessible through Downing Residence Hall. 734.487.2442

### **Eastern Eateries**

High tech fast food mall with 6 shops, featuring 5 national franchises: Jump Asian Cuisine, A & W, Sbarro, Sunset Strips and Freshens. Sundays from 1-6 pm enjoy one-time walk through all-you-care-to-eat Buffet Extravaganzas. Conveniently located between Phelps-Sellers and Walton-Putnam Residence Halls. 734.487.0444

While at the Eateries check out the QuickFixx convenience store located on the lower level. This little store has: groceries, toiletries, snacks, greeting cards and video rentals. 734.487.0122

### **CrossRoads MarketPlace**

Home of the first room service venue in the country for residents "on the hill," this is a unique food court and full-service grocery store concept featuring Einstein Bros. Bagels shop plus Hot Off The Grill (entrees) and Panini Grill (deli). Also featured is an extensive video rental and greeting card selection. Located in the Hoyt Conference Center. 734.487.3066

### **EMU Student Center Food Court**

Features the Lobby Shop (snack shop), Taco Bell Express, KFC Express and Starbucks. This year an exciting new GreenMarket Bistro opened its doors featuring The Garden Bistro (the first all-vegetarian venue on campus), Dog Daze gourmet hot dogs, Jet Smoothies and Sbarro. 734.487.6416

### **Satellite Operations - all shops provide sandwiches, soups, salads, pastries and beverages.**

- **Cafe Crescendo** located in Alexander Hall. 734.487.8450
- **Common Ground Cafe** located in the Marshall Building. 734.487.3412
- **Courtside** located in the Rec/IM. 734.487.6693
- **Flying Eagles** located in Pray-Harrold (northeast end). Also serves Starbucks coffee. 734.487.6965
- **Food For Thought** located in Sill Hall. 734.487.6965
- **Paradox Cafe & Commons** located Halle Library. Also serves Starbucks coffee. 734.487.4550
- **The Bottom Line** located in the College of Business (downtown Ypsilanti). 734.487.5609
- **TO BE Cafe** located in Quirk-Sponberg Theatres. 734.487.6699

## **Student Rights and Responsibilities**

The Office of Student Judicial Services works to create an effective living and learning environment by designing policies such as the Student Code of Conduct, providing a disciplinary process and conducting programs that foster ethical development, personal accountability and civility toward others. For information concerning student rights and responsibilities contact:

### **Office of Student Judicial Services**

**Address: 250 EMU Student Center**

**Phone: 734.487.2157**

**Fax: 734.487.4376**

**Web site: [www.emich.edu/sjs](http://www.emich.edu/sjs)**

## **University Governance and Individuals' Rights**

Eastern Michigan University is an autonomous University governed by an eight-member Board of Regents appointed by the governor of Michigan and subject to the approval of the Michigan Senate. Financial support for the University comes from student tuition and fees, and support provided by the citizens of Michigan.

Current members of the Board of Regents are Thomas W. Sidlik, Ann Arbor, chair; Roy E. Wilbanks, Ypsilanti, vice chair; Floyd Clack, Flint; Gary D. Hawks, Okemos; Philip A. Incarnati, Clarkston; Mohamed Okdie, Detroit; Francine Parker, St. Clair Shores; and James F. Stapleton, Ann Arbor.

## **Policies on Non-Discrimination**

Eastern Michigan University shall not discriminate against any person because of race, color, creed, religion, national origin, gender, age, disability or sexual orientation. Further, the University shall work for the elimination of improper discrimination in the areas listed above in organizations recognized by the University and from non-University sources where students and employees of the University are involved.

## **Equal Opportunity and Affirmative Action Policies**

Eastern Michigan University admits students of either sex, and any race, color, or national or ethnic origin to all the rights, privileges, programs and activities accorded to students at this University. The University does not discriminate against students on the basis of sex, race, color or national or ethnic origin in the administration of its educational policies, admissions policies, scholarships and loan programs, athletic or other University-administered programs. Further, it is the policy and practice of Eastern Michigan University to take affirmative action in all personnel matters.

## **Gender Equality**

It is the policy of Eastern Michigan University to comply with Title IX of the Education Amendments of 1972 and its regulations, which prohibit discrimination on the basis of sex. Anyone who believes that in some respect Eastern Michigan University is not in compliance with Title IX and its regulations should contact the executive director of Human Resources.

## **Non-Discrimination of the Disabled and/or Challenged**

**Sharon Abraham, director**  
**Diversity and Affirmative Action**  
**Address: 11 Welch Hall**  
**Phone: 734.487.1166**

In its programs, activities and employment, Eastern Michigan University does not discriminate on the basis of physical or other disabilities. Anyone who believes that in some respect Eastern Michigan University is not in compliance with the Rehabilitation Act and its regulations should contact the executive director of Human Resources. Prospective students with disabilities who are otherwise qualified for admission are invited to apply. Students encountering difficulty with access to full participation in University activities should contact the dean of students.

## **Statement on Campus Violence**

In accordance with the education mission of Eastern Michigan University, the University adopts this policy statement to promote a safe campus environment. The statement reflects the nonviolent spirit of the relationship between students, staff, administrators, faculty, contractors and visitors at Eastern Michigan University.

The safety and security of our students, staff, administrators, faculty, contractors and visitors is extremely important to Eastern Michigan University.

Threats, acts of aggression and threatening or violent behavior are not tolerated by or toward students, staff, administrators, faculty, contractors or visitors. All reports of incidents will be taken seriously and will be dealt with appropriately. Threats can be direct and immediate or indirect and implied; threats can occur verbally, nonverbally or in writing. Acts of aggression include, but are not limited to, abusive behavior, stalking, and tampering with property, and are intended to intimidate, create fear, imply harm or destroy property. Threatening or violent behavior is behaving in such a way that poses an immediate threat to self or others by acts of physical harm.

All students, staff, administrators, faculty, contractors and visitors are strongly encouraged to report threats, acts of aggression, and threatening or violent behavior, to the Campus Police (911 for all emergencies, 734.487.1222 for all other calls), Human Resources (734.487.0083) and/or your department head or supervisor, to help ensure the safety of our campus community.

## **Family Education Rights and Privacy Act**

In compliance with the Family Education Rights and Privacy Act (FERPA), Eastern Michigan University assures that any person who is or has been in attendance as a student at EMU has access to his/her educational records. Furthermore, such individual's rights to privacy are assured by limiting the transferability of records without the student's consent.

The following are matters of public record and may be included in directory publications or disclosed upon request without consent: the student's name, address, telephone listing, e-mail address, date and place of birth, major field of study, participation in recognized activities and sports, weight and height (if a member of an athletic team), dates of attendance, degree and awards received and most recent previous educational agency or institution. Registration documents of student organizations that contain the names and addresses of the officers and the statement of purpose of the organization also are considered public information. These documents are available in the Office of Campus Life Programs.

EMU reserves the right to make directory information public unless a student files a written request to withhold information with the University Communications Office within 14 days after the semester begins. Once such a request is filed, the information will remain private until the student requests the Office of Public Information to release it.

Individuals who believe the University is not in compliance with FERPA and its regulations should contact the executive director of Human Resources.

## **Notification of Student Rights under FERPA**

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. They are:

1. **The right to inspect and review the student's education records within 45 days of the day EMU receives a request for access.**

Student should submit written requests to the EMU Office of Records and Registration, identifying the record(s) they wish to inspect. A University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

2. **The right to request the amendment of the student's education records that the student believes are inaccurate or misleading.**

Students should write the University official responsible for the record, clearly identify the part of the record they want changed and specify what is inaccurate or misleading.

If the University decides not to amend the record as requested by the student, the University will notify the student of

the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

3. **The right to consent to disclosures of personally identifiable information contained in the student's education record, except to the extent that FERPA authorizes disclosure without consent.**

One exception which permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by EMU in an administrative, supervisory, academic, research or support position (including law enforcement personnel and health staff); a person or company with whom EMU has contracted (such as an attorney, auditor or collection agent); a person serving on the Board of Regents; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks.

A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility.

Upon request, the University discloses education records without consent to officials of another school in which a student seeks or intends to enroll.

The University may also disclose, without the student's permission, to parents and legal guardians when the student is under 21, any violation of existing alcohol or drug laws or University policy.

EMU has designated the following items as directory information and these items may be included in publications or disclosed upon request without consent: the student's name; address; telephone listing; e-mail address; date and place of birth; major fields of study; participation in recognized activities and sports; weight and height of members of athletic teams; dates of attendance; degrees and awards received; and the most recent previous educational agency or institution attended by the student.

EMU reserves the right to make directory information public unless a student's written objection (specifying the category of information not to be made public without prior consent) is filed at the University Communications Office within 14 days after each term begins.

Students who do not want to be included in the annual EMU Student Telephone Directory should complete a Directory Exclusion Card. Cards can be picked up from University Publications, Housing and Dining Services, Records and Registration and the Library Copy Center. They must be turned in by September 15 to the Library Copy Center or to University Publications. Completing the exclusion card will remove the student's name, address and phone number from the current and subsequent telephone directories.

4. **The right to file a complaint with the U.S. Department of Education concerning alleged failures by EMU to comply with requirements of FERPA. The name and address of the office that administers FERPA is:**

Family Policy Compliance Office  
U.S. Department of Education  
600 Independence Avenue, SW  
Washington, D.C. 20202-4605



# Extended Programs and Educational Outreach

Click on a link to be taken to the entry below.

- [Mission Statement](#)
- [Off-Campus Locations](#)
- [EMU-Online](#)
- [Independent Learning](#)
- [Prior Learning Assessment](#)
- [One-Week Courses](#)
- [Professional Programs and Training](#)
  - [Centers for Corporate Training](#)
  - [Professional Education Center](#)
- [Academic Programs Abroad](#)

**Byron D. Bond, dean**

**Address: 102 Boone Hall**

**Phone: 734.487.0427**

**Fax: 734.487.2316**

**Dan Gaymer, associate dean**

**Address: 100 Boone Hall**

**Phone: 734.487.0407 or 800.777.3521**

**E-mail: [extended.programs@emich.edu](mailto:extended.programs@emich.edu)**

**Web site: [extended.emich.edu](http://extended.emich.edu)**

Extended Programs and Educational Outreach offers flexible, innovative and exciting credit courses and program options. Courses offered through Extended Programs and Educational Outreach are available at times, locations and in formats that are convenient for students balancing a full- or part-time job, co-curricular activities and/or family responsibilities with their college education. Credit earned in Extended Programs and Educational Outreach courses and programs is regular University academic credit.

Each semester, Extended Programs and Educational Outreach publishes a course bulletin listing the courses available that semester. These bulletins are available at the Extended Programs and Educational Outreach Office in Boone Hall, online at [extended.emich.edu](http://extended.emich.edu) and in display racks in various locations around the EMU campus. In addition, all CE course offerings are listed in the University's online class schedule at [insight.emich.edu/Students/ocsb/index.cfm](http://insight.emich.edu/Students/ocsb/index.cfm). Since some courses are scheduled after the CE course bulletin and the University class schedule are published, refer to the University's online class schedule for updates. As with all EMU courses, your academic adviser is the person best equipped to guide you and answer specific questions about which courses will meet the requirements of your program of study.

## Mission Statement

It is the mission of Extended Programs and Educational Outreach to provide leadership in dissolving traditional campus boundaries through collaborative programs that complement and extend the educational, research and public service activities of the University, as understood in the context of our identity as a metropolitan and publicly engaged University. Extended Programs and Educational Outreach also engages individuals across their life span, from high school, through traditional University years, to adult working years, through individual professional development and educational/training programs for business, government and nonprofit agencies. We work to extend the reach and impact of the University not only to the State of Michigan but globally, recognizing that our students live and work in the context of a closely interconnected world.

The most important asset of any institution, corporation or business is the people that make things happen. With advanced

education and training, they become better positioned to meet the individual and collective challenges that lie ahead.

Eastern Michigan University Extended Programs and Educational Outreach is committed to helping meet these challenges. We offer flexible and innovative applied academic experiences in the State of Michigan, nationally and internationally.

Through EMU's Extended Programs and Educational Outreach units, it is now possible for individual adult students, businesses, and government and social agencies to access the tremendous resources of one of Michigan's leading universities. Using alternative formats and teaching technologies, we deliver education, applied research, training and consultation services. Ongoing research initiatives and collaborations ensure that our programs respond to changing needs in a changing environment.

## Off-Campus Locations

Extended Programs and Educational Outreach offers full degree programs and certificates at convenient off-campus locations throughout Michigan. For a complete list of programs, contact the locations listed below or visit [extended.emich.edu](http://extended.emich.edu).

EMU-Brighton  
2250 Genoa Business Park Dr., Suite 120  
Brighton, MI 48114  
Phone: 810.225.0361  
E-mail: [brighton@emich.edu](mailto:brighton@emich.edu)

EMU-Detroit  
Northwest Activities Center  
18100 Meyers  
Detroit, MI 48253  
Phone: 313.342.2767  
E-mail: [detroit@emich.edu](mailto:detroit@emich.edu)

EMU-Fish Lake  
2816 Fish Lake Rd.  
Lapeer, MI 48446  
Phone: 810.667.2350  
E-mail: [fish.lake@emich.edu](mailto:fish.lake@emich.edu)

EMU-Flint  
1401 East Court Street, 1000 Mott Memorial Building  
Mott Community College  
Flint, MI 48503  
Phone: 810.762.0303  
E-mail: [flint@emich.edu](mailto:flint@emich.edu)

EMU-Jackson  
2111 Emmons Road, 127 McDivitt Hall  
Jackson Community College  
Jackson, MI 49201  
Phone: 517.787.7265  
E-mail: [jackson@emich.edu](mailto:jackson@emich.edu)

EMU-Livonia  
38777 W. Six Mile Road, Suite 400  
Livonia, MI 48152  
Phone: 877.818.4368  
E-mail: [livonia@emich.edu](mailto:livonia@emich.edu)

EMU-Monroe  
1555 S. Raisinville Road, Life Sciences Building L 112  
Monroe County Community College  
Monroe, MI 48161  
Phone: 734.384.6090  
E-mail: [monroe@emich.edu](mailto:monroe@emich.edu)

EMU-Traverse City  
NMC University Center  
2200 Dendrinos Drive, Suite 200-M  
Traverse City, MI 49684  
Phone: 877.368.8289  
E-mail: [traverse.city@emich.edu](mailto:traverse.city@emich.edu)

Washtenaw County  
Eastern Michigan University  
101 Boone Hall, Suite 200-P  
Ypsilanti, MI 48197  
Phone: 734.487.0407  
E-mail: [extended.programs@emich.edu](mailto:extended.programs@emich.edu)

## EMU-Online

**Phone: 734.487.0407**  
**E-mail: [emuonline@emich.edu](mailto:emuonline@emich.edu)**

When you're ready to learn, EMU is ready to teach. Online courses make it easy for you to learn around your schedule, in a location convenient for you. A wide range of courses are available online as an alternative to attending class on campus. They've been developed by EMU faculty and meet the same high standards as on-campus offerings. The course offerings and registration information are available at [www.emuonline.edu](http://www.emuonline.edu).

## Independent Learning

**Phone: 734.487.0407**  
**E-mail: [emuonline@emich.edu](mailto:emuonline@emich.edu)**

Satisfy general education requirements and earn college credits through self-paced instructional courses via EMU's Independent Learning program. You may register at any time, and you have up to six months to complete coursework. You'll receive instructional tapes, study guide and book lists to begin your lessons. Professors are available for consultation and to grade assignments that you send through regular mail or fax. There are proctored examinations for each course.

## Prior Learning Assessment

Receive up to 30 hours for learning you've gained outside the classroom - including seminars, training completed on the job and knowledge acquired independently in a particular field. Through Prior Learning Assessment, you'll identify and analyze learning, document your experience, match the learning to EMU courses and compile a written portfolio to submit for evaluation. Credits earned through portfolio-assisted prior learning may be applied toward any degree for which they are appropriate. Students seeking credit for prior learning must attend a free required workshop.

## One-Week Courses

Earn credit during EMU's winter break by taking a one-week course offered in northern Michigan.

EMU-Winter Break  
Phone: 877.368.8289

E-mail: [winter.break@emich.edu](mailto:winter.break@emich.edu)

Earn credit during the spring and summer by taking a one-week course offered on the campus of Northwestern Michigan College in Traverse City.

EMU-Traverse City

Phone: 877.368.8289

E-mail: [traverse.city@emich.edu](mailto:traverse.city@emich.edu)

## Professional Programs and Training

**Barbara L. Hopkins, director**

**Phone: 734.487.2259 or 800.932.8689**

**E-mail: [bhopkins@emich.edu](mailto:bhopkins@emich.edu)**

Extended Programs and Educational Outreach's Professional Programs and Training offers programs and services for working individuals seeking professional development, ongoing educational opportunities, executive development, workshops and special events of interest to the EMU community and beyond. For a complete list of professional programs and training opportunities, visit [extended.emich.edu/ppat](http://extended.emich.edu/ppat).

### Professional Certificates, Training and CEUs

Professional societies and organizations develop programs and award certificates to encourage members to update their knowledge and skills. The CEU (Extended Programs and Educational Outreach Unit) is a national standard of measurement to recognize participation in a wide range of organized non-credit educational activities (conferences, seminars, workshops, etc.) in all fields. Opportunities for CEUs, certificates and training include:

- Michigan State Board - Extended Programs and Educational Outreach Units (SB-CEUs)
- Certified Financial Planning
- Certificate in Information Security Systems
- SHRM Human Resource courses and certificates
- American Payroll Association courses
- Specialist Certificates in Occupational Health and Safety
- Specialist Certificates in Quality Management
- Six Sigma Green and Black Belt certification
- Online test preparation workshops

## Centers for Corporate Training

- Center for Quality
- Center for Organizational Risk Reduction
- OSHA Training Institute

Web sites: [www.centerforquality.org](http://www.centerforquality.org) and [www.emuosha.org](http://www.emuosha.org)

The Centers for Corporate Training are nationally known for designing and providing a wide range of training, technical assistance and consulting services for hundreds of companies each year in health, safety, security and quality. Our clients include automotive and non-automotive manufacturers and their suppliers, plastics and electronics producers, the construction industry, healthcare providers and government agencies.

Each of the centers works, in its own way, to help individuals and organizations reach and maintain excellence. We are dedicated to helping companies not only survive but prosper during rapid organization, technological and economic change. We meet our customers where they are, providing on-site instruction and facilitation to help create efficiencies and help them become more

effective for their customers.

By developing customized programs, innovative training and effective, practical consulting, the centers support organizations as they improve the quality of their products, the productivity of their processes and the safety of their workplaces. Our partners are workers, supervisors, managers and executives who will create and succeed in the global marketplace.

The Centers for Corporate Training have served thousands of people in hundreds of companies in North America, Asia, Europe and South America, providing innovative education and training programs around the globe.

## The Professional Education Center

Web site: [www.emich.edu/public/cob/pec/index.htm](http://www.emich.edu/public/cob/pec/index.htm)

Today's business challenges require organizations to provide innovative and applied training and development programs. The Professional Education Center (PEC) in the College of Business at Eastern Michigan University provides customized technical and leadership training programs to help businesses and individuals meet challenges and build technical and leadership skills. Students benefit from training and professional coaching from EMU's world-class College of Business and external instructors and consultants.

The PEC tailors training programs to meet your unique organizational challenges, bringing innovative and applied programs to the workplace. We can bring to your organization programs to enhance management and business skills and to support leader development, including:

- Management Certificate Program – Developing the Leader in You Workshop series
- Emotional Intelligence and Leadership
- The “Mini MBA” – a non-credit program for non-business professionals
- Business Skills – Finance, Marketing, Statistics, Business Communication
- Project Management – Introduction and Certificate Programs
- Biz World 101- for new business professionals

## Academic Programs Abroad

**George Klein, director**

**Address: 103 Boone Hall**

**Phone: 734.487.2424 or 800.777.3541**

**Fax: 734.487.4377**

**E-mail: [programs.abroad@emich.edu](mailto:programs.abroad@emich.edu)**

**Web site: [www.emich.edu/abroad](http://www.emich.edu/abroad)**

In today's interconnected world, a global perspective is increasingly important and valuable for all students. The Office of Academic Programs Abroad provides opportunities for EMU students to internationalize, diversify and enrich their University education through a variety of study abroad programs, including winter break, spring and summer, intensive language immersion, and exchanges and other semester and academic year opportunities. Some programs offer graduate credit.

### Abroad Student Services

The Office of Academic Programs Abroad provides EMU students with:

- Comprehensive study abroad advising
- Study Abroad Orientation
- Health and safety information
- International student identity cards

- International health insurance
- Financial aid coordination and scholarship advice
- Innovative and affordable study abroad programs

In addition to EMU programs, the Office of Academic Programs Abroad maintains a library of information on hundreds of study abroad programs sponsored by universities all over the world. Students may browse the library and make appointments for advising Monday through Friday throughout the school year. Information on EMU programs abroad can be found at [www.emich.edu/abroad](http://www.emich.edu/abroad).

## Winter Break Programs

EMU students earn credit while studying abroad with EMU faculty during the break from campus. Classes are scheduled midway through the winter semester. Recent programs include:

- Art in Mexico
- Hospitality Management in London and Paris
- British Studies in London
- Power, Place and Image in Florence and Rome
- Art and History in Prague and Munich

## Spring and Summer Programs

- The Cultural History Tours are unique travel-study programs that visit multiple countries throughout Europe and Asia. Five- and 10-week programs are offered. Students and professors study major historic and cultural sites while pursuing in-depth academic work in an interdisciplinary context. Since their beginnings in 1974, the Cultural History Tours have become a leader in innovative travel-study abroad, drawing students from EMU as well as other colleges and universities. The Emanuel Fenz Endowed Fund provides a competitive scholarship available to EMU students with financial need, applicable to either the Cultural History Tours or Adventures Abroad programs.
- Adventures Abroad Programs are short-term, low-cost travel-study tours that offer EMU students the opportunity to travel with EMU faculty to Europe or the Mediterranean while earning three credits in literature, art or another discipline. The Adventures Abroad program is a short-term module embedded within the longer Cultural History Tours. Students with financial need may apply for the Emanuel Fenz Scholarship applicable to this program.
- Other spring and summer programs: EMU students may choose from a variety of travel and residence programs that carry credit in such fields as art, biology, business, community practice, education, history and political science. EMU faculty-led programs include such destinations as Ecuador and the Galápagos Islands, Mexico and the Americas, Europe and Asia. Several spring and summer programs are three weeks or less and designed to be especially affordable for EMU students.

## Summer Intensive Language Programs

Intensive French, Spanish, German and Japanese language programs are available in France, Mexico, Spain, Germany, and Japan, respectively, in settings of cultural immersion. Faculty coordinates additional instruction and provides supervision and cultural exercises. All levels of instruction are available. These programs are offered in cooperation with the Department of World Languages.

## Semester/Year Exchange Programs

Eastern Michigan University students may attend one of our Exchange Partner schools for one or two semesters for a cost equivalent to that of Eastern Michigan University. Students pay for EMU tuition and fees, plus a modest program fee. The courses taken appear on the EMU transcript as EMU courses. Students may select courses to count towards a major, minor, general education or elective credit.

- United Kingdom exchanges include University of Derby, England, and Oxford-Brookes University, England.

- Other exchange programs include:
  - University of Groningen, Netherlands (English-language courses offered)
  - ESIDEC - Metz, France
  - Karlsruhe University, Germany
  - Reutlingen University of Applied Sciences, Germany
  - Kansai Gaidai University, Japan
- Business majors at EMU may participate in the Regional Area Mobility Program (RAMP) during fall and winter semesters. Courses are taught in the language of the host institution: Spanish at Mexican Universities; English or French at Canadian Universities. Proficiency in the relevant language is required.
- The Japan Center for Michigan Universities (JCMU) in Hikone, Japan, offers Japanese Language and Culture courses open to all majors; no prior knowledge of Japanese is required.
- Affiliated programs include Curtin University of Technology, Australia; Université Catholique de l'Ouest, France.

# Co-Curricular Programs

Co-curricular programs are programs that “complement, but are not a part of the regular curriculum.” Eastern Michigan University offers many of these opportunities for students.

- **Academic Service-Learning** A teaching and learning strategy that integrates meaningful community service with instruction and reflection as a means for helping students gain a deeper understanding of course objectives, acquire new knowledge and engage in civic activity.
- **The Nonprofit Leadership Alliance Program.** Designed for students from all majors and minor interested in being involved in the community, NLA provides students with a National Certification in Nonprofit Management and Leadership and the corresponding Certified Nonprofit Professional (CNP) credential. By meeting the ten core NLA competencies our students are well prepared for successful careers in the nonprofit sector. The link to the NLA program is [www.emich.edu/nonprofit](http://www.emich.edu/nonprofit)



# Policies Affecting You at EMU

Click on a link to be taken to the entry below.

- Notification of Student Rights under FERPA
- Applicable Laws for Americans with Disabilities
- Residence Hall Eligibility Policy
- EMU Policy on Sexual Harassment
- Grade Grievance Procedure for the EMU Community
- Class Attendance Policy Works for You
- Student Involuntary Administrative Withdrawal
- Student Conduct Code and University Disciplinary Process
  - Section I: Purpose
  - Section II: Responsibility for Implementation
  - Section III: Jurisdiction
  - Section IV: Definitions
  - Section V: Violations
  - Section VI: Sanctions for Misconduct
  - Section VII: Organization of the University Judicial System
  - Section VIII: Rights of Charged Student(s)/Student Organizations in Disciplinary Proceedings
  - Section IX: University Disciplinary Procedures
  - Section X: Special Disciplinary Provisions Governing Acts of Academic Dishonesty
  - Section XI: Special Provisions Governing the University Recognition and Conduct of Greek Letter Social Organizations
  - Section XII: Interim Suspensions and Other Interim Sanctions
  - Section XIII: Emergency Powers of the President
  - Section XIV: Student Disciplinary Files and Records
  - Section XV: Review of the Student Judicial System
- University Alcohol and Other Drug Policy
- EMU Policy on Notification to Parents of Drug and Alcohol Violations
- Tobacco Use Policy
- Acceptable Use of Information Technology Resources

In this section you will find the FERPA law, the Student Code of Conduct, the EMU Alcohol and Other Drug Policy, the Tobacco Use Policy, the Student Involuntary Administrative Withdrawal Policy, the Grade Grievance Procedures, Class Attendance Policy, the EMU Policy on Sexual Harassment and the Residence Hall Eligibility Policy.

These policies will not only serve as an important reference during your University experience, but they will also help you as a student to make informed choices.

## Notification of Student Rights under FERPA

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. They are:

1. **The right to inspect and review the student's education records within 45 days of the day EMU receives a request for access.**
2. Students should submit to Eastern Michigan University's Office of Records and Registration written requests that identify the record(s) they wish to inspect. A University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

3. **The right to request the amendment of the student's education records that the student believes are inaccurate or misleading.**

Students may ask the University to amend a record that they believe is inaccurate or misleading. They should write the University official responsible for the record, clearly identify the part of the record they want changed and specify why it is inaccurate or misleading.

If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

4. **The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent.**

One exception which permits disclosure without consent is disclosure to school officials with legitimate education interests. A school official is a person employed by EMU in an administrative, supervisory, academic, research or support staff position (including law enforcement unit personnel and health staff); a person or company with whom EMU has contracted (such as an attorney, auditor or collection agent); a person serving on the Board of Regents; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks.

A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility.

Upon request, the University discloses education records without consent to officials of another school in which a student seeks or intends to enroll. The University may, without the student's permission, release certain information to parents or guardians of students under the age of 21 found responsible for violating any law, rule or University policy pertaining to drugs or alcohol.

EMU has designated the following items as directory information and these items may be included in publications or disclosed upon request without consent: the student's name; address; telephone listing; electronic-mail address; date and place of birth; major field of study; participation in recognized activities and sports; weight and height of members of athletic teams; dates of attendance; degrees and awards received (including, but not limited to, the Dean's List); and the most recent previous educational agency or institution attended by the student.

EMU reserves the right to make directory information public unless a student's written objection (specifying the category of information not to be made public without prior consent) is filed at the Office of Records and Registration within 14 days after each term begins.

Students who do not want to be included in the annual EMU Student Directory should either complete a directory exclusion card or request directory exclusion through the touch tone registration system (734.487.3309) by Sept. 15. Cards can be picked up from University Publications, Campus Life, Office of Records and Registration, University Advising and Career Development Center, Office of Admissions or a residence hall information desk. They must be turned in by September 15 to Public Information, 18 Welch Hall. Requesting directory exclusion will remove your name, address and phone number from the current and subsequent telephone directories.

5. **The right to file a complaint with the U.S. Department of Education concerning alleged failures by EMU to comply with the requirements of FERPA. The name and address of the office that administers FERPA is:**

Family Policy Compliance Office  
U.S. Department of Education  
400 Maryland Ave. SW  
Washington, D.C. 20202-4605

## **Applicable Laws for Americans with Disabilities**

### **1973 Vocational Rehabilitation Act, Section 504**

Colleges and universities nationwide have been protecting the rights of students with disabilities since the 1973 Vocational Rehabilitation Act, specifically Section 504, which states:

No otherwise qualified handicapped individual in the United States shall, solely by reason of handicap, be excluded from the participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving federal financial assistance.

## **Americans with Disabilities Act (ADA)**

Unlike Section 504 of the Rehabilitation Act, the ADA applies to employers, public services, public accommodations, communication providers and transportation providers regardless of whether they receive or benefit from federal funding.

The ADA defines a person with a disability to mean a person who: (1) has a physical or mental impairment that substantially limits one or more major life activities; (2) has a record of such an impairment; or (3) is regarded as having such an impairment.

The ADA provides coverage in five different areas:

Employment  
Public services/transportation  
Public accommodations/transportation  
Telecommunications  
Miscellaneous

## **Residence Hall Eligibility Policy**

### **Policy Statement**

All first year unmarried students shall be required to live in University residence halls, contingent on space availability. Sophomore students may be required to live on campus as well, space permitting. Exceptions may be granted to students who are:

- a. commuting from the permanent home of their parents/guardian;
- b. 21 years of age or older; or
- c. veterans who have served on active duty.

All students living in University residence halls assume responsibility for their own hours.

### **University Practice**

Occupancy in a University residence hall is restricted to currently enrolled students at Eastern Michigan University. Occupants other than currently enrolled Eastern students are allowed on an exception basis. However, priority will be maintained for current Eastern students. Each resident is required to make application and sign a contract for the appropriate term. As such, the resident agrees to make the designated prepayment and agrees to the payment of fees as established for the term(s) of occupancy according to the current payment schedule. Additionally, the residents are responsible for compliance with all terms and conditions set forth in the contract and the Residence Hall Handbook.

### **Responsibility for Implementation**

Housing management staff is responsible for implementing this policy and for granting waivers in a fair and consistent manner

within policy guidelines.

## **Scope of Policy Coverage**

This policy shall apply to first year and sophomore students.

## **EMU Policy on Sexual Harassment**

The University's Mission Statement and accompanying Institutional Values and Guiding Principles reflect our collective commitment to providing an environment that positively affects the lives of all individuals who are part of the EMU community. The University's Sexual Harassment Policy affirms our shared values and responsibility to respect all individuals, and prohibits any member of the University community from engaging in sexual harassment activities that demean or diminish an individual in any way. Such activity is prohibited by law and by this policy. The rights and responsibilities inherent in this policy apply to all employees, students, guests and outside contractors. One of the strengths of Eastern Michigan University is that we value and respect human dignity and the rights of all people. Each of us shares the responsibility for ensuring that sexual harassment will not be tolerated and that we strictly adhere to the tenets of this policy. Copies of the policy and procedures are posted on the web sites of the Office of Diversity and Affirmative Action, the Office of Student Conduct and Community Standards, Human Resources and the Office of the Assistant Vice President for Academic Affairs.

## **Policy on Sexual Harassment**

It is the policy of Eastern Michigan University to provide an educational, employment and business environment free of unwelcome sexual advances, requests for sexual favors and other verbal or physical conduct or communications constituting sexual harassment, as defined and otherwise prohibited by state and federal statutes.

## **Prohibited Acts**

No member of the University community shall engage in sexual harassment. Persons who engage in sexual harassment are subject to disciplinary action, up to and including dismissal for employees and/or suspension or dismissal for students. Sexual harassment is defined as unwelcome advances, requests for sexual favors or other behavior of a sexual nature when:

- Submission to such conduct is made explicitly or implicitly a term or condition of an individual's employment or status in a course, program or activity.
- Submission to, or rejection of, such conduct is used as a basis for a decision affecting an individual's employment or participation in a course, program or activity.
- Such conduct has the purpose or effect of unreasonably interfering with an individual's work or performance in a course, program or activity, or of creating an intimidating, hostile or offensive environment in which one engages in employment, a course, a program or an activity.

## **Confidentiality**

To the extent permitted by law, the confidentiality of each party involved in a sexual harassment investigation, complaint or charge will be observed, provided it does not interfere with the University's ability to investigate the allegations or take corrective action.

## **Examples of Sexual Harassment**

- Physical assault
- Threats or insinuations which cause the victim to believe that sexual submission or rejection will affect his/her reputation, education, employment, advancement, or any conditions which concern the victim's standing at the University.
- Direct propositions of a sexual nature
- Subtle pressure for sexual activity, an element of which may be conduct such as unwelcome sexual leering
- Conduct (not legitimately related to the subject matter of the work, course, program, or activity in which one is involved) intending to or having the effect of discomforting and/or humiliating a reasonable person at whom the conduct is directed. This may include, but is not limited to, comments of a sexual nature or sexually explicit statements, questions, jokes or anecdotes, and unnecessary touching, patting, hugging or brushing against a person's body. Depending upon the circumstances, any of the above types of conduct may be sexual harassment and subject to disciplinary action, even if that conduct only occurs once.

## **Consensual Sexual Relationships:**

### **Professor and student:**

The ideal professor demonstrates respect for students as individuals and serves as students' mentor, intellectual guide and model of honest academic conduct. The professor acts to ensure academic evaluations of students that reflect each student's true merit. He or she respects the confidential nature of the relationship between professor and student and avoids all forms of exploitation, harassment and discriminatory treatment of students.

Sexual relations (which includes contact of a sexual nature) or requests for sexual relations between students and faculty members with whom they also have a current instructional or evaluative relationship are fraught with the potential for exploitation and must be avoided, and are prohibited. The respect and trust accorded a professor by a student, as well as the power exercised by the professor in an instructional or evaluative role, make voluntary consent by the student suspect. In their relationships with students, members of the faculty are expected to be aware of their professional responsibilities and to avoid apparent or actual conflict of interest, favoritism or bias.

## **Seeking Assistance for Filing a Complaint**

Students, faculty and staff who believe they are the victims of sexual harassment may seek information and assistance from the Office of Student Conduct and Community Standards (250 EMU Student Center), Jesús Hernández, director, 734.487.2157, or the Diversity and Affirmative Action Office (140 McKenny Hall), 734.487.1166. If the student, faculty member or staff member wishes to file a complaint, she/he may take the following action(s):

- If the alleged harasser is a staff or faculty member, the affected individual(s) may contact the Diversity and Affirmative Action Office (140 McKenny Hall).
- If the alleged harasser is a student, the affected individual(s) may contact the Office of Student Conduct and Community Standards (250 EMU Student Center).

Note: EMU has the obligation to investigate all complaints of sexual harassment.

## **Seeking Assistance Outside of the University**

Persons who believe they are the victims of sexual harassment may also seek assistance from: the Equal Employment Opportunity Commission, or the Michigan Department of Civil Rights.

## **Awareness**

Members of the University community are responsible for knowing and understanding the University's policy prohibiting sexual harassment. Students who do not understand the policy should contact the Office of Student Conduct and Community Standards at 487.2157. Faculty and staff who do not understand the policy should contact their department head or director. Department heads or directors who need assistance in understanding, interpreting or applying the policy should contact the Diversity and Affirmative Action Office at 487.1166. Persons who make false allegations subject themselves to the possibility of disciplinary action.

## **If You Are Accused of Sexual Harassment**

You will have an opportunity to hear and respond to the charges brought against you. All situations are treated as confidential matters to the extent permitted by law. Judgments are not made nor action taken until the investigation is complete. Employees represented by collective bargaining agents may enlist assistance from their union as necessary.

# **Grade Grievance Procedure for the EMU Community**

## **Timeline for Steps in the Grade Grievance Procedure**

(This timeline is derived from appropriate sections in the Grade Grievance Procedure. The page number from which it is taken is underlined in parentheses following each item.)

### **Step I**

- The student must contact the instructor within ten (10) working days after the start of the following semester: i.e., the semester following the one in which the disputed grade was given.

### **Step II**

- A written grievance must be filed within twenty (20) working days after the start of the next semester following the one in which the disputed grade was given.
- Within ten (10) working days after receipt of the written grievance, the department head must schedule a hearing before the Department/College Grievance Committee.
- The Committee hearing shall be open unless the student or instructor requests a closed hearing. This request should be conveyed in writing to the department head prior to the hearing . . . . (After the hearing) The committee will meet in executive session and will present its findings, in writing, to the department head within ten (10) working days.
- The department head will forward the committee's written decision to the student and the instructor within five (5) working days of this committee's decision/recommendation.

### **Step III**

- Either the instructor or the student grievant may submit a written appeal of the prior decision at Step II by the Department/College Grade Grievance Committee within ten (10) working days of written receipt of that decision, if at least one of three conditions is met:

1. The Office of the Provost determines that there is evidence that established procedures for Step II were violated; or
  2. There was at least one dissenting vote at the Step II level; or
  3. New evidence or new witnesses not previously considered or heard at Step II become available.
- Within twenty (20) working days of the receipt of the appeal, the University Grade Grievance Committee shall issue a written Step III decision to both the instructor and the student.

## **A. Introduction**

The Grade Grievance Procedure provides each student with the opportunity to appeal formally a final grade in a course because he or she believes that the grade has been awarded capriciously or unfairly. Capricious or unfair-grading may include but is not limited to the assignment of a course grade to a student: (1) on some basis other than relevant performance in the course; (2) by resorting to standards different from those which were applied to other students in that course; or (3) by an unreasonable and/or unannounced substantial departure from the instructor's previously articulated standards.

This procedure is not intended to handle disputes that may arise about the grading of individual exams or assignments during the semester. When such disputes arise, the student should contact the instructor immediately, rather, than waiting until the end of the semester. Class action grievances by one student on behalf of several students or an entire class are not permitted.

## **B. Step I**

If a student wishes to appeal a final grade, the student must contact the instructor within ten (10) working days after the start of the following semester: i.e., the semester following the one in which the disputed grade was given (see General Notes #3, p. 9, for the spring-summer policy). If the instructor is teaching on campus the next semester, but is temporally unavailable or simply cannot be reached during this ten-day period, then the student should deliver a written request for an appointment with him/her, stating the reason, to the department head no later than the ten (10) day period. With the aid of the department head in scheduling an appointment, the instructor and the student must then meet as soon as possible and discuss the disputed grade privately. In the event that the department head has difficulty in assisting the student in scheduling the appointment, a detailed written record of communication or attempts to communicate between the department head and the instructor will be maintained by the department head. Whenever possible, conflicts over grades should be resolved informally between the instructor and the student as a result of this Step I discussion.

If the instructor has left the University permanently, or is not available for a period of sixty (60) days or more (e.g., if the instructor is away on a sabbatical leave, medical leave; or in his/her "off semester" on a Plan C appointment), then the department head shall act on his/her behalf and make a decision either in support of or against the grievance. In making this decision, the department head shall review all available grade records, discuss the matter with the student, and with written consent of the student, request and evaluate within ten (10) working days a written statement by the instructor concerning the disputed grade, when possible. The department head cannot act in this manner on behalf of the instructor during the spring-summer period because the instructor is not teaching during either the spring or summer session, unless the disputed grade affects the student's plans to graduate that year.

## **C. Step II**

If the grade dispute is not resolved in Step I to the student's satisfaction and he or she still believes that the grievance has merit based on facts of the case, the student has the right to file a formal written grievance with the department head. In the written grievance, the student must indicate whether he/she requests that the case be heard by a Departmental or College Grade Grievance Committee. The department head will forward the written grievance immediately to the chairperson of the appropriate (Department or College) Grade Grievance Committee.

**Guidelines for filing a formal grievance are as follows:**

1. A grievance must be based on evidence that the instructor has been capricious and/or unfair in awarding a grade. The written grievance must describe specifically the perceived capricious or unfair action of the instructor. The student also should present all other evidence or documentation in support of his or her allegations. Disagreement with an instructor's judgment in and of itself is not a basis for a grievance, nor is disagreement with an instructor's grading standards, if such standards have been described in advance for the class, and have been applied fairly to all students in the class.
2. A written grievance must be filed within twenty (20) working days after the start of the next semester following the one in which the disputed grade was given.

Within ten (10) working days after receipt of the written grievance, the department head in consultation with the chairperson of the Department/College Grade Grievance Committee will schedule a hearing before the Committee. The department head cannot simply make a personal judgment that the grievance is without merit, and thus refuse to give it to the Department/College Grade Grievance Committee. However, after scheduling the hearing; the department head may request a closed three-person meeting in his/her office with just the instructor and the student, to discuss informally the disputed grade one final time. If either the instructor or the student refuses to attend such a meeting, the department head cannot require his/her attendance, and the grievance is then held as previously scheduled. If a closed meeting is held, the department head shall act only as a facilitator or a mediator. His/her role is restricted solely to promoting further discussion, not to imposing his/her judgment and/or making a decision in the case. If the dispute is resolved in this meeting, the written grievance shall be withdrawn and the scheduled hearing canceled. The student will provide written verification of withdrawal of the grievance to the instructor and department head at the conclusion of the meeting. If the dispute is not resolved, the grievance is then held as previously scheduled. In such cases, the department head shall not communicate his/her opinions/judgments regarding the grievance and/or the discussion at the closed meeting to the members of the Department/College Grade Grievance Committee.

The Department Grade Grievance Committee shall be composed of three (3) faculty members and two (2) students. The faculty members shall be selected by appropriate department procedures. In undergraduate student grievances, the student representatives shall be selected from the list of representatives designated annually (no later than October 15 each year) by Student Government for each department in that particular college. In graduate student grievances, the student committee members must be graduate students. The graduate student representatives will be selected from the list of representatives designated annually (no later than October 15) by the Graduate School for each department in that particular college.

The College Grade Grievance Committee shall be composed of three (3) faculty members and two (2) students. One faculty person and one student must be from the department from which the grievance originated. The other faculty and student representatives must be from different departments within the college. The dean of the college in which the grievance originates will select the appropriate faculty and student representatives to serve on a particular grievance committee from the approved designated lists. The faculty approved to serve on the committee shall be designated by the College Council from a list of faculty submitted by each department by October 15 each year. In undergraduate student grievances, the student representatives shall be selected from the list of representatives designated annually (no later than October 15 each year) by Student Government for each department in that particular college. In graduate student grievances, the student committee members must be graduate students. The graduate student representatives will be selected from the list of representatives designated annually (no later than October 15) by the Graduate School for each department in that particular college.

The student grievant may, however, request in advance of the hearing in writing that the two (2) students be excused and that his or her grievance be heard only by three (3) faculty members.

This option applies regardless of whether the grievance is being heard by the Department or College Grade Grievance Committee. The committee shall conduct a hearing according to the following guidelines:

1. Prior to the hearing, any written information in support of either the student or the instructor shall be distributed to committee members by the department head. In addition, both the student grievant and the instructor shall be provided with copies of these same written materials. All available written information shall be presented at this time.
2. A detailed record shall be kept of the hearing, preferably a taped sound recording. If a written record is kept, that record shall be signed by the Grievance Committee asserting that the written record is a true record of the hearing proceedings.

Written or recorded records of any Step II grievance shall be kept on file in the college dean's office and copies shall be provided, upon request, to the student who has filed the grade grievance or the faculty member against whom the



grievance was filed. Costs associated with duplicating grade grievance records shall be borne by the individual(s) requesting copies.

3. The hearing shall be open unless the student or instructor requests a closed hearing. This request should be conveyed in writing to the department head prior to the hearing.
4. Both the student and instructor shall be permitted an adviser at the hearing. Advisers must be members of the University community, i.e., students in good standing or full-time faculty or staff members.
5. The Department/College Grade Grievance chair shall begin the hearing by beginning the tape recorder (or announcing the name of the person who will be taking minutes) and reviewing the guidelines and procedures under which the hearing shall be conducted.

The committee chair will then announce, "This Step Level II Grade Grievance Hearing is being held on (date). (Name of student) is grieving the grade of (grade) received during the (semester) in (class prefix, number, and section identification number) taught by (instructor). The following committee members are in attendance today: (members give their names)."

6. In order, the student and the instructor will present their cases. Both the student and the instructor may call witnesses, and the student, instructor, adviser(s), and committee members all have the right to question any witnesses that are called. The student and the instructor should be asked for brief closing statements.
7. The chair will then close the hearing with, "This Step Level II Grade Grievance Hearing is now concluded." The committee will meet in executive session and will present its findings, in writing, to the department head within ten (10) working days. The written decision/recommendations- will be signed by the members of the committee. The department head will forward the committee's written decision to the student and the instructor within five (5) working days of this committee's decision/recommendation.
8. If determined through the grievance process that a student's grade is to be changed, the following process will be used:
  - a. The Chair of the grade grievance committee will forward the committee's recommendation for the change of grade to the faculty member, Department Head and the student (grievant).
  - b. The faculty member shall have ten (10) working days from the issuance of the committee's recommendation to file a grade change or respond otherwise to the committee.
  - c. If the faculty member fails to change the grade or appeal the decision within the allotted time or notifies the committee of his/her intent not to comply with the recommendation to do so, the department head will file the grade change form in accordance with the committee's recommendation.
  - d. The student, faculty member, Department Head, and Grievance Committee Chairperson will receive copies of the completed grade change form.
9. Either the student or the instructor may appeal the decision/recommendations of the Department/College Grade Grievance Committee to the University Grade Grievance Committee under the conditions listed below. This appeal must be filed within ten (10) working days of receipt of the decision.

## **D. Step III**

Either the instructor or the student grievant may submit a written appeal of the decision at Step II by the Department/College Grade Grievance Committee within ten (10) working days of written receipt of that decision, if one of the following conditions is met:

1. The Office of the Provost determines that there is evidence that established procedures for Step II were violated; or
2. There was at least one dissenting vote at the Step II level; or
3. New evidence or new witnesses not previously considered or heard at Step II become available.

In the absence of 1, 2, or 3 above, simple disagreement with the decision rendered at Step II is not sufficient basis for an appeal. In other words, there is no automatic right of appeal in every case requiring that the University Grade Grievance Committee reconsider the entire grievance case. If the appeal is based on new evidence or new witnesses, the written appeal statement must explain precisely how this evidence or testimony relates directly to the alleged unfair or capricious awarding of the disputed grade. If said evidence or witnesses had been available prior to the Step II hearing, the hearing shall be remanded back to the Step- II departmental committee. Only newly discovered evidence and/or witnesses may be introduced at the Step- III hearing level (it shall be the responsibility of the petitioner to demonstrate that the evidence and/or witnesses were not available at Step II ).

The appeal shall be submitted to the provost or his/her designee with a copy to the dean of the appropriate college. The University Grade Grievance Committee shall be chaired by the provost or his/her designee and shall have the following additional members: the dean of the involved college or his/her designee; two (2) faculty members, one of whom is from the involved college, but not from the department in which the grievance originated; and one (1) student appointed by Student Government (in the case of undergraduate grievance) or by the Graduate School (in the case of graduate grievances). The two faculty members shall be selected by the provost or his/her designee from an available pool of nominees representing all colleges.

The University Grade Grievance Committee shall review all written documents that were available to the Department/College Grade Grievance Committee, the written or taped recording of the Step II hearing, and the final report and decision of the Step II Committee. The University Grade Grievance Committee may reconvene the participants in the Step II hearing to answer questions, if desired.

Within twenty (20) working days of the receipt of the appeal, the University Grade Grievance Committee shall issue a written Step III decision to both the instructor and the student. This decision shall be final; no further appeal is possible.

## **E. Records**

When the Grade Grievance Procedure results in an instructor's grade being changed without his or her agreement, then all University records containing that grade in which the name of the instructor appears shall be identified by an asterisk (\*). On these records, the asterisk will be footnoted with the following statement: "This grade is a result of an appeal procedure." On those records in which the instructor's name does not appear, the grade will not be asterisked, nor will there be any other indication that the original grade was changed.

## **F. General Notes**

1. The time limits/deadlines for submitting grievances/appeals, holding meetings, making decisions are to be followed by all parties. However, extensions of the limits may be requested in writing by any of the involved parties. Such requests must originate prior to the expiration of the stated time limit. The dean of the involved college will make the decision to approve or to deny each request for a time limit extension at Step I or Step II. Decisions regarding Step III time limit extensions will be made by the Office of the Provost.
2. For Department Grade Grievance Committees, each academic department shall select the faculty members for the Department Grade Grievance Committee annually by October 15. The committee will hear all Step II grade grievances during the next twelve months in cases where the student requests the hearing at the departmental level. Substitute members shall be selected to replace any committee member who is personally involved in a grade grievance. Also, substitute members shall be selected to replace any faculty member who is unavailable for an extended period of time (e.g., spring and/or summer). For College Grade Grievance Committees, annually by October 15, each academic department shall select faculty members to serve on the College Grade Grievance Committee (at least one person to serve as a regular member of the Committee and one as an alternate). The Committee will hear all Step II grade grievances during the next twelve months in cases where the student requests the hearing at the college level. Substitute members shall be selected to replace any committee member who is personally involved or has a conflict of interest in a grade grievance. Also, substitute members shall be selected to replace any faculty committee member who is unavailable for an extended period of time (e.g., spring and/or summer, sabbatical, etc.).
3. Each college shall select two (2) faculty members plus one (1) alternate who are available during a twelve-month period for assignment to the Step III University Grade Grievance Committee. These selections shall be made by the

appropriate college-level faculty advisory council/committee at the beginning of the academic year (by October 15). Unlike the Department/College Grade Grievance Committee, this Step III University Grade Grievance Committee may, of necessity, have a different membership for each grievance.

Grievances relating to grades awarded for the winter semester ending in April or for the Spring term ending in June shall normally be pursued the next fall, measuring all stated deadlines with respect to the start of the fall semester in September. However, if the instructor is teaching on campus during the spring or summer session and the student is enrolled on campus during the same session, then with their mutual agreement, the grievance can be pursued during the spring or summer. However, should either the instructor or the student prefer to wait, then action of the grievance will be postponed until the fall semester. The only exception in which the grievance shall be pursued during the spring or summer session without the consent of the instructor who is teaching on campus is for any case in which the disputed grade affects the student's plans to graduate that year. In such cases, if the instructor is unwilling to participate, the department head may act on his/her behalf.

4. Throughout this procedure, the title "department head" shall be interpreted to include program directors or program coordinators for appropriate academic units in which there is no administrator with the title of "department head."

## **Class Attendance Policy Works for You**

### **Students**

Regular class attendance and active participation in classes are important elements in the learning process. Students are at the University primarily for the sake of their intellectual growth and development. Attendance and participation provide appropriate opportunities for the evaluation of the student's progress.

Each student is personally responsible for the satisfactory completion of the course work prescribed by his/her instructors. This means specifically that he/she is expected to attend classes regularly, and that he/she is responsible for the work assigned in class, the material covered in class and for participation in class activities (including discussion and listening) designed by the instructor as part of the learning experience. However, physical attendance shall not be the sole criterion for determining the student's course grade.

### **Faculty**

Faculty members should notify their department heads when they are going to be absent from regularly scheduled classes. Written notification of circumstances causing prolonged absences should be sent to the dean of the college. Faculty members are expected to arrange, through their department head, for a qualified substitute when they are absent from class.

### **Cancellation**

Classes may be cancelled by the Office of the President through the Office of the Vice President for Academic Affairs. Off-campus classes are cancelled only by the dean of Extended Programs and Educational Outreach.

### **Changes**

Faculty may not change the time or room of a class printed in the University class schedule unless the change is approved by the department head and the dean of the college.

### **At the End of the Semester**

Classes are taught through the last teaching day of the semester as indicated in the University calendar.

## Near Holidays

Students are expected to attend all classes, and faculty members are not permitted to cancel classes or excuse students prior to any holiday.

## Student Involuntary Administrative Withdrawal

It is the policy of Eastern Michigan University to establish a Student Involuntary Administrative Withdrawal Policy for the purpose of maintaining a campus environment that is conducive to learning, protects the university's educational purposes, maintains reasonable order on campus, and protects the rights and safety of all members of the university community. The University may order the involuntary withdrawal of a student from the University or from University Housing in accordance with University policy, as described in the full text of this policy.

## Standards for Withdrawal

In accordance with university policy, and applicable federal and state laws prohibiting discrimination based on disability, a student may be involuntarily withdrawn from the University and/or University Housing, either temporarily or permanently, if it is determined that a student suffers from a mental disorder as defined by the current American Psychiatric Association Diagnostic and Statistical Manual, and as a result of the disorder:

- Engages, or threatens to engage, in behavior which poses a danger of causing physical harm to self or others, and/or
- Engages, or threatens to engage, in behavior which would cause significant property damage, which directly and substantially impedes the lawful activities of other members of the University, and/or
- Demonstrates an inability to satisfy personal needs (e.g., nourishment, shelter) such that there is a reasonable possibility that serious physical harm or death might occur within a short period of time, and/or
- Commits a violation of the University's Student Conduct Code and lacks the capacity to comprehend and participate in the University's disciplinary process, and/or
- Commits a violation of the University's Student Conduct Code and did not understand the nature or wrongfulness of the conduct at the time of the offense.

The full Student Involuntary Administrative Withdrawal Policy, including procedures, is available at the Student Judicial Services website ([www.emich.edu/studentconduct](http://www.emich.edu/studentconduct)). For more information, visit Student Conduct and Community Standards in 250 Student Center, or by phone at 734.487.2157.

## Student Conduct Code and University Disciplinary Process

It is the policy of Eastern Michigan University to establish a student conduct code, to be administered by the Office of Student Judicial Services, for the purpose of maintaining a campus environment that is conducive to learning, protects the university's educational purposes, maintains reasonable order on campus, and protects the rights of all members of the University community. The Eastern Michigan University Student Conduct Code and the accompanying student disciplinary processes are intended to foster ethical development, personal accountability and civility toward others.

### UNIVERSITY PRACTICE

The Student Conduct Code, below, outlines the practices to be utilized in administering the student disciplinary system at Eastern Michigan University.

### Section 1: Purpose

In support of the overall goals of Eastern Michigan University, the purpose of the Student Conduct Code, administered by the Office of Student Judicial Services, is to maintain a campus environment that is conducive to learning, protects the university's educational purposes, maintains reasonable order on campus, and protects the rights of all members of the University community. The Student Conduct Code and the accompanying student disciplinary processes are intended to foster ethical

development, personal accountability and civility toward others.

The Code embraces several core philosophies: preservation of the rights of free speech and peaceable assembly; respect for freedom of inquiry and constructive criticism; a conviction that honesty and integrity are key values to the University community; and the belief that all members of the University should be part of a campus environment that respects differences of culture, gender, religion, race, age, lifestyle, or ability.

## **Section II: Responsibility for Implementation**

The President, as Chief Executive Officer of the University, has overall responsibility for implementation of the Student Conduct Code and the student disciplinary process and has delegated its overall management to the Vice President for Student Affairs and the Director of the Office of Student Conduct and Community Standards. The Office of Student Conduct and Community Standards is directly responsible for the daily administration of the University's Student Code of Conduct.

## **Section III: Jurisdiction**

The University will have jurisdiction over misconduct that occurs on University premises and/or at University-sponsored activities but may also address off-campus behavior if the University determines that the behavior, or the continued presence of the student, impairs, obstructs, interferes with or adversely affects the mission, processes or functions of the University.

A student committing a criminal offense off-campus that is also a violation of the Student Conduct Code may be subject to University discipline.

The University may pursue disciplinary action against a student at the same time the student is facing criminal charges for the same offense, even if the criminal prosecution is pending, has been dismissed or the charges have been reduced.

## **Section IV: Definitions**

A. For purposes of the Student Conduct Code only, the following definitions apply:

1. FACULTY MEMBER means any person hired by the University to conduct classes.
2. INSTITUTION or UNIVERSITY means Eastern Michigan University.
3. MEMBER OF THE UNIVERSITY COMMUNITY includes any person who is a student, faculty member, University official or any other person employed by the University.
4. STUDENT includes all persons enrolled for courses through or at EMU, both full-time and part-time, and those who attend educational institutions other than EMU but who reside in EMU residence halls. Persons who are not officially enrolled for a particular term but whose EMU record indicates a continuing relationship with the University are considered "students." Persons who have been accepted into EMU but have not yet enrolled for courses are considered "students."
5. STUDENT GROUP means a number of students who are associated with each other and have not complied with University requirements for registration as an organization.
6. STUDENT IN GOOD STANDING means a student who is in good academic standing AND who is not presently under any University disciplinary sanctions.
7. STUDENT ORGANIZATION means a number of students who have complied with University requirements for registration and/or recognition.
8. UNIVERSITY PREMISES includes all land, buildings, facilities, and other property in the possession of or owned, used, or controlled by the University.
9. UNIVERSITY SPONSORED ACTIVITY means any activity on or off campus, which is initiated, aided, authorized or supervised by the University.

## **Section V: Violations**

The following behavior is subject to disciplinary action under this Code. An individual, a group of individuals or a student organization may be charged with any of the violations. In cases where a violation is committed by an individual member of a student organization, the entire organization may be held responsible, in addition to the individual member, when those members not directly involved participate in the activity by encouraging, witnessing or condoning the act in any manner.

## A. Academic Dishonesty

Engaging in academic dishonesty in any form with respect to examinations, course assignments, research projects, grades, and/or academic records, including, but not limited to the following:

1. **Cheating** - using or attempting to use unauthorized materials, information or study aids in any academic assignment. Examples of cheating are: looking on someone else's paper; using any kind of "cheat" sheet or other enhancement during a test; allowing someone else to take an exam in your place; submitting the same work more than once for credit; using someone else's homework or lab assignments; collaborating with another student on any assignment or take-home test if told that collaboration was not allowed; assisting another student in committing an act of academic dishonesty by allowing another student to copy homework or an exam; taking an exam for someone else; or giving test information to students in other sections of the same class.
2. **Falsification** - intentional and unauthorized falsification or invention of any information or citation in an academic assignment. Examples of falsification are: making up data on an assignment; making up a source to cite in a paper; altering then resubmitting returned academic work; giving false information to a faculty or staff member to increase one's grade; or attempting to change, actually changing, altering grades or any other unauthorized tampering with grades.
3. **Plagiarism** - deliberate and knowing use of someone else's work or ideas as one's own. Examples of plagiarism are: quoting a source verbatim, or paraphrasing text from a given source, without properly citing the source; turning in a research paper that was written by someone else; or in any other way passing off someone else's work as one's own; or failing to give credit for ideas or materials taken from someone else.

## B. Alcohol Violations

1. Possession or consumption of alcoholic beverages by persons under the legal drinking age as defined by Michigan law.
2. Dispensing, selling or supplying alcoholic beverages to a person under the legal drinking age as defined by Michigan law.
3. Possession or consumption of alcoholic beverages in violation of federal, state and local laws.

NOTES:

1. Transportation in sealed containers to and from an authorized area or place is permissible if the person in possession is of legal age to possess alcoholic beverages as allowed by Michigan law.
2. Use of alcohol and controlled substances by Greek Organizations is covered under Student Conduct Code Section XI: Special Provisions Governing the University Recognition and Conduct of Greek Letter Social Organizations." Those provisions should be used to address alcohol violations committed by a Greek organization.

## C. Computer Misuse

1. Unauthorized access, entry or use of a computer, computer system, network, software, password, account or data.
2. Unauthorized alteration or tampering with computer equipment, software, network, or data.
3. Unauthorized copying or distribution of computer software or data.
4. Use of computing facilities or equipment to send obscene, harassing or abusive messages.
5. Use of computers to falsify records, tamper with records or commit any act of academic dishonesty.
6. Any other act in violation of law and/or University policies and guidelines regulating computer-related use.

## D. Discrimination by Student Organizations

Selecting its membership upon the basis of restrictive clauses involving race, religion, color, national origin, gender, age, sexual orientation or disability unless any given student organization's membership restriction is shown to be specifically allowed by law.

## **E. Disruptive Conduct**

1. Actions that impair, interfere with, or obstruct the normal operations of the University and/or interfere with the rights of other members of the University community or visitors. This includes intentional occupation of or blocking the entry or exit of University facilities, including but not limited to buildings, classrooms, offices, hallways, entryways, conference rooms and campus grounds.
2. Actions that impair, interfere with, or obstruct the orderly conduct, processes and functions within any classroom or other instructional setting. This includes interfering with a faculty member's or instructor's role to carry out the normal academic or educational functions of his/her class.
3. Participating in, leading or inciting others to disrupt scheduled and/or normal campus activities, events and programs.
4. Intentional obstruction of the free flow of pedestrian or vehicular traffic on University premises or at University sponsored or supervised functions.
5. Disturbance of any member of the University community or visitor.
6. Solicitation on campus without prior approval from appropriate University officials. This includes, but is not limited to, the disbursement of any forms of promotional/informational material on University property or on items (e.g. motor vehicles) on University property, requests for donations, or the selling or vending of any merchandise or services.

## **F. Drugs**

1. Possession or use of narcotics, prescription drugs or other controlled substances in violation of local, state or federal drug or narcotic laws.
2. Distribution, delivery or sale of narcotics, prescription drugs or other controlled substances in violation of local, state or federal drug or narcotic laws.
3. Possession or use of drug paraphernalia.

## **G. Failure to Comply**

1. Failure to comply with a lawful order of a University official, including a campus police officer, in the performance of his/her duty.
2. Failure to comply with the sanctions rendered during the student judicial process.
3. Failure to comply with a request to be interviewed by a University judicial officer during the investigation of a conduct code violation. (Students may choose not to appear and present testimony at a student judicial proceeding after meeting with the judicial officer.)

## **H. Falsification/Fraud/False Testimony**

1. Furnishing false information to the University, including false reporting of emergencies, knowingly making false accusations or giving false testimony during the disciplinary process.
2. Misuse, reproduction, alteration or forgery of any University related documents, records, identification, keys, access codes or property.
3. Providing a worthless check or money order in payment to the University or to a member of the University community.

## **I. Fire and Safety**

1. Damage to, removal of or tampering with any fire safety systems, firefighting equipment or other emergency warning equipment.
2. Intentional or reckless burning or setting fire to any building or piece of property owned or controlled by the University.

## **J. Gambling**

Gambling or participation in games of chance on campus for money or other things of value except as provided by law.

## **K. Guests**

Students are responsible for informing their guests about campus regulations and may be held accountable for the behavior of their guests.

## **L. Harassment/Stalking**

1. Conduct (not of a sexual nature) that creates an intimidating, hostile, or offensive campus, educational or work environment for another person or group.
2. Conduct (not of a sexual nature) that threatens, intimidates, humiliates, or otherwise harms another person or group.
3. Stalking, defined as following or otherwise contacting, via any means, another person repeatedly for no legitimate purpose, so as to put that person in fear for his/her life or personal safety, or to cause that person substantial emotional distress. Stalking includes:
  - a. Repeatedly following or harassing another person.
  - b. Contacting a person after being asked or ordered not to contact the person.
  - c. Violating any provision of the Michigan Stalking Law.

## **M. Hazing**

1. Any action or activity, committed by either active members, associate members or pledges of an organization, which inflicts or intends to cause physical or mental harm or anxieties, or which may demean, degrade, or disgrace any person, regardless of location, intent or consent of participants. Hazing includes, but is not limited to:
  - a. Interference with a student's academic or work performance.
  - b. Forced consumption of any food, alcohol, other drugs, or any other substance.
  - c. Forced physical activity.
  - d. Deprivation of food or sleep.
  - e. Physical acts such as branding and paddling.
  - f. Requiring participation in any activity that violates University policies or any local, state or federal law.
  - g. Other violations as outlined in the Interfraternity Council, Panhellenic Council or National Pan-Hellenic Council Constitutions.
2. Any action or situation which intentionally or unintentionally endangers a student who is attempting admission into or affiliation with any student organization.

NOTES:

1. In cases where the activity is performed by an individual member of a student organization, the total organization may be held responsible, when those members not directly involved participate in said activity by encouraging, witnessing, or condoning the act in any manner.
2. Any individual and/or organization found guilty of hazing will be subject to a minimum penalty of suspension.

## **N. Physical Abuse and Endangerment**

1. Physical violence or attempted physical violence toward another person or group.
2. Threat of physical violence against another person or group.
3. Any action that endangers the health, safety or welfare of a person or group.
4. Attempt to harm, or actual harm to, oneself.

## **O. Property/Facilities/Services**



1. Theft of University property or property of a member of the University or visitor.
2. Damage, destruction, or defacement of University property or property of a member of the University or visitor, including littering.
3. Wrongful appropriation of University property or property of a member of the University or visitor.
4. Public posting, selling of, or in any other way, distribution of notes of class lectures, course handouts and outlines, and/or any other University-supplied materials without the express written permission of the instructor.
5. Unauthorized possession and/or use of University property or property of a member of the University or visitor, including knowingly being in possession of stolen goods. This includes unauthorized use of vehicles, equipment, services, the University name and logo.
6. Unauthorized entry into University facilities, including but not limited to buildings, classrooms, hallways, entryways, conference rooms, and campus grounds.
7. Bringing animals and/or pets into University buildings, except where properly authorized. Use or operation of rollerblades, skates, skateboards, bicycles, and similar items inside University facilities, unless expressly permitted.
8. Violation of any policy or guidelines pertaining to specific usage of a University facility.

## **P. Sexual Misconduct/Sexual Harassment**

1. Any sexual act that occurs without the consent of the other person or occurs when the other person is unable to give consent.
2. Conduct of a sexual nature that creates an intimidating, hostile or offensive campus, or educational or working environment, for another person. This includes unwelcome sexual advances or requests for sexual favors, inappropriate sexual or gender-based activities, comments or gestures, or other forms of verbal or physical conduct or communications constituting sexual harassment.
3. Obscene or indecent behavior, which includes, but is not limited to, indecent exposure or the display of sexual behavior that would reasonably be offensive to others.

## **Q. Weapons/Firearms/Explosives**

1. Possession, storage or use of firearms and other weapons, including non-lethal weapons such as pellet guns and paintball guns.
2. Possession, storage or use of firecrackers, gunpowder, ammunition, explosives or incendiary devices, or other articles or substances which could endanger health or safety.

## **R. Other Violations**

1. Violation of any other published or posted University regulations not specifically mentioned in this Section, including, but not limited to, the EMU Policy Manual(s); EMU'S Alcohol and Other Drug Policy; Residence Hall Contract and the Guide to Campus Living; Campus Life Council regulations and guidelines for organizations; Student Government monetary allocation guidelines; EMU published undergraduate and graduate catalogs; EMU'S Athletics Alcohol and Other Drug Education and Testing Policy; and ORD Research Guidelines.
2. Aiding and abetting another in any violation of laws and/or University policies.
3. Attempt or intent to commit any violation outlined in the Student Conduct Code.
4. Off-Campus Conduct as described in the Student Conduct Code, Section III: Jurisdiction.

## **Section VI: Sanctions for Misconduct**

The purpose of University discipline is to be corrective and educational as well as punitive. The disciplinary experience is intended to make clear to students the limits of acceptable behavior and to give students who violate the rules an opportunity to more fully understand the rules and incorporate the experience into their overall development. Assigned discipline may include a combination of sanctions for a particular incident. The sanctions which may be incurred include, but are not limited to, the following:

## **A. Sanctions for Students and/or Student Groups**

1. Verbal Warning: notice that continuation or repetition of prohibited conduct may be cause for additional disciplinary action.
2. Formal Reprimand: an official written statement of the University's disapproval of a student's actions and a warning that any future violation(s) will be dealt with more severely.
3. Disciplinary Probation: an official notice that the student's conduct is in violation of the Student Conduct Code but does not warrant suspension or permanent dismissal. Probation is for a designated period of time and includes the probability of more severe disciplinary sanctions if the student commits another conduct code violation during the probationary period. During the Probation period, a student will be considered "not in good standing" and may be excluded from some programs and curricular or extracurricular activities, including running for and/or holding office in any student organization.
4. Suspension: an involuntary separation of the student from the University for a definite period of time and/or until certain conditions for readmission are met. The student is not guaranteed readmission at the end of such period of time, but is guaranteed a review of the case and a decision regarding eligibility for readmission. (Suspension requires administrative review and approval by the President or his/her designee.)
5. Deferred Suspension: the sanction of suspension may be placed in deferred status provided that the student completes other assigned sanctions by the specified deadline dates. Failure to complete all sanctions and provide proof of completion by the deadline date(s) will result in the automatic enactment of the suspension without charges or hearing. If a student is found responsible for another violation of the Student Conduct Code during the period of deferred suspension, the student may be permanently dismissed from the University.
6. Permanent Dismissal: an involuntary permanent separation from the University. (Permanent dismissal requires administrative review and approval by the President or his/her designee.)
7. Delay and/or Denial of Degree Award: during the period disciplinary charges are pending against a student, the University may deny and/or delay issuance of a degree. Further, the University may refuse to issue a degree to a student who is serving a suspension or has been permanently dismissed from the University.
8. Revocation of Degree: an awarded degree may be revoked for violations of the Student Conduct Code, which occur prior to the award of the degree but are discovered after the degree has been awarded, where the violation is sufficient to justify the suspension or permanent dismissal of the student. (Revocation of a degree requires administrative review and approval by the President or his/her designee.)
9. Other secondary sanctions may be imposed instead of or in addition to those specified above. Secondary sanctions include, but are not limited to:
  - a. Restitution (compensation for loss, damage or injury)
  - b. Fines (for alcohol or drug violations) First Offense = \$100; Second Offense = \$200; Third Offense = \$300
  - c. Community Service
  - d. Educational Activities such as a reflective writing assignment or attendance at an event directly related to the violation committed. (e.g., alcohol/drug workshop; diversity awareness training)
  - e. Restrictions (temporary or permanent loss of privileges or the use of a University facility or service)

## **B. Sanctions for Student Organizations**

1. Verbal Warning: notice that continuation or repetition of prohibited conduct may be cause for additional disciplinary action.
2. Formal Reprimand: an official written statement of the University's disapproval of a student organization's actions and a warning that any future violation(s) will be dealt with more severely.
3. Disciplinary Probation: an official notice that the student organization's conduct is in violation of the Student Conduct Code but does not warrant suspension of or permanent termination of the organization's University status. Probation is for a designated period of time and includes the probability of more severe disciplinary sanctions if the student organization commits another conduct code violation during the probationary period. During the Probationary period, a student organization may also be excluded from campus activities, forfeit student monetary allocations and lose Campus Life status.
4. Suspension: an involuntary withdrawal of student organization status from the University for a definite period of time and/or until certain conditions for renewal of recognition are met. During this time, the University will not in any way

recognize nor support the continued operation of said student organization. The student organization must reapply to the University for renewed recognition following any period of suspension. The suspension shall be reported to said organization's national office, if applicable. (Suspension requires administrative review and approval by the President or his/her official designee.)

5. Deferred Suspension: the sanction of suspension may be placed in deferred status provided that the student organization completes other assigned sanctions by the specified deadline dates. Failure to complete all sanctions and provide proof of completion by the deadline date(s) will result in the automatic enactment of the suspension without charges or hearing. If a student organization is found responsible for another violation of the Student Conduct Code during the period of deferred suspension, the student organization may have its University status permanently terminated.
6. Permanent Termination of University Status: an involuntary permanent withdrawal of student organization status from the University. The University will not in any way recognize nor support the continued operation of said student organization. The permanent termination shall be reported to said organization's national office, if applicable. (Permanent termination requires administrative review and approval by the President or his/her official designee.)
7. Other secondary sanctions may be imposed instead of or in addition to those specified above. Secondary sanctions include, but are not limited to:
  - a. Restitution (compensation for loss, damage or injury)
  - b. Fines (for alcohol or drug violations) First Offense = \$300; Second Offense = \$400; Third Offense = \$500
  - c. Community Service
  - d. Educational Activities such as a reflective writing assignment or attendance at an event directly related to the violation committed. (e.g., alcohol/drug workshop, diversity awareness training)
  - e. Restrictions (temporary or permanent loss of privileges or the use of a University facility or service)

### **C. Enhanced Sanctions**

Any violation of the Student Conduct Code against any individual, group or student organization which is shown to be motivated by the individual's, group's or student organization's racial identity, religion or religious beliefs, disability, national origin, gender, sexual orientation or other personal characteristic will subject a student/student organization to a more severe sanction than would ordinarily accompany that violation.

### **D. Counseling Assessments and Counseling**

In addition to any sanctions assigned, a student may also be required to undergo a counseling assessment and/or participate in counseling. Issuance of sanctions may be postponed pending the results of the counseling assessment.

## **Section VII: Organization of the University Judicial System**

### **A. University Judicial Board**

1. Composition - The University Judicial Board will consist of five enrolled students and two alternates; two full-time faculty members and one alternate; and two full-time members of the University community and one alternate. A student member must be a student in good standing in order to be selected for and remain on the University Judicial Board.
2. Selection of Board Members - In consultation with the Director of the Office of Student Conduct and Community Standards, student members will be appointed by the Student Government; faculty members will be selected by Faculty Council; and the full-time members from the University community will be selected by the President or his/her designee.
3. Terms of Office - Board members will be appointed for a two-year term. They may be reappointed by the person or body who appointed them. A Chief Justice will be elected by a majority vote of all of the University Judicial Board members.
4. Removal from Office - A board member may be removed from the board for poor attendance by a simple majority vote of the total University Judicial Board.

5. Jurisdiction - The University Judicial Board will serve as the panel to hear the case of any student(s)/student organization seeking resolution of the case through the formal hearing process.
6. Procedural Considerations
  - a. Selection of the University Judicial Board members for any given case depends on the availability of the members at the time scheduled for the hearing.
  - b. A quorum for a given hearing will exist with the presence of any five members. During vacation periods or summer session, the University Judicial Board has the authority to convene a disciplinary hearing with only three justices, provided that at least one of those justices is a student.
  - c. The Chief Justice will exercise control over the proceedings.

## **B. Judicial Appeals Board**

1. Composition - The Judicial Appeals Board will consist of two enrolled students; two full-time faculty members; and two full-time members of the University community. A student member must be a student in good standing in order to be selected for and remain on the Judicial Appeals Board.
2. Selection of Board Members - In consultation with the Director of Student Judicial Services, student members will be appointed by the Student Government; faculty members will be selected by Faculty Council; and the full-time members from the University community will be selected by the President or his/her designee.
3. Terms of Office - Board members will be appointed for a three-year term. They may be reappointed by the person or body who appointed them. A Chief Justice will be elected by a majority vote of all of the Judicial Appeals Board members.
4. Removal from Office - A board member who is consistently unavailable for appellate reviews may be removed from the board by a simple majority vote of the total Judicial Appeals Board.
5. Jurisdiction - The Judicial Appeals Board will serve as the panel to review decisions rendered by the University Judicial Board during the formal hearing process. Both the charged party and the University will have the right to appeal a University Judicial Board decision.
6. Procedural Considerations
  - a. Selection of the Judicial Appeals Board members for any given case depends on the availability of the members at the time scheduled for the appeal.
  - b. A quorum will exist with the presence of the Chief Justice and any two other Judicial Appeals Board members, except that any three Judicial Appeals Board members may hear the appeal if the Chief Justice can not be available within a reasonable time, not to exceed 14 work days from the date of receipt of the written appeal.

## **Section VIII: Rights of Charged Student(s)/Student Organizations in Disciplinary Proceedings**

The following rights apply to a student conduct proceeding that has reached the level of a formal hearing, **except** that Rights One through Four apply also to any investigative meeting held with Student Judicial Services and to the Informal Disposition Conference. Student(s)/student organizations will have the right to:

1. Remain silent and not have that silence used against them.
2. Have a voluntary adviser present who may participate in the proceedings. The adviser must be a member of the University community, and if the adviser is another EMU student, she/he must be a student in good standing.
3. Engage an attorney, at the student/student organization's own expense, only when criminal prosecution is pending on charges stemming from the same incident. The attorney may appear at the proceedings with the student(s) to provide advice, but may not represent the student(s)/student organization, directly question or cross-examine witnesses, or, in any other way, participate in the proceedings.
4. Be given a written statement of the charges against them, in accordance with the provisions of Section IX.B. of the Student Conduct Code.
5. Adequate notice of dates set for all hearings, and related conferences and meetings.
6. Reasonable review of the disciplinary case file maintained by Student Judicial Services prior to a formal hearing and/or appeal.
7. Question and cross-examine the complainant and all witnesses.

8. Present witnesses and submit any pertinent, supportive documentation. The hearing board, by a 2/3 vote of members present at the hearing, may limit the number of witnesses in order to avoid dilatory tactics.
9. An open or closed hearing. A hearing will be considered open if no person is excluded until the room's capacity has been reached except that a person may be removed if his/her behavior is disruptive to the hearing process. A closed hearing will include only the charged student(s)/student organization, Student Judicial Services official(s), witnesses and members of the particular judicial board hearing the case.
10. Challenge a judicial board member on the grounds of bias, conflict of interest or any other factor that could preclude the board member from rendering an impartial and fair decision. The board member may be disqualified upon majority vote of the remaining members of the board present at the hearing, conducted by secret ballot. If the board votes to exclude the challenged board member from that particular hearing, the hearing will continue with the remaining board members present, even if the number of board members remaining is less than the number required by the Student Conduct Code to reach a quorum for that hearing.
11. A written statement of the outcome of the proceeding, and a description of the appeal procedure.
12. Make a taped recording of the proceeding at their own expense.
13. Appeal the decision of the University Judicial Board, subject to the provisions of the Student Conduct Code, Section IX.E: Appeal of Formal Hearing Results.

## **Section IX: University Disciplinary Procedures**

### **A. Reporting**

Any member of the University community may initiate a complaint against a student or student organization for an alleged violation of the Student Conduct Code through the Student Judicial Services office. A complainant shall submit the complaint to the Student Judicial Services office within a reasonable amount of time from the date he/she becomes aware of the alleged violation. For purposes of this Code, an incident report generated by the Department of Public Safety or an incident report generated by University Housing will be considered a complaint to be reviewed by Student Judicial Services for possible Student Conduct Code violations.

### **B. Charges and Notice**

1. The Office of Student Conduct and Community Standards will investigate each complaint, and if the circumstances surrounding the complaint indicate that a violation of the Student Conduct Code may have occurred, disciplinary charges may be issued. The student(s)/student organization will be notified of the charges in writing. Notice of the charges will be considered adequate if it is sent to the student(s)/student organization's last known address registered with the University or to the address given by a student on either an EMU Department of Public Safety's Incident Report or on a Housing Incident Report.
2. Proper written notice to a student/student organization will include the following:
  - a. Recitation of facts surrounding the incident, in as sufficient detail as possible as to date, time, and location;
  - b. Statement of the specific Conduct Code provision(s) violated;
  - c. Any penalty assigned or other action taken;
  - d. Amount of time the student(s)/student organization has to respond to the notice;
  - e. Ramifications of not responding to the notice within the time limit; and
  - f. Copy of "Rights of Charged Students/Student Organizations in Disciplinary Proceedings."
3. Student Judicial Services may place a judicial hold on a student's academic record, and/or may go forward with disciplinary action against a student/student organization in either of the following situations:
  - a. The student or student organization fails to respond to a charge letter sent by Student Judicial Services within the applicable time limit.
  - b. The student withdraws from the University after allegedly committing a violation, whether or not the office of Student Conduct and Community Standards has yet had the opportunity to charge the student with a Conduct Code violation.
  - c. The student/student organization fails to appear at the scheduled formal hearing or appeal hearing.

## C. Disposition of Cases

1. disciplinary case may be handled in one of the following two formats:
  - a. Informal Disposition Conference - The student(s)/student organization representative and a Office of Student Conduct and Community Standards officer will meet informally to discuss the alleged violation(s). If the substantive facts and sanction(s) can be agreed upon by the judicial officer and the charged student(s), a disciplinary action agreement will be prepared and signed by both sides. A signed disciplinary action agreement will constitute a waiver of the right to a formal hearing and any appeal, and an acceptance of the finding(s) and sanction(s). The President or his/her designee must approve any suspension, permanent dismissal or permanent termination of a student organization's University status.
  - b. Formal Hearing - If, during the informal disposition conference, the student(s)/student organization disputes the findings by the Office of Student Conduct and Community Standards that a violation has occurred or if an appropriate sanction(s) cannot be agreed upon, the case will be referred to the University Judicial Board for a formal hearing.

## D. Procedures for Formal Hearings

1. Notice of Hearing - After the formal hearing is scheduled, the Office of Student Conduct and Community Standards will notify the student(s)/student organization involved of the date, time and place of the hearing and of the pre-conference.
2. Pre-conference - At least two days prior to the formal hearing, a pre-hearing conference will be scheduled by the Office of Student Conduct and Community Standards for any charged student(s)/student organization. The two day requirement may be modified by mutual consent of the charged student(s)/student organization and Student Judicial Services. The conference will include the presiding officer of the University Judicial Board or a designee, the Director of the Office of Student Conduct and Community Standards or a designee, any individual designated to represent the University, and the charged student(s)/student organization and their adviser.

The purpose of the prehearing conference will be to identify those issues and facts which will be presented at the hearing, to exchange information as to witnesses likely to be called, to answer procedural questions, and to settle those matters which may be agreeably concluded. The conference will not be used to settle the issue of whether or not the violation was committed or to challenge any recommended sanctions. Failure of the charged student(s)/student organization or the adviser to appear will in no way affect any of their procedural rights and will not prohibit a hearing from being set and being held.

3. Formal Hearing Premises - The following premises will govern any formal hearing:
  - a. The focus of inquiry in a University hearing will be the determination of whether a violation of University rules occurred, and such decision will be totally unrelated to any criminal or civil decisions against the student(s)/student organization arising from the same incident.
  - b. Formal rules of evidence will not apply to University proceedings, nor will deviations from these prescribed procedures necessarily invalidate a decision or proceeding unless significant prejudice to the charged student(s)/student organization or the University may result.
  - c. The charged student(s)/student organization will be presumed to have not violated the Student Conduct Code until it is proven otherwise.
  - d. The burden of proof during a formal hearing will rest with the University. The University must prove its case by a preponderance of the evidence, meaning that the evidence, considered in its entirety, indicates that, more likely than not, the charged student(s)/student organization committed the violation(s).
  - e. The Student Judicial Services officer may recommend a sanction to the University Judicial Board during the formal hearing, but the University Judicial Board will have the authority to reject the recommendation and issue any sanction(s) deemed appropriate.
  - f. All formal hearings will be tape-recorded. Tapes will remain the property of the University and will serve as the official record of the proceedings.
4. Disposition of the Case

- a. University Judicial Board decisions as to culpability of the charged student(s)/student organization and sanctions to be issued will be made by a simple majority of the University Judicial Board members present at the hearing. After hearing the case, board members will go into closed session to reach a decision.
- b. Decisions of the University Judicial Board will be in writing. The decision will state what rule was violated, the behavior constituting the violation, and any sanctions issued. Within two working days, the written decision will be submitted to the Director of Student Judicial Services. If the recommended sanction is not a suspension, permanent dismissal of the student or permanent termination of University status, the Director of Student Judicial Services will mail the decision to the student(s)/student organization within two working days after being submitted to that office by the University Judicial Board.
- c. If the recommended sanction is either a suspension, permanent dismissal or permanent termination of University Status, the Director of Student Judicial Services will submit the decision to the President or his/her designee for review. The President or his/her designee will either accept or reject the University Judicial Board's decision to suspend, permanently dismiss the student, or permanently terminate the University status of a student organization. If the decision is rejected, the President or his/her designee will provide to Student Judicial Services a written rationale for the rejection of the University Judicial Board's sanction. A rejection of the University Judicial Board's sanction will constitute an automatic appeal to the Judicial Appeals Board.
- d. The President or his/her designee will have five working days after submission of the University Judicial Board's decision to take action. If no action is taken during that time, the University Judicial Board's decision will be considered approved.
- e. Student Judicial Services will mail the written decision to the student(s)/student organization within one working day following any presidential action. If the five working days lapse without the President or his/her designee taking action, Student Judicial Services will mail the University Judicial Board's written decision to the student(s)/student organization on the sixth working day following the submission of the decision to the President or his/her designee for review.

## **E. Appeal of Formal Hearing Results**

1. Right to Appeal - Student(s)/student organizations or the University (represented by Student Judicial Services) may request that the University's Judicial Appeals Board review the decision rendered at the conclusion of the formal hearing process. Student(s)/student organization(s) may challenge the finding of the University Judicial Board that a violation occurred and/or the sanction(s) assigned. Conversely, the University may challenge the finding of the Board that no violation occurred or that the sanction(s) issued were not severe enough for the violation committed.
2. Appeal Process for Student(s)/Student Organizations - The following steps should be followed by student(s)/student organizations in order to file an appeal:
  - a. A written request for an appeal must be submitted to Student Judicial Services within seven working days from the date of the written decision from the formal hearing. The appeal will be immediately forwarded to the Judicial Appeals Board for consideration. Unless extenuating circumstances can be shown, failure to appeal within the allotted time will render the University Judicial Board's decision final.
  - b. The written request for an appeal must state the grounds for appeal (citing the appropriate grounds from the "Grounds for Appeal" list below); a discussion of the evidence and facts in support of the appeal; and a recommended solution.
  - c. The request for an appeal must be typed and should include any supporting documentation that should be considered by the Judicial Appeals Board.
  - d. Grounds for Appeal - The following will be considered the only grounds for an appeal:
    1. There were procedural errors in the case or in the interpretation of University rules and regulations serious enough to deny the student(s)/student organization a fair hearing.
    2. There is new evidence of a substantive nature not previously available at the time of the hearing, which would have materially affected the decision.
    3. The severity of the sanction is disproportionate to the violation(s) committed.
    4. The decision of the Board was not supported by the evidence presented at the hearing.
3. Appeal Process for the University - The following steps should be followed by the University in order to file an appeal:
  - a. A written request for an appeal must be submitted by Student Judicial Services to the Judicial Appeals Board within seven working days from the date of the written decision from the formal hearing. A copy of the

appeal will also be made available to the student(s)/student organization. Unless extenuating circumstances can be shown, failure to appeal within the allotted time will render the University Judicial Board's decision final and conclusive.

- b. The written request for an appeal must state the grounds for appeal (citing the appropriate grounds from the "Grounds for Appeal" list below); a discussion of the evidence and facts in support of the appeal; and a recommended solution.
  - c. The request for an appeal must be typed and should include any supporting documentation that should be considered by the Judicial Appeals Board.
  - d. Grounds for Appeal - The following will be considered the only grounds for an appeal:
    1. There were procedural errors in the case or in the interpretation of University rules and regulations serious enough to affect the University's chance of proving its case.
    2. The sanction is too lenient given the violation(s) committed.
    3. There is new evidence of a substantive nature not previously available at the time of the hearing, which would have materially affected the decision.
    4. The decision of the Board was not supported by the evidence presented at the hearing.
4. Scheduling an Appeal
- a. The Judicial Appeals Board will convene an appeal hearing as soon as possible after receiving the written appeal. A quorum will exist with the presence of the Chief Justice and any two other board members, **except** that any three board members may handle the appeal if the Chief Justice cannot be available within a reasonable time, not to exceed 14 calendar days from the receipt of the written appeal.
  - b. After the appeal is scheduled, Student Judicial Services will notify the student(s)/student organization involved of the date, time and place of the hearing.
5. Appeal Hearing Premises - The following premises will govern any appeal hearing:
- a. Deviations from these prescribed procedures will not necessarily invalidate a decision or proceeding unless significant prejudice to the charged student(s)/student organization or the University may result.
  - b. On appeal, the burden of proof rests with the appellant to clearly exhibit that one of the four grounds for an appeal has been met; this is not a rehearing of the entire case.
  - c. All appeal hearings will be tape-recorded. Tapes will remain the property of the University and will serve as the official record of the proceedings.
  - d. Any sanction(s) issued by the University Judicial Board will not take effect until the appeal process is completed.
6. Disposition of the Appeal
- a. Prior to the appeal hearing, the Judicial Appeals Board will meet in closed session to review the written decision of the University Judicial Board, the written appeal, any supporting documentation provided by the Appellant, and the tape recording of the formal hearing.
  - b. After reviewing the case materials, the Judicial Appeals Board will convene the Appeal Hearing and call in both parties to the appeal. The student(s)/student organization may bring an adviser to the Hearing who may speak on their behalf. The adviser must be a member of the University community, and if the adviser is a student, he/she must be a student in good standing.
  - c. The party who filed the appeal will be allowed 15 minutes to present his/her case to the Judicial Appeals Board. The Board members may then ask questions of the appellant. The opposing side will then be given 15 minutes to present its counter-arguments, after which the Board members can ask questions of that party.
  - d. The Judicial Appeals Board will again go into closed session to reach a decision in the case, then reconvene the Hearing and read its decision. The decision will be made by a simple majority of the Judicial Appeals Board members present at the hearing.
  - e. The Judicial Appeals Board may take one of the following actions:
    1. Uphold the decision of the University Judicial Board in its entirety.
    2. Alter the sanctions imposed by the University Judicial Board **except** that the Board cannot increase the severity of the sanctions if the appeal was filed by the student(s)/student organizations.
    3. Send the case back to the University Judicial Board for a new hearing only if there were errors in procedures or interpretation of University rules and regulations or there is new evidence in the case. A decision issued by the University Judicial Board in a case sent back to it by the University Appeals Board may not be appealed again and will be the final decision, pending approval by the President or his designee in accordance with sub-section F below.



4. Dismiss the case against the student(s)/student organization.
- f. In cases where the Judicial Appeals Board, or the University Judicial Board upon a rehearing of the case, issues a suspension, permanent dismissal of the student or permanent termination of University status of a student organization, the decision will be sent to the President or his/her designee for review. The President or his/her designee will have five working days after submission of the decision to either affirm or alter the decision. This decision will be final. If no action is taken during that time, the appellate decision, or the decision from a re-hearing, will be considered approved.
- g. Student Judicial Services will mail the written decision to the student(s)/student organization within one working day following any presidential action. If the five working days lapse without the President or his/her designee taking action, Student Judicial Services will mail the written decision to the student(s)/student organization on the sixth working day following the submission of the decision to the President or his/her designee for review

## **Section X: Special Disciplinary Provisions Governing Acts of Academic**

### **Dishonesty**

- A. Academic dishonesty is both an academic matter between a student and his/her faculty member and a violation under the Student Conduct Code subject to University disciplinary action. An act of academic dishonesty may and should be handled by the faculty member, the student, and, if appropriate, the faculty member's department head and/or the dean over that particular academic department. Sanctions that can be assigned by a faculty member range from giving a reduced grade on the particular work in question to failing the student for the entire course. In addition, some academic departments and programs have their own policies for dealing with academic dishonesty and/or violations of Professional Codes of Ethics which allow the department or program to impose sanctions ranging from probation to program dismissal. A sanction assigned by a faculty member and/or an academic department or program is an academic, not a disciplinary, sanction.
- B. If the matter is resolved satisfactorily between the student and the faculty member, and the faculty member decides not to refer the student for University disciplinary action, the faculty member may still report the incident to Student Judicial Services. Student Judicial Services will maintain a record of the reported incident and may elect to pursue University disciplinary action against a student who is reported to that office for a subsequent act of academic dishonesty.
- C. If the faculty member decides that a stronger sanction is needed instead of or in addition to any academic sanctions assigned by that faculty member, the incident may be referred to Student Judicial Services for review and possible University disciplinary action. Once the referral is made to Student Judicial Services, the incident will be handled in the same manner as would any other allegation under the Student Conduct Code.
- D. In cases where the student denies the allegation of academic dishonesty, the faculty member may elect to postpone assigning any academic sanctions until after the student has gone through the University disciplinary process. If, at the end of that process, the charge of academic dishonesty is upheld, the faculty member may then assign an academic sanction. The academic sanction is independent of any disciplinary actions taken against the student by the University.
- E. Academic sanctions assigned by the faculty member in agreement with the student or assigned by the faculty member after the charge of academic dishonesty has been validated through the University disciplinary system cannot be grieved under the University's Grade Grievance Procedure.

## **Section XI: Special Provisions Governing the University Recognition and Conduct of Greek Letter Social Organizations**

- A. Because of the importance of the Greek social system and because of the unique circumstances under which it operates, the following conditions have been established between the University and the Greek social organizations. These provisions set out the requirements for maintaining University recognition and good standing and delineate specific violations that may be handled through the Greek system's own judicial process rather than under the University's Student Conduct Code.
- B. The University reserves the right to retain jurisdiction over cases in which the conduct violates both these provisions and the University's Student Conduct Code **and** the University determines that the misconduct is of such severe nature as to impair, obstruct, interfere with or adversely affect the mission, processes or functions of the University.

- C. The University may take action against an individual member of a student organization for misconduct that is a violation both of this provision and of the Student Conduct Code, regardless of any separate disciplinary action taken against the student organization.
- D. This section of the Student Conduct Code applies only to the relationship between the University and the Greek social organizations and has no bearing on relations between chapters and national and/or alumni agreements.
- E. Good standing must be maintained in order for Greek social organizations to participate in Greek-sponsored activities. Failure to do any of the following will constitute a violation of these provisions of the Student Conduct Code and will subject the Greek social organization to disciplinary action, including possible loss of good standing, as described within these provisions under subsections F and G:
  - 1. Registering annually as a recognized student organization with the Office of Campus Life;
  - 2. Participating in the appropriate Greek governing bodies (Greek Council and either Black Greek Council, Interfraternity Council or Panhellenic Council);
  - 3. Submitting roster and grade release forms for active members and pledges/associates during the first month of the semester;
  - 4. Following all rules and guidelines for Greek Rush; and
  - 5. Abiding by all terms and conditions of the alcohol and controlled substance guidelines below:
    - a. The possession, use and/or consumption of alcoholic beverages while on chapter premises during an official event or in any situation sponsored or endorsed by the chapter or organization must be in compliance with any and all applicable laws and University rules and policies.
    - b. No chapter or organization members, collectively or individually, shall purchase for, serve to, or sell alcoholic beverages to anyone under the legal drinking age.
    - c. The possession, sale, and/or use of any illegal or controlled substance at any chapter, organization or University-sponsored event are strictly prohibited.
    - d. Alcohol or controlled substances will be prohibited at any and all rush activities.
    - e. Open parties where alcohol is provided by the host chapter, meaning those with unrestricted access by nonmembers of the organization without specific invitation, will be prohibited.
    - f. All organizations must provide, at no charge, an alternative nonalcoholic beverage and food at any event where alcohol is provided.
    - g. There will be no solicitation or encouragement of alcohol consumption by contest or promotion at any chapter event where alcoholic beverages are present.
- F. Greek organizations whose members are in violation of this policy, regardless of whether the individuals are identified, will be subject to one or more of the sanctions listed in the Student Conduct Code, Section VI.B: Sanctions for Student Organizations.
- G. The following process will be utilized in any incident alleging a violation of these policy provisions by a Greek social organization:
  - 1. The incident will be referred to the respective Greek Judicial Board for hearing and original adjudication (i.e., sorority cases will be handled by the Panhellenic Council, fraternity cases will be heard by IFC, and black Greek cases will be heard by the Black Greek Council). Each Greek Council will establish its own judicial board and its own set of hearing procedures for handling the incident. The chair of the respective Greek Judicial Board will immediately inform Student Judicial Services about any incident referred to it.
  - 2. A decision rendered by the respective Greek Judicial Board may be appealed either by the party alleging the violation or by the Greek social organization being accused of a violation. The appeal will be made to the Greek Council Judicial Board, which may accept, modify or reject any sanction issued by the Greek Judicial Board.
  - 3. Student Judicial Services will receive written transcripts of all final judicial decisions, whether from the respective Greek Judicial Board (if there was no appeal of its decision) or from the Greek Council Judicial Board (for decisions that were appealed). Student Judicial Services will review the decision and may accept or reject the proposed sanctions.
  - 4. In the event Student Judicial Services rejects the final decision, the Director will provide a written explanation of the rejection and a recommended alternative.
  - 5. In the event that Student Judicial Services and the Greek board rendering the final decision cannot reach an agreement, the case will be referred to the Eastern Michigan University Judicial Appeals Board as outlined in the Eastern Michigan University Student Conduct Code. In this instance Student Judicial Services will notify

the national or international headquarters of the organization involved. In the case of local organizations, the Alumni Association will be notified.

## **Section XII: Interim Suspensions and Other Interim Sanctions**

- A. For alleged violations of this Code, interim sanctions, including but not limited to interim suspension, reassignment to alternate housing, limitation of access to designated University housing facilities and/or campus facilities by time and location, and limitation of privilege to engage in specified University activities, may be imposed by the President or his/her designee. Such interim sanctions are to be utilized only when there is reason to believe that the student(s)/student organization's conduct poses a substantial threat of harm to oneself or others, threatens or endangers University property, or disrupts the stability and continuance of normal University operations and functions.
- B. For interim suspensions only, a student will be denied access to the residence halls, and/or to the campus (including classes), and to all other University activities or events which the student might otherwise be eligible to participate in or attend. A student organization will lose its University student organization status and will be denied access to any University activities or events which the student organization might otherwise be eligible to participate in or attend.
- C. A student/student organization will be notified of an interim sanction or interim suspension, orally, by written notice served on the student/student organization or by written notice sent to the last address on record. The interim sanctions or interim suspension take effect the day issued by the President or his/her designee.
- D. A student/student organization issued an interim suspension or interim sanctions will be given an opportunity to appear before the Vice President of Student Affairs or a designee within three working days in order to discuss the following issues only:
  1. the reliability of the information concerning the student/student organization's alleged misconduct.
  2. whether the conduct and surrounding circumstances reasonably indicate that the continued presence of the student on University premises poses a substantial and immediate threat to himself/herself, to others, or to property.
- E. The Vice President for Student Affairs or his/her designee may affirm or alter the interim sanctions or interim suspension based on the discussion with the student/student organization. If the decision is affirmed, the Vice President or his/her designee will inform the student/student organization of that decision at the conclusion of the discussion. Regardless of whether the interim sanctions or interim suspension is affirmed or altered, the Vice President or his/her designee will direct that a formal hearing before the University Judicial Board take place within 10 days. If the University fails to schedule the formal hearing within the 10 day period, the interim sanctions or interim suspension will cease although the original charges will not be dropped and will still be handled through the University's disciplinary process.

## **Section XIII: Emergency Powers of the President**

- A. The President, as Chief Executive Officer of the University, is charged with the maintenance of that degree of order and safety necessary to the successful continuation of the University's lawful mission, and he/she is further charged with the authority to protect the members of the University community and University property.
- B. When faced with mass disruptions, activity of a violent and destructive nature, or other dangerous violations of University rules of a serious enough nature to threaten the University, the President, after consultation with and approval of the Board of Regents, may declare a "state of emergency" and do any of the following:
  1. Impose and have enforced a curfew on all or portions of the University campus.
  2. Curtail or suspend services.
  3. Close the University or portions of the University entirely for the period of emergency.
  4. Issue an emergency suspension and forbid the presence on campus of any student(s)/student organization(s) if they have been sufficiently identified to him/her as participants in activities which violated University policy and led to the conditions described above. Suspensions issued under this section of the code are effective immediately upon notice to the student(s)/student organization(s).
  5. Appoint a Special Hearing Board on an ad hoc or extraordinary basis to make a recommendation as to whether any emergency suspensions issued should be continued. The Special Hearing Board will convene and make its recommendations to the President within seven calendar days from the effective date of the emergency suspension. Regardless of the recommendation to the President as to the continuation of the emergency suspension, the President will direct Student Judicial Services to convene a formal hearing before

the University Judicial Board within 10 days of the date of the Special Hearing Board's recommendation to the President in order to rule on the original charges brought against the student(s)/student organization(s).

6. Take other actions that may be explicitly stated in or implied by any laws governing the authority of the University and/or the President in emergency situations.
- C. **Note:**  
**Due to the unique circumstances and severe conditions that would lead the President to exercise any of his/her emergency powers, an emergency suspension issued under this section of the Code is to be considered different from an interim suspension issued under the conditions stated in Section XIII. The issuance and review of an emergency suspension will be handled in accordance with the procedures outlined above in subsections 4 and 5.**
- D. The Board of Regents, regardless of granting any emergency powers to the President, in no way restricts its own powers and prerogative to carry out its obligations and duties as imposed by the Constitution and laws of the state of Michigan.

## **Section XIV: Student Disciplinary Files and Records**

- A. Student Judicial Services will establish a student disciplinary file whenever a case is referred for investigation of a possible Conduct Code violation. A student or student organization's file will be destroyed if the investigation indicates that no violation occurred. The file of a student/student organization found to have violated the Conduct Code will be retained for four years from the date of the sanction or until the student's graduation from the University, whichever comes first. Student conduct records may be retained longer or permanently if the student was suspended or permanently dismissed or if there is reason to believe the case could result in future litigation.
- B. A notation will be made on the student's official University transcript if the student was suspended, permanently dismissed or given an "E" grade in a course as a result of academic dishonesty.
- C. The release of student disciplinary records will be governed by applicable federal and state laws governing the privacy of educational records.

## **Section XV: Review of the Student Judicial System**

- A. Student Judicial Services will convene a Student Judicial System Review Committee at least every four years that will be responsible for carrying out the following tasks:
  1. Reviewing the goals and effectiveness of the University's disciplinary system;
  2. Reviewing the effectiveness of the types of sanctions issued;
  3. Recommending changes to the Student Conduct Code;
  4. Recommending changes in the judicial processes and procedures established and followed by Student Judicial Services; and
  5. Recommending training sessions and publications on topics related to the mission of Student Judicial Services to educate the campus community about student conduct and the campus judicial processes.
- B. The Committee will be appointed and chaired by the Director of Student Judicial Services and will include one representative from the following areas: Ombudsman; Legal Affairs; Housing; Health Services; Counseling Services; Student Government; Faculty Council; Department of Public Safety; Chief Justice of the University Judicial Board; and Chief Justice of the Judicial Appeals Board.

Amendments to the Student Conduct Code that receive the support of the Review Committee will be forwarded, in accordance with University procedures, to the Board of Regents for approval.

## **University Alcohol and Other Drug Policy**

The University is committed to promoting and maintaining a work and academic environment that is free from illegal alcohol and drug use and abuse, in accordance with all federal, state, and local laws. Students and employees are prohibited from reporting to work or working under the influence of alcohol or drugs.

Employees may not consume, possess, distribute, or be under the influence of alcoholic beverages on University property or while on University business (except at University functions at which use of alcohol is approved). Employees, students, and campus visitors aged twenty-one (21) years or older, consuming alcohol at University functions or while on University business, where such use is approved, are expected to use alcohol responsibly and not engage in illegal, unprofessional, or disruptive

behavior.

Students and campus visitors who have attained the legal drinking age of twenty-one (21) years of age may possess and consume alcoholic beverages only at approved University functions or in residence hall rooms of students who have attained the legal drinking age. Those under twenty-one (21) years of age are not permitted to consume or possess alcoholic beverages at any time.

Students, employees and visitors are prohibited from dispensing, selling or supplying alcoholic beverages to a person under the legal drinking age as defined by Michigan law.

Students, employees, and visitors are prohibited from possessing, consuming, manufacturing, dispensing, or being under the influence of illegal drugs or engaging in improper self-medication while on University property or University business.

Any member of the University community who violates this policy is subject to both prosecution and punishment under federal, state and local laws and to disciplinary proceedings by the University.

This policy is not designed to punish people for seeking rehabilitation. All information about those individuals who voluntarily avail themselves of drug or alcohol counseling or rehabilitation services will remain confidential. Seeking counseling or rehabilitation will not be used as a basis for disciplinary action or be used against an individual in any way.

University employees and students who violate this policy shall be informed about and referred to services to assist them in determining whether they are abusing drugs and alcohol or are chemically dependent. If a problem is found to exist, the individual will be referred to resources to assist him/her in overcoming the drug or alcohol abuse pattern. This referral or assessment shall not limit the University's ability to pursue appropriate disciplinary action, up to and including termination or expulsion, when an employee or student has violated this policy or any other University policy.

This policy shall not add to or supersede union contracts or established employee work rules.

### **Health Risks of Alcohol and Other Drugs**

- **ALCOHOL** Loss of concentration and judgment, slowed reflexes; disorientation leading to higher risk of accidents and problem behavior; risk of liver and heart damage, malnutrition, cancer and other illnesses; can be highly addictive to some persons.
- **AMPHETAMINES** Can cause rushed, careless behavior - pushing beyond your physical capacity, leading to exhaustion; tolerance increases rapidly; causes physical and psychological dependence; withdrawal can result in depression and suicide; continued high doses can cause heart problems, infections, malnutrition, and death.
- **CANNABIS** Causes permanent damage to lungs, reproductive organs and brain function; slows reflexes; increases forgetfulness; alters judgment of space and distance.
- **COCAINE** Causes damage to respiratory and immune systems; induces malnutrition, seizures and loss of brain function. Some forms (such as "crack") are highly addictive.
- **HALLUCINOGENS** (PCP, LSD, Ecstasy) Causes extreme distortions of what's seen and heard; induces sudden changes in behavior, loss of concentration and memory; increases risk of birth defects in user's children; overdose can cause psychosis, convulsions, coma, and death. Frequent use can cause permanent loss of mental function.
- **NARCOTICS** (Heroin, morphine, opium, codeine) Tolerance increases rapidly; causes physical and psychological dependence; overdose can cause coma, convulsions, respiratory arrest, and death; leads to malnutrition, infection and hepatitis; sharing needles is a leading cause of the spread of HIV and Hepatitis; highly addictive.
- **SEDATIVES** Tolerance increases rapidly; produces physical and psychological dependence; causes reduced reaction time, and confusion; overdoses can cause coma, respiratory arrest, convulsions, and death; withdrawal can be dangerous; in combination with other controlled substances can quickly cause coma and death.

### **Assistance Available to Faculty, Staff, and Their Families at EMU:**

Ceridian/LifeWorks      877.234.5151  
www.lifeworks.com      800.999.3004

### **Assistance Available to Students at EMU:**

University Health Services:

Counseling Services 734.487.1118  
Health Education Program 734.487.2226

Department of Public Safety 734.487.1222

**Alcohol and Other Drug Abuse Treatment Services Available in S.E. Michigan**

Adrian

- Emma Bixby Medical Center and Satellite Sage Center for Substance Abuse Treatment 517.265.0411  
Ann Arbor/Ypsilanti Area
- St. Joseph's Mercy Hospital Chemical Dependency Services, 734.786.4900, website: [www.sjmh.com](http://www.sjmh.com)
- Ann Arbor Consultation Services, 734.996.9111
- U of M Addiction Treatment Services (UMATS), toll free 800.828.8020 or 734.232.0600
- Alcoholics Anonymous, 734.482.5700, Huron Valley Area Intergroup, website: [www.hvai.org](http://www.hvai.org)
- Narcotics Anonymous for Washtenaw & Livingston County, 734.913.9839
- Dawn Farm, 734.485.8725 or 734.669.8265
- Washtenaw County Health Services Access (for those with no ability to pay), 800.440.7548 or 734.544.3050

Brighton/Livingston County

- Brighton Hospital, 888.215.2700 or 810.227.1211, web site: <http://brightonhospital.org/>
- Narcotics Anonymous for Washtenaw & Livingston County, 734.913.9839

Detroit Metropolitan Area

- Alcoholics Anonymous for Detroit or Wayne County, 313.831.5550
- Narcotics Anonymous, 248.543.7200
- Insight Recovery Centers, 248.524.9530, web site: [www.insightrecovery.org/wayne.htm](http://www.insightrecovery.org/wayne.htm)
- Eastwood Clinics: website: [www.stjohn.org](http://www.stjohn.org)
  - Dearborn, 313.583.0735
  - Detroit (Gratiot & 8 Mile), 313.369.5000

Flint

- Insight Recovery Centers, 810.733.0900 or 800.356.4357 web site: [www.insightrecovery.org](http://www.insightrecovery.org)
- Community Recovery Services, 810.744.3600
- Narcotics Anonymous, 810.238.3636
- Alcoholics Anonymous, 810.234.0815

Jackson

- Washington Way, 517.782.4001
- Alcoholics Anonymous in Jackson, 517.789.8883

Toledo

- Alcoholics Anonymous, 419.380.9862
- Narcotics Anonymous, 800.587.4232
- Toledo Hospital Alcohol & Drug Assessment and Treatment Center

- Inpatient: 419.291.2351
- Outpatient/assessment: 419.291.2300

## **Sanctions for Violations of Laws & Policies:**

The laws of the State of Michigan and Eastern Michigan University's policies and rules prohibit the consumption or possession for personal consumption of alcoholic beverages by persons less than 21 years of age. Further, Michigan laws and University policies prohibit the sale, service or giving of alcoholic beverages to persons under the age of 21. Eastern Michigan University's policies and rules, local ordinances and laws, state laws and federal laws also prohibit the unlawful possession, use and/or distribution of illicit drugs and alcohol.

### **Community Sanctions:**

Violations of laws and ordinances may result in misdemeanor or felony convictions accompanied by the imposition of legal sanctions which include, but are not limited to, the following:

- Fines as determined under local, state or federal laws.
- Imprisonment, including up to life imprisonment, for possession of more than 650 grams or trafficking in drugs such as Heroin and Cocaine.
- Forfeiture of personal and real property.
- Denial of federal benefits such as grants, contracts, and student loans.
- Loss of driving privileges.
- Required attendance at substance abuse education or treatment programs.
- Federal laws prohibit possession, use, distribution, manufacture or dispensing.

A full description of federal sanctions for drug felonies can be found at: [www.usdoj.gov/dea/agency/penalties.html](http://www.usdoj.gov/dea/agency/penalties.html)

### **University Sanctions:**

Violation of University policies and rules will be subject to campus disciplinary review and action, as follows:

#### **Faculty and Staff:**

Disciplinary action will be taken as per applicable collective bargaining agreements and University policy up to and including termination of employment.

Information about violations related to tobacco use can be found under EMU Tobacco Use policy.

#### **Students:**

Disciplinary action will be taken by Student Judicial Services under the Student Conduct Code and may include sanctions ranging from formal reprimand to permanent dismissal, in addition to counseling and/or referral to a substance abuse educational/intervention program. In certain circumstances, parents of a student under 21 years old will be notified about the drug or alcohol violation, as per Eastern Michigan University's policy on Parental Notification. The FERPA policy can be found at [www.emich.edu/registrar/ferpa.htm](http://www.emich.edu/registrar/ferpa.htm).

Information about violations related to tobacco use can be found under EMU Tobacco Use policy.

In addition to University-level action taken under the Student Conduct Code, other University departments maintain internal policies and rules regarding alcohol and other drugs and may impose sanctions against students and/or student groups which violate these policies. For example, University Housing, Athletics, Greeks, Study Abroad and several academic departments have policies addressing alcohol and other drugs. Any action taken under one policy does not prevent action being taken under any other policy.

## **Employee Reporting Requirement:**

Under the Drug Free Schools and Communities Act Amendments of 1989, a faculty or staff member employed under a federal grant or contract must notify the University (Human Resources, Employee Relations, 734.487.0083; or Academic Human Resources, 734.487.0076, in writing, of his or her arrest or conviction for violation of any criminal drug statute occurring in the workplace or while on University business no later than five days after such arrest or conviction.

## **Review of EMU's Alcohol and Other Drug Abuse Prevention Program:**

The University will review its Alcohol and Other Drug Abuse Prevention Program every 2 years to determine its effectiveness and implement changes to the program as needed and to ensure that the disciplinary sanctions applied by the University are consistently enforced.

## **EMU Policy on Notification to Parents of Drug and Alcohol Violations**

1. When the University has determined that a student has committed a second disciplinary violation with respect to campus rules regarding the use or possession of drugs or alcohol, the University will disclose to parents or legal guardians such information if the student is less than 21 years of age.
2. Parents will be notified of a first disciplinary violation with respect to campus rules regarding the use or possession of drugs or alcohol if (a) the incident also involves another serious offense; or (b) if there is reason to believe that a student's health and well-being are in jeopardy; or (c) the violation results in a sanction of either housing probation or higher or University-level probation or higher. In cases where the drug or alcohol violation also involves another serious offense, the University will only release details of the drug or alcohol violation to the parents or legal guardians.
3. At the point at which it is determined that parental notification is permitted under the provisions of this policy, the student will be given twenty-four (24) hours to make the initial contact with the parents or legal guardians prior to the University notifying the parents or legal guardians.
4. Within the twenty-four (24) hour time period that a student has to notify his/her parents or legal guardians, the student may submit documentation or a written statement indicating that there are special circumstances that make parental notification inappropriate. The University's designee will consider the request and make a determination as to notification on a case-by-case basis.
5. Parental notification is in addition to any other sanctions issued by the University.

## **Tobacco Use Policy**

### **University Policy Statement**

The University is committed to promoting and maintaining a healthy work and academic environment that is as close to tobacco free as practicably possible and in accordance with all federal, state and local laws. Students, employees and visitors are prohibited from using tobacco throughout all University buildings (exception University Apartments), University vehicles and outside of buildings within 25 feet of any entrance, air intake duct and/or window.

- The use of tobacco products is prohibited in all University buildings and leased spaces. This prohibition applies to any area enclosed by the perimeter (outermost) walls of the building, including restrooms, warehouses, storage spaces, atriums, balconies, stairwells and other similar building features considered "within a building."
- The use of tobacco products is prohibited within 25 feet of any building entrance, air intake duct and window.
- Specific outside areas for tobacco use will not be established or identified.
- The University will install ashtrays and other appropriate tobacco litter appliances beyond 25 feet from buildings.
- Individuals who use tobacco products will be responsible for their proper disposal.



- The use of tobacco products is prohibited in University vehicles. This prohibition includes passenger vehicles and all other state-owned mobile equipment, including light and heavy duty trucks, cargo and passenger vans, buses, golf carts and any other mobile equipment.
- The use of tobacco products is prohibited in outdoor areas where seating is provided.
- The use of tobacco products is prohibited on the grounds of the Children's Institute.
- University Health Services will provide educational information and programs on tobacco use cessation.
- Vice presidents, deans, directors and department heads are responsible for informing the campus community of the tobacco use policy and overseeing day-to-day compliance. The appropriate administrative division will address violations and habitual offenders of this policy.

## **Sanctions for Violations of Laws & Policies**

The laws of the State of Michigan and Eastern Michigan University's policies and rules prohibit the use of tobacco in public buildings.

### **Community Sanctions:**

- Violations of the Michigan Clean Indoor Air Act are subject to civil fines of not more than \$100 for the first violation and not more than \$500 for second or subsequent violations.
- Violations of the smoking prohibition at child care centers and child care institutions are subject to a stricter penalty of a fine not less than \$100 and not more than \$1,000.

### **University Sanctions:**

Violation of University policies and rules will be subject to campus disciplinary review and action as follows:

#### **Faculty and Staff:**

Disciplinary action will be taken as per applicable collective bargaining agreements and University policy up to and including termination of employment for habitual repeat offenders.

#### **Students:**

Students who violate this policy are subject to disciplinary action in accordance with the provisions of the Student Conduct Code. Sanctions for violations may include verbal warning, formal reprimand, probation, suspension or dismissal.

#### **Visitors:**

Violation of University rules and regulations by visitors could result in permanent removal from EMU properties.

## **Health Effects of Tobacco Use**

### **Smoking**

- Cigarette smoking increases the risk for many types of cancer, including cancers of the lip, oral cavity, and pharynx; esophagus; pancreas; larynx; lung; uterine cervix; urinary bladder; and kidney.

- Cigarette smokers are 2 – 4 times more likely to develop coronary heart disease than nonsmokers.
- Cigarette smoking approximately doubles a person’s risk for stroke.
- Cigarette smoking has many adverse reproductive and early childhood effects, including an increased risk for infertility, preterm delivery, stillbirth, low birth weight, and sudden infant death syndrome.

## **Second-Hand Smoke**

- Second-hand smoke is associated with an increased risk for lung cancer and coronary heart disease in nonsmoking adults. Second-hand smoke is a known human carcinogen (cancer-causing agent).
- Because their lungs are not fully developed, young children are particularly susceptible to second-hand smoke. Exposure is associated with an increased risk for sudden infant death syndrome, asthma, bronchitis, and pneumonia in young children.

## **Smokeless Tobacco**

- Smokeless tobacco contains 28 cancer-causing agents (carcinogens). It increases the risk of developing cancer of the oral cavity.
- Smokeless tobacco use can lead to nicotine addiction and dependence.

Assistance Available to Students, Faculty, Staff and Their Families at EMU:

University Health Services:

Medical Services (734) 487-1122

Health Education Program (734) 487-2226

For further information or a pdf downloadable version of the policy go to [www.emich.edu/uhs/tobaccopolicy.html](http://www.emich.edu/uhs/tobaccopolicy.html)

# **Acceptable Use of Information Technology Resources**

Information technology resources are provided by Eastern Michigan University to its students, faculty and administration in support of the University's mission. These resources include, but are not limited to, personal computers, workstations, mini- and mainframe computers and voice, data and video communication networks.

These guidelines apply to any user of any device, workstation, desktop computer, local area network or mainframe system provided by the University and attached to the University network or MichNet network. This document outlines the acceptable use of these resources, and will be reviewed on an annual basis.

## **Access to Information Technology Resources**

University faculty, administrators and staff are provided access to University information technology resources by virtue of their employment, and to institutional data by an appropriate steward. Students are provided access to University resources by virtue of their enrollment. Access to specific resources may be provided by appropriate academic departments. Other individuals may be provided access to University information technology resources through sponsorship by an appropriate University administrator.

## **Software Copyright Laws**

Eastern Michigan University is licensed to use numerous microcomputer and mainframe software programs. The University enters into a license agreement with the owner of each computer program pursuant to which the University and its employees assume certain legally binding obligations. Licensed computer software is intended for the use specifically authorized in such agreements, remains the intellectual property of the owner and is protected by copyright laws. The University endorses the

EDUCOM code of responsible software use as described in the publication *Using Software: A Guide to Ethical and Legal Use of Software for Members of the Academic Community*.

All University employees and students who use licensed software shall use that software only in accordance with the license agreement. There is no authority for an employee or student to violate the terms of a license agreement. To transfer the possession of any copy, modification or merged portion of any licensed program, whether gratuitously or for gain, shall be in violation of this procedure and is prohibited by the University. Such conduct may also violate state and federal law. Employees or students who make, acquire or use unauthorized copies of computer software or otherwise violate this procedure shall be subject to disciplinary action in accordance with the University policy. They may also be subject to personal liability under copyright law. Employees or students using personal software on University devices must demonstrate evidence of ownership.

## Acceptable Use

Eastern Michigan University is a member of Merit Network, Inc., and is connected to MichNet, the statewide higher education network, and to other networks provided by MichNet. As a member of Merit Network, Inc., the University complies with the MichNet Acceptable Use Policy. In addition to these policies, the University maintains and enforces this acceptable use procedure.

Users of University information technology resources agree to abide by applicable federal and state information technology laws, all applicable acceptable use policies, and all University policies and standards of conduct. The University's acceptable use procedure is based on the following principles:

- Respect for the privacy of other users. For example, users shall not obtain copies of files belonging to other users without permission, modify files or passwords belonging to other users, or represent themselves as other users.
- Respect for the legal protection by copyright and license to programs and/or data. For example, users shall not install or use illegal copies of licensed software.
- Respect for the security and integrity of information technology resources. For example, users shall not develop programs that harass other users, infiltrate or modify computer systems or networks, or damage or alter software or data components of a computer system.
- Open acknowledgment of use. For example, administrators of University resources are required to identify users of those resources. Account owners are responsible for any use of University resources made with their accounts.
- Departmental compliance. For example, administrators of open access computing labs may request that labs be attached to the University network if acceptable procedures are established to identify users. Departments may define additional "conditions of use" for resources under their control if these conditions are consistent with this procedure.

Specific features of the University's acceptable use procedure are:

1. No person shall intentionally and without proper authorization gain access to, alter, damage or destroy a computer system or computer network or the software program or data contained in a computer, computer system or computer network.
2. No person is authorized to utilize in any manner University computer equipment and software and other University equipment, whether owned or leased by the University, when such use would be for personal financial gain and unrelated to any legitimate academic pursuit, unless the use is pursuant to a contractual arrangement in advance of use providing for appropriate compensation to the University, or when such use would be in violation of any University contractual arrangement with equipment or software vendors or lessors, or computer network organizations.
3. No person without proper authorization may utilize computer equipment or programs to gain access to, copy or obtain for personal use or information, records or information owned or possessed by the University.
4. No person may copy or distribute software, or its documentation, without the permission of the copyright holder.

## Guidelines for Determining Acceptable Use

The intent of this procedure is to identify general uses which are consistent with the provision of information technology resources and the University's affiliation with Merit Network, Inc. It is not intended to enumerate all possible uses. This procedure is administered by the chief information officer. The University may determine if specific use of information technology resources is consistent with the provisions of this procedure. If a use is consistent with this procedure, then activities in a direct support of that use will be considered consistent. General guidelines for determining acceptable use include:

- Use for exchange of data or information for personal development, to maintain currency or debate issues in a field is acceptable.
- Use for disciplinary, professional, association or advisory activities related to the user's research and instructional activities is acceptable.
- Use in applying for or administering grants or contracts for research or instruction is acceptable.
- Use for general administrative activities and communication in support of research and instruction is acceptable.
- Use originating from a network of another authorized organization of an affiliated network which meets the acceptable use guidelines of that organization is acceptable.
- Use which is incidental to otherwise acceptable uses, except those which are illegal or specifically unacceptable, is acceptable.
- Development of computer systems which violate the guidelines outlined in this document is not acceptable.
- Establishing network connections which create routing patterns inconsistent with the effective and shared use of the University network is not acceptable. All planned network connections must be approved by the Division of Information Technology.
- Malicious use of any kind is not acceptable. Malicious use includes, but is not limited to, harassment of other users, attempts to develop or introduce virus programs to systems, attempts to cause system outages or attempts to discover passwords. All uses must be consistent with guiding ethical statements, applicable acceptable use policies and community standards. University resources must not be used in any way which violates applicable laws, regulations or University policies. Use of University resources or affiliated networks which precludes or hampers the use of those resources by others is not acceptable.
- Unsolicited advertising is not acceptable. Advertising is permitted on some mailing lists if the sponsored group explicitly sanctions advertising. Announcements of new products or services are acceptable providing they do not include solicitation for sale.
- Use of University resources for profit-making activities is not acceptable.
- Use of University resources for recreational games is not acceptable when such use restricts access of those resources by other users.

## **Violations**

Violations of these procedures should be reported to the chief information officer. Division of Information Technology staff will notify the responsible user, will take appropriate remedial actions and will inform appropriate University departments and/or affiliated networks of their actions. Departmental administrators responsible for managing University information technology resources may temporarily disable user accounts or workstations connected to the network if violations of this policy are suspected. Division of Information Technology staff should be informed of all such actions. Every effort will be made to inform affected users prior to disconnection, and every effort will be made to reestablish the connection as soon as it is deemed mutually acceptable. Any employee or student found to violate University standards of conduct will be subject to disciplinary action under University policy. Any suspected violation of state and federal information technology laws will be reported to the appropriate legal authority for investigation.

August 1996

## **EDUCOM Code**

Respect for intellectual labor and creativity is vital to academic discourse and enterprise. This principle applies to works of all authors and publishers in all media. It encompasses respect for the right to acknowledgment, right to privacy and right to

determine the form, manner and terms of publication and distribution. Because electronic information is volatile and easily reproduced, respect for the work and personal expression of others is especially critical in computer environments. Violations of authorial integrity, including plagiarism, invasion of privacy, unauthorized access and trade secret and copyright violations, may be grounds for sanctions against members of the academic community.

## **Using Software: A Guide to the Ethical and Legal Use of Software for Members of the Academic Community issued by EDUCOM and ADAPSO**

Here are some relevant facts:

1. Unauthorized copying of software is illegal. Copyright law protects software authors and publishers, just as patent law protects inventors.
2. Unauthorized copying of software by individuals can harm the entire academic community. If unauthorized copying proliferates on a campus, the institution may incur a legal liability. Also, the institution may find it more difficult to negotiate agreements that would make software more widely and less expensively available to members of the academic community.
3. Unauthorized copying of software can deprive developers of a fair return for their work, increase prices, reduce the level of future support and enhancement and inhibit the development of new software products.

Respect for the intellectual work and property of others has traditionally been essential to the mission of colleges and universities. As members of the academic community, we value the free exchange of ideas. Just as we do not tolerate plagiarism, we do not condone the unauthorized copying of software, including programs, applications, data bases and code. Therefore, we offer the following statement of principle about intellectual property and the legal and ethical use of software. This "code"-intended for adaptation and use by individual colleges and universities - was developed by the EDUCOM Software Initiative.

### **Classification of Software**

In terms of copyright, there are four broad classifications of software:

- Commercial
- Shareware
- Freeware
- Public Domain

The restrictions and limitations regarding each classification are different.

#### **Commercial**

Commercial software represents the majority of software purchased from software publishers, commercial computer stores, etc. When you buy software, you are actually acquiring a license to use it, not own it. You acquire the license from the company that owns the copyright. The conditions and restrictions of the license agreement vary from program to program and should be read carefully. In general, commercial software licenses stipulate that:

- the software is covered by copyright,
- although one archival copy of the software can be made, the backup copy cannot be used except when the original package fails or is destroyed,
- modifications to the software are not allowed,
- decompiling (i.e., reverse engineering) of the program code is not allowed without the permission of the copyright holder.

#### **Shareware**

Shareware software is covered by copyright, as well. When you acquire software under a shareware arrangement, you are actually acquiring a license to use it, not own it. You acquire the license from the individual or company that owns the copyright. The conditions and restrictions of the license agreement vary from program to program and should be read carefully. The copyright holders for shareware allow purchasers to make and distribute copies of the software, but demand that if, after testing the software, you adopt it for use, you must pay for it. In general, shareware software licenses stipulate that:

- the software is covered by copyright,
- although one archival copy of the software can be made, the backup copy cannot be used except when the original package fails or is destroyed,
- modifications to the software are not allowed,
- decompiling (i.e., reverse engineering) of the program code is not allowed without the permission of the copyright holder,
- development of new works built upon the package (derivative works) is not allowed without the permission of the copyright holder.

Selling software as shareware is a marketing decision; it does not change the legal requirements with respect to copyright. That means that you can make a single archival copy, but you are obliged to pay for all copies adopted for use.

### **Freeware**

Freeware also is covered by copyright and subject to the conditions defined by the holder of the copyright. The conditions for freeware are in direct opposition to normal copyright restrictions. In general, freeware software licenses stipulate that:

- the software is covered by copyright,
- copies of the software can be made for both archival and distribution purposes but that distribution cannot be for profit,
- modifications to the software is allowed and encouraged,
- decompiling (i.e., reverse engineering) of the program code is allowed without the explicit permission of the copyright holder,
- development of new works built upon the package (derivative works) is allowed and encouraged with the condition that derivative works must also be designated as freeware. That means that you cannot take freeware, modify or extend it, and then sell it as commercial or shareware software.

### **Public Domain**

Public domain software comes into being when the original copyright holder explicitly relinquishes all rights to the software. Since under current copyright law, all intellectual works (including software) are protected as soon as they are committed to a medium, for something to be public domain it must be clearly marked as such. Before March 1, 1989, it was assumed that intellectual works were not covered by copyright unless the copyright symbol and declaration appeared on the work. With the United States adherence to the Berne Convention this presumption has been reversed. Now all works assume copyright protection unless the public domain notification is stated. This means that for public domain software:

- copyright rights have been relinquished,
- software copies can be made for both archival and distribution purposes with no restrictions as to distribution,
- modifications to the software are allowed,
- decompiling (i.e., reverse engineering) of the program code is allowed,
- development of new works built upon the package (derivative works) is allowed without the distribution or use of the derivative work.

## **Questions You May Have about Using Software**

### *A. What do I need to know about software and the U.S. Copyright Act?*

Unless it has been placed in the public domain, software is protected by copyright law. The owner of a copyright holds exclusive right to the reproduction and distribution of his or her work. Therefore, it is illegal to duplicate or distribute

software or its documentation without the permission of the copyright owner. If you have purchased your copy, however, you may make a back-up for your own use in case the original is destroyed or fails to work.

B. *Can I loan software I have purchased myself?*

If your software came with a clearly visible license agreement, or if you signed a registration card, read the license carefully before you use the software. Some licenses may restrict use to a specific computer. Copyright law does not permit you to run your software on two or more computers simultaneously unless the license agreement specifically allows it. It may, however, be legal to loan your software to a friend temporarily as long as you do not keep a copy.

C. *If software is not copy-protected, do I have the right to copy it?*

Lack of copy-protection does not constitute permission to copy software in order to share or sell it. "Non-copy-protected" software enables you to protect your investment by making a back-up copy. In offering non-copy-protected software to you, the developer or publisher has demonstrated significant trust in your integrity.

D. *May I copy software that is available through facilities on my campus, so that I can use it more conveniently in my own room?*

Software acquired by colleges and universities is usually licensed. The licenses restrict how and where the software may be legally used by members of the community. This applies to software installed on hard disks in microcomputer clusters, software distributed on disks by a campus lending library and software available on a campus mainframe or network. Some institutional licenses permit copying for certain purposes. Consult your campus authorities if you are unsure about the use of a particular software product.

E. *Isn't it legally "fair use" to copy software if the purpose in sharing is purely educational?*

No. It is illegal for a faculty member or student to copy software for distribution among the members of a class, without permission of the author or publisher.

## Alternatives to Explore

Software can be expensive. You may think that you cannot afford to purchase certain programs that you need. But there are legal alternatives to unauthorized copying.

### Site Licensed and Bulk-Purchased Software

Your institution may have negotiated agreements that make software available either to use or to purchase at special prices. Consult your campus computing office for information. Software available through institutional site licenses or bulk purchases is subject to copyright and license restrictions, and you may not make or distribute copies without authorization.

### Shareware

Shareware, or "user-supported" software, is copyrighted software that the developer encourages you to copy and distribute to others. This permission is explicitly stated in the documentation or displayed on the computer screen. The developer of shareware generally asks for a small donation or registration fee if you like the software and plan to use it. By registering, you may receive further documentation, updates and enhancements. You are also supporting future software development.

### Public Domain Software

Sometimes authors dedicate their software to the public domain, which means that the software is not subject to any copyright restrictions. It can be copied and shared freely. Software without copyright notice is often, but not necessarily, in the public domain. Before you copy or distribute software that is not explicitly in the public domain, check with your campus computing office.

## A Final Note

Restrictions on the use of software are far from uniform. You should check carefully each piece of software and the accompanying documentation yourself. In general, you do not have the right to:

1. Receive and use unauthorized copies of software, or
2. Make unauthorized copies of software for others.

If you have questions not answered by this brochure about the proper use and distribution of a software product, seek help from your computing office, from the software developer or publisher.

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## **MichNet Policies**

### **MichNet Acceptable Use Policy**

*12 January 2001*

#### **Purpose**

The purpose of MichNet is given in Merit Network, Inc.'s bylaws which state that "in pursuance of its mission in instruction, research and service it is the role of Merit as the operator of a high-speed digital communications network to contribute broadly to educational and economic development in Michigan."

#### **Acceptable Use**

This statement represents a guide to the acceptable use of MichNet. Any member or affiliate organization or individual connected to MichNet in order to use the Michigan statewide network, or any other networks which are used as a result of their MichNet connection, must comply with this policy and the stated purposes and acceptable use policies of any other networks or hosts used. Each member and affiliate organization is responsible for the activity of its users and for ensuring that its users are familiar with this policy or an equivalent policy. In addition each member and affiliate is encouraged to maintain and enforce its own acceptable use policies. The provisions of this policy govern all use of MichNet, including any unsupervised anonymous network access offered by members or affiliates. The following guidelines will be applied to determine whether or not a particular use of MichNet is appropriate:

- Users must respect the privacy of others; for example, users shall not intentionally seek information on, obtain copies of, or modify files, other data or passwords belonging to others, or represent themselves as another user unless explicitly authorized to do so by that user.
- Users must respect the legal protection provided by copyright and license to programs and data.
- Users must respect the integrity of computing and network systems; for example, users shall not intentionally develop or use programs that harass other users or infiltrate a computer, computing system or network and/or damage or alter the software components of a computer, computing system or network.
- Use should be consistent with guiding ethical statements and accepted community standards. Malicious use is not acceptable.
- MichNet may not be used in ways that violate applicable laws or regulations.
- Use of MichNet and any attached network in a manner that precludes or significantly hampers its use by others is not allowed.
- Connections which create routing patterns that are inconsistent with the effective and shared use of the network may not be established.
- Unsolicited advertising is not acceptable. Advertising is permitted on some web sites, mailing lists, news groups and similar environments if advertising is explicitly allowed in that environment.



- Repeated, unsolicited and/or unwanted communication of an intrusive nature is not acceptable. For example, continuing to send e-mail messages to an individual after being asked to stop is not acceptable.

The intent of this policy is to make clear certain uses which are and are not appropriate, not to exhaustively enumerate all such possible uses. Using the guidelines given above, Merit may at any time make determinations that particular uses are or are not appropriate. Merit will not monitor or judge the content of information transmitted over MichNet, but will investigate complaints of possible inappropriate use. In the course of investigating complaints, Merit staff will safeguard the privacy of all parties and will themselves follow the guidelines given in this policy. Merit will only release sensitive, confidential or personally identifiable information to third parties when required by law or when in Merit's judgment release is required to prevent serious injury or harm that could result from violation of this policy.

## **Remedial Action**

When Merit learns of possible inappropriate use, Merit staff will notify the member or affiliate responsible, which must take immediate remedial action and inform Merit of its action. In an emergency, in order to prevent further possible inappropriate activity, Merit may temporarily disconnect a member or affiliate from MichNet. If this is deemed necessary by Merit staff, every effort will be made to inform the member or affiliate prior to disconnection, and every effort will be made to re-establish the connection as soon as it is mutually deemed safe. Any determination of inappropriate use serious enough to require disconnection shall be promptly communicated to every member of the Merit Board of Directors through an established means of publication.

# Students

## Catalog Terminology

### Prerequisites

A course or requirement that needs to be met prior to taking another course.

### Concurrent Prerequisites

A course or requirement that needs to be met either before or at the same time as another course is taken.

### Corequisites

A course or requirement that needs to be taken at the same time as another course.

### Class Restrictions

A restriction on whether you have to be a Freshmen, Sophomore, Junior, Senior or Graduate student to take the course.

### Major Restrictions

A restriction on whether you have to be in a specific program to take the course.

### Cross-listed with

Some courses are listed under multiple departments. HIST335 is cross-listed with WGST335. They are the same class but since the class involves both history and women and gender studies the course is listed under both departments.

## Frequently Asked Questions

### Catalog Questions

#### Q. Which catalog should I be using?

A. Each student should use the catalog that was current during the first semester they started school at Eastern or any catalog that is published from there after.

#### Q. Where can I get a printed catalog?

A. There are no longer any printed catalogs, everything is online.

### Degree Questions

#### Q. When to register

A. The following websites give more information on registration and registration appointments:

<http://www.emich.edu/registrar/calendars/appointments.php>

[http://www.emich.edu/registrar/registration\\_info/](http://www.emich.edu/registrar/registration_info/)

**Q. Where do I go to register for classes?**

A. My.emich.edu

**Q. Which 400-level courses can be taken for graduate credit?**

A. In the catalog, at the bottom of each graduate program, there is a list of graduate courses available for graduate credit. You may take up to nine hours (three courses) of 400-level courses with the approval of your advisor. Before you take these courses, you must complete a request for graduate credit form. In order for these courses to count toward your graduate degree, you must talk with the instructor before taking the course and agree on the additional work you will complete so that the course is appropriate for graduate-level study.

**Questions to ask an advisor about:**

Q. If I have a degree in \_\_\_\_\_, which graduate programs could I apply for?

Q. Which graduate programs offer online courses?

Q. What is the admissions process?

**Answers to other FAQ can be found at the websites listed below:**

**Graduate Student FAQ**

[www.emich.edu/english/graduate/faq.php](http://www.emich.edu/english/graduate/faq.php)

**Office of Records and Registration FAQ**

<http://www.emich.edu/registrar/faq/>

**Financial Aid FAQ**

<http://www.emich.edu/finaid/quicklinks/index.php>

**Academic Advising FAQ**

<http://www.emich.edu/aac/faqs.htm>

**Thesis and Dissertation**

[gradschool.emich.edu/student/student\\_subdir/stud\\_research/thesisdissertation/thesisdissert\\_subdir/quest\\_answers.html](http://gradschool.emich.edu/student/student_subdir/stud_research/thesisdissertation/thesisdissert_subdir/quest_answers.html)

**University Health Services FAQ**

<http://www.emich.edu/uhs/pages/faq.php>

**Office of International Students FAQ**

<http://www.emich.edu/ois/faq.html>

**Child Care FAQ**

<http://www.emich.edu/childrensinstitute/pages/faq.php>

**Eagle Mail FAQ**

<http://www.emich.edu/training/email/cal/cal-5-faq.php>

**Mail Services FAQ**

[http://www.emich.edu/purchasing/ms\\_faq.htm](http://www.emich.edu/purchasing/ms_faq.htm)

**ResNet and Internet FAQ**

<http://it.emich.edu/resnet/faq.cfm>

<http://it.emich.edu/howdoi/>

# **Administrative Officers**

## **Board of Regents**

Chair: Roy E. Wilbanks  
Vice Chair: Francine Parker  
Floyd Clack  
Gary D. Hawks  
Philip A. Incarnati  
Mohamed Okdie  
Thomas W. Sidlik  
James F. Stapleton

## **Office of the President and Strategic Operations Council**

President: Susan W. Martin  
Provost and Executive Vice President for Academic Affairs: Jack Kay  
Vice President for Advancement and Executive Director of EMU Foundation:  
Chief Financial Officer, Business and Finance: John Lumm  
Vice President for Student Affairs and Enrollment Management (Interim): Bernice Lindke  
Associate Vice President of University Marketing and Communication: Walter Kraft  
Executive Director of Intercollegiate Athletics: Derrick Gragg  
General Counsel/University Attorney: Gloria Hage  
Chief Information Officer (Interim): Carl Powell  
Chief Government Relations Officer: Freman Hendrix

## **Intercollegiate Athletics**

Executive Director: Derrick Gragg

## **Legal Affairs**

University Attorney: Gloria Hage

## **University Marketing and Communications**

Associate Vice President of University Marketing and Communication: Walter Kraft

## **Division of Academic Affairs**

### **Office of the Provost**

Provost and Vice President for Academic Affairs: Jack Kay  
Executive Associate to the Provost for Development: Dennis Beagen  
Associate Provost and Associate Vice President for Research (Interim): Robert Neely  
Associate Vice President for Academic Programming: Bette Warren  
Dean of Graduate Studies (Interim): Deb DeLaski-Smith

## **Division of Advancement**

Vice President for Advancement and Executive Director of the EMU Foundation:  
Director of Alumni Relations: Vicki Reaume

## **Division of Business and Finance**

Chief Financial Officer, Business and Finance: John Lumm  
Associate Vice President, Facilities: John Donegan  
Assistant Vice President and Controller:

## **Human Resources**

Associate Vice President of Human Resources (Interim): Karen Simpkins

## **Division of Student Affairs and Enrollment Management**

Vice President (Interim): Bernice A. Lindke  
Associate Vice President: Vacant  
Assistant Vice President for Student Affairs: Glenna Frank Miller  
Assistant Vice President for Retention and Student Success: Lynette Findley

## **Academic Advising Center**

Director: Vacant

## **Admissions**

Director: Kathy Orscheln

## **Campus Life**

Director: Melissa Ginotti

## **Career Services Center**

Director (Interim): Sarah Kersey Otto

## **Dining Services**

Director: Larry Gates

## **Diversity and Community Involvement**

Director: Kay Woodiel

## **EMU Student Center**

Director: Carlos Costa

## **Financial Aid**

Director: Cynthia Van Pelt

## **Financial Services, Student Affairs**

Director: Brian Kulpa

## **Holman Learning Center**

Director: Mark Jackson

## **Housing**

Director: Rebecca J. Figura

## **International Students, Office of**

Director: Esther Gunel

## **Ombudsman**

Gregory A. Peoples

## **Records and Registration**

Registrar: Christina Shell

## **Recreation/Intramurals**

Director: Robert W. England

## **Service EMU**

Director: Gretchen Ward

## **Student Judicial Services**

Director: Jesús Hernández

## **Student Media**

Director: Kevin Devine

## **Students with Disabilities Office**

Director: Vacant

## **University Health Services**

Executive Director: Ellen Gold

- Children's Institute, Director: Chris Aris
- Counseling Services, Director: Lisa Lauterbach
- Health Education and Wellness Programs, Director: Vacant
- Medical Services, Chief of Medical Staff: Kimberly Keller, M.D.



# Faculty

## Accounting and Finance

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Bunsis, Howard (1998) Professor; Ph.D.; University of Chicago  
Burilovich, Linda (1991) Professor; Ph.D.; University of Michigan  
Diallo, Alahassane (1985) Professor; Ph.D.; Ohio State University  
Etter, Edwin (2002) Assistant Professor; Ph.D.; Ohio State University  
Garg, Ramesh C. (1978) Professor; D.B.A.; Kent State University  
Hanson, Robert C. (1996) Professor; Ph.D.; University of Utah  
Hwang, Angela (2002) Associate Professor; Ph.D.; University of Houston  
Kattelus, Susan C. (1990) Professor and Department Head; Ph.D.; Michigan State University  
Keener, Mary (2005) Assistant Professor; Ph.D. pending; Kent State University  
Khan, Zafar U. (1989) Professor; Ph.D.; Louisiana State University  
Kiss, Robert M. (1990) Associate Professor; Ph.D.; Kent State University  
Kramer, Morrey (1984) Associate Professor; Ph.D.; University of Michigan  
LaGore, William (2006) Assistant Professor; Ph.D. pending; Florida State University  
Lewis, Philip (2005) Assistant Professor; Ph.D.; University of Cincinnati  
Mahoney, Lois (2004) Assistant Professor; Ph.D.; University of Central Florida  
McCombs, Gary B. (1982) Associate Professor; M.B.A.; University of Michigan  
Moeller, Susan (1990) Professor; Ph.D.; Michigan State University  
Okopny, Robert D. (1988) Professor; Ph.D.; Texas A&M University  
Rahman, Mahmud (1991) Professor; Ph.D.; University of Texas-Arlington  
Ross, Barbara W. (2003) Professor; Ph.D.; Michigan State University  
Scazzero, Joseph (2001) Professor; Ph.D.; Pennsylvania State University  
Snyir, Andrew (1984) Professor; Ph.D.; Purdue University  
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## African American Studies

Okafor, Victor O. (1995) Professor; Ph.D.; Temple University  
Perry, Robert L. (1997) Professor; Ph.D.; Wayne State University  
Peters, Melvin T. (1992) Associate Professor; Ph.D.; Michigan State University  
Semmes, Clovis E. (1988) Professor; Ph.D.; Northwestern University  
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## Art

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Fairfield, Richard (1963) Professor; M.F.A.; University of Illinois  
Hyndman, Christopher (2001) Assistant Professor; M.F.A.; Ohio University  
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Liu, Beili (2005) Assistant Professor, M.F.A.; University of Michigan

Maniotes, Andrew (2002) Assistant Professor; M.F.A.; Minneapolis College of Art and Design  
Molloy, Ryan (2004) Assistant Professor, M.F.A., University of Texas  
Myers, Julia (1990) Professor; Ph.D.; University of Maryland  
Nelson, Brian (2000) Assistant Professor; M.F.A.; Michigan State University  
Otto, Gretchen (1987) Professor; Ph.D.; Pennsylvania State University  
Pancioli, Diana (1991) Associate Professor; M.F.A.; Alfred University  
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Reedy, Michael (2005) Assistant Professor, M.F.A.; Northern Illinois University  
Rubinfeld, Richard (1986) Professor; Ph.D.; Ohio State University  
Ruggiero, Maria F. (2001) Assistant Professor; M.F.A.; Kent State University  
Sacksteder, Amy. (2006) Assistant Professor; M.F.A.; University of Northern Illinois  
Schwartz, Ellen (1977) Professor; Ph.D.; Institute of Fine Arts-New York  
Suchan, Thomas (2003) Assistant Professor, Ph.D., Ohio State University  
Tammany, David D. (1966) Professor; M.F.A.; Tulane University;  
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Washington, Richard (1970) Associate Professor; M.A.; Eastern Michigan University  
Williams, Patricia J. (1976) Professor; M.F.A. Indiana University  
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## **Biology**

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Bach, Catherine E. (1991) Professor; Ph.D.; University of Michigan  
Bednekoff, Peter (1997) Professor; Ph.D.; Oxford University  
Booth, Howard D. (1967) Professor; Ph.D.; Michigan State University  
Clemans, Daniel (2000) Associate Professor; Ph.D.; University of Minnesota  
Eisenbach, Jamin (1990) Professor; Ph.D.; University of California-Berkley  
Francoeur, Steve (2002) Associate Professor, Ph.D.; University of Alabama  
Greco, Tamara (1996) Associate Professor; Ph.D.; University of Wisconsin-Madison  
Hannan, Gary L. (1982) Professor; Ph.D.; University of California-Berkeley  
Judd, Kristin (2007) Assistant Professor; Ph.D.; University of Michigan  
Kass, David (1996) Professor; Ph.D.; University of South Carolina  
Kurta, Allen (1988) Professor; Ph.D.; Boston University  
Laporte, Marianne M. (2001) Associate Professor; Ph.D. University of Wisconsin  
Liepman, Aaron (2006) Assistant Professor; Ph.D.; University of Michigan  
Liggit, Peggy (1998) Associate Professor; Ph.D.; University of Nevada-Reno  
Neely, Robert K. (1984) Professor and Associate Vice President, Academic Affairs; Ph.D.; Iowa State University  
Reinhardt, Ulrich (2000) Associate Professor; Ph.D.; University of British Columbia  
Shillington, Cara (2001) Associate Professor; Ph.D.; Oklahoma State University  
VandenBosch, James L. (1987) Professor; Ph.D.; University of Michigan  
Walker, Glenn K. (1976) Professor; Ph.D.; University of Maryland  
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## **Bruce T. Halle Library**

Badics, Joseph (1993) Instructor; M.L.S.; University of Michigan  
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Bucciarelli, Elizabeth (1993) Assistant Professor; M.A.L.S.; Wayne State University  
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Cheng, Rachel J. (2002) Professor and University Librarian; M.L.S.; University of Michigan  
deVries, Susann (2004) Instructor; M.L.I.S.; Wayne State University

Fabian, Sarah (2002) Instructor; M.A.; Wayne State University  
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Hogan, Walter P. (1984) Professor; A.M.L.S.; University of Michigan  
Kelly, Robert (2006) Assistant Professor; M.S.; Eastern Michigan University  
Klopper, Lisa (2000) Associate Professor; M.I.S.; University of Michigan  
Lucas, Raymond (1985) Assistant Professor; M.A.; University of Michigan  
Memmot, Sara (2007) Instructor; M.S.; University of Illinois  
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Stanger, Keith J. (1974) Assistant Professor; M.L.S.; University of Illinois  
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## **Chemistry**

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Contis, Ellene T. (1971) Professor; Ph.D.; University of Michigan  
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Kennedy, Vance O. (1996) Professor; Ph.D.; Case Western Reserve University  
Kolopajlo, Lawrence H. (2002) Assistant Professor; Ph.D.; Western Michigan University  
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Snyder, Donald, M. (1993) Professor; Ph.D.; Purdue University  
Tornquist, Wade J. (1986) Professor and Associate Dean of College of Arts and Sciences; Ph.D.; University of Minnesota  
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## **Communication, Media and Theatre Arts**

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Evans, Gary L. (1970) Professor; Ph.D.; University of Michigan  
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Patrick, Dennis P. (1996) Professor; Ph.D.; University of Texas  
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## **Computer Information Systems**

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Mrdalj, Stevan (1987) Professor; Ph.D.; University of Belgrade, Serbia and Montenegro  
Saxon, Charles S. (1976) Professor; Ph.D.; University of Michigan  
Schoenherr, Tobias (2005) Assistant Professor; Ph.D.; Indiana University  
Sokkar, Fathi F. (1971) Professor; Ph.D.; University of Illinois  
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## **Computer Science**

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Höft, Hartmut F.W. (1970) Professor; Ph.D.; University of Houston  
Ikeji, Augustine C. (1988) Associate Professor; Ph.D.; Wayne State University  
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Maniccam, Suchindran (2001) Associate Professor; Ph.D.; State University of New York at Binghamton

McMillan, William W. (1984) Professor; Ph.D.; Case Western Reserve University  
Moore, Pamela A. (1985) Instructor; M.S.; Michigan State University  
Narayanan, Krishnakumari (2002) Assistant Professor; Ph.D.; Oakland University  
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Moreland, Kemper (1980) Professor; Ph.D.; University of Wisconsin  
Pearson, Donald W. (1970) Professor; Ph.D.; University of Texas  
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Thornton, James (1991) Professor; Ph.D.; University of Oregon  
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## **Engineering Technology**

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Chapman, Robert E. (1992) Assistant Professor; Ph.D.; Yale University  
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Fields, Daniel J. (1986) Professor and Department Head; Ph.D.; Michigan State University  
Greenfield, M.C. (2005) Assistant Professor; MS; Southern Illinois University  
Jones, Louise (1990) Professor; Ph.D.; University of Michigan  
Kanagy, Max E. (1986) Professor; Ph.D.; Ohio State University  
Lahidji, Bob (Behrooz) (1994) Professor and Director; Ph.D.; University of Missouri-Columbia  
Lin, Su-Chen Jonathon (1988) Professor; Ph.D.; Iowa State University  
Lokensgard, Erik (1986) Professor; Ph.D.; Iowa State University  
Love, Dian (2002) Assistant Professor; M.S.; University of Michigan  
Lu, Jiang (2003) Assistant Professor; Ph.D.; Indiana University  
Lyons, Harvey (1998) Associate Professor; Ph.D.; Ohio State University  
Mannari, Vijaykumar(2002) Assistant Professor; Ph.D.;Sadar Patal University  
Mitchell, James G. (Greg) (2000) Associate Professor; Ph.D.; Wayne State University  
Moylan, William (2001) Instructor; Ph.D.; Capella University  
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## **English Language and Literature**

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Eiss, Harry E. (1987) Professor; Ph.D.; University of North Dakota  
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Larson, Russell R. (1970) Professor; Ph.D.; University of Michigan  
Lucy, Robin (2002) Assistant Professor; Ph.D.; McMaster University  
Miller, Bernard A. (1987) Professor; Ph.D.; Purdue University  
Morris, Tracie (2005) Assistant Professor; Ph.D.; New York University  
Most, Sheila (1971) Professor; Ph.D.; Northwestern University  
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Norton, Alexandra M. (1989) Professor; Ph.D.; University of California-Berkeley  
Parker, Jeff (2004) Assistant Professor; M.F.A.; Syracuse University  
Pinson, James (1990) Professor; Ph.D.; University of Missouri-Columbia  
Schlagheck, Carol (1995) Professor; Ph.D.; Bowling Green University  
Seely, Daniel T. (1988) Professor; Ph.D.; University of Massachusetts at Amherst  
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Tucker, William (1993) Professor; Ph.D.; Boston College  
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## **Foreign Language and Bilingual Studies**

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Damiano, Carla A. (2001) Assistant Professor; Ph.D.; University of Oregon  
Day, Catherine E. (1982) Professor; Ph.D.; University of Illinois  
Dugan, Sanford J. (1974) Professor; Ph.D.; Washington University, Missouri  
Holoka, James P. (1974) Professor; Ph.D.; University of Michigan  
Illingworth-Rico, Alfonso (1994) Associate Professor; Ph.D.; University of Arizona  
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Nerenz, Anne G. (1986) Professor; Ph.D.; University of Wisconsin  
Oketani-Lobbezoo, Hitomi (1996) Associate Professor; Ph.D.; University of Toronto  
Palmer, Benjamin W. (1970) Professor; Ph.D.; Northwestern University  
Peden, Genevieve (1992) Professor; Ph.D.; Michigan State University  
Popko, Alexander Jeffrey (2005) Assistant Professor; Ph.D.; University of Northern Arizona  
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Voght, Geoffrey M. (1971) Professor; Ph.D.; University of Michigan  
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## **Geography and Geology**

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Poli, Serena M. (2000) Associate Professor; Ph.D.; University of Padova, Italy  
Rutherford, Sandra (2003) Assistant Professor; Ph.D.; University of Western Ontario, Canada  
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## **Health Promotion and Human Performance**

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Nair, Muralidaran (2000) Associate Professor; Ph.D.; University of Virginia  
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## Health Sciences

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Francis-Connolly, Elizabeth (1991) Professor; Ph.D.; University of Michigan  
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Hammerberg, Gary (1984) Assistant Professor; Ed.D.; Western Michigan University  
Hansen, Ruth (1976) Professor Emeritus; Ph.D.; Wayne State University  
Haque, Rubina (2006) Assistant Professor; Ph.D.; Wayne State University  
Howells, Valerie (1998) Professor; Ph.D.; Cambridge Graduate School of Psychology  
Lemerand, Pamela (2005) Assistant Professor; Ph.D.; University of Michigan  
Liepa, George U. (1995) Professor; Ph.D.; Iowa State University  
Mistry, Anahita (2005) Assistant Professor; Ph.D.; University of Hyderabad, India.  
Olson, Judith (1991) Professor Emeritus; Ph.D.; Wayne State University  
Rainville, Alice Jo (1998) Professor; Ph.D.; University of Texas-Houston  
Reeves, Gretchen D. (2001) Associate Professor; Ph.D.; University of Michigan  
Shetron-Rama, Lynne (2007) Assistant Professor; Ph.D.; Wayne State University  
Silverman, Deborah W. (1979) Assistant Professor; M.S.; University of Cincinnati  
Sonstein, Stephen (1984) Professor; Ph.D.; Hahneman Medical College  
Thomas, David (1997) Associate Professor; Ed.D.; Temple University  
Walsh, Pamela (2005) Assistant Professor; M.A.; Wayne State University  
Yaczak, Jayne (2008) Instructor; MS, Eastern Michigan University

## History and Philosophy

Bruya, Brian (2004) Assistant Professor; Ph.D.; University of Hawaii  
Cassar, George H. (1968) Professor; Ph.D.; McGill University  
Chamberlain, Kathleen P. (2001) Associate Professor; Ph.D.; University of New Mexico



Citino, Robert (1991) Professor; Ph.D.; Indiana University  
Crouch, Margaret (1987) Professor; Ph.D.; University of Minnesota  
Delph, Ronald (1993) Associate Professor; Ph.D.; University of Michigan  
Dieterle, Jill Marie (1998) Associate Professor; Ph.D.; Ohio State University  
Egge, James (2002) Associate Professor; Ph.D.; University of Chicago  
Engwenyu, Joseph (1994) Instructor; ABD; University of Dalhousie  
Graves, Pamela (1989) Associate Professor; Ph.D.; University of Pittsburgh  
Higbee, Mark (1995) Professor; Ph.D.; Columbia University  
Holoka, James P. (1974) Professor; Ph.D.; University of Michigan  
Homel, Michael W. (1970) Professor; Ph.D.; University of Chicago  
Jones, Michael T. (1973) Professor; Ph.D.; Ohio State University  
Long, Roger D. (1990) Professor; Ph.D.; University of California  
McCurdy, John (2004) Assistant Professor; Ph.D.; Washington University  
Mehuron, Kate (1989) Professor; Ph.D.; Vanderbilt University  
Moss, Walter G. (1970) Professor; Ph.D.; Georgetown University  
Murcher, Stephen (2003) Assistant Professor; Ph.D.; University of Michigan  
Nation, Richard F. (2001) Associate Professor; Ph.D.; University of Michigan  
Nelson, Gersham A. (1997) Professor; Ph.D.; University of Illinois-Chicago  
Olwell, Russell B. (1999) Associate Professor; Ph.D.; Massachusetts Institute of Technology  
Pritchard, Linda K. (2002) Professor; Ph.D.; University of Pittsburgh  
Ramold, Steven (1999) Assistant Professor; Ph.D.; University of Nebraska  
Reed, Michael H. (1987) Professor; Ph.D.; University of Minnesota  
Schmitz, Philip C. (1993) Associate Professor; Ph.D.; University of Michigan  
Schott, Linda K. (2003) Professor; Ph.D.; Stanford University  
Vinyard, JoEllen (1986) Professor; Ph.D.; University of Michigan  
Watson, Paula Lori (2004) Assistant Professor; Ph.D.; University of Illinois-Chicago

## **Leadership and Counseling**

Ametrano, Irene M. (1981) Professor; Ed.D.; Rutgers University  
Anderson, David (1999) Associate Professor; Ed.D.; University of Michigan  
Barott, James E. (1998) Associate Professor; Ph.D.; University of California-Santa Barbara  
Berry, James E. (1991) Professor; Ed.D.; University of Missouri-Columbia  
Bleyaert, Barbara A. (2005) Assistant Professor; Ed.D.; Eastern Michigan University  
Broughton, Elizabeth (1997) Associate Professor; Ed.D.; University of Florida  
Burton, Ella (2000) Associate Professor; Ed.D.; Wayne State University  
Callaway, Yvonne L. (1992) Professor; Ph.D.; Wayne State University  
Choudhuri, Devika (2001) Associate Professor; Ph.D.; Syracuse University  
Dugger, Suzanne M. (1998) Associate Professor; Ed.D.; Western Michigan University  
Flowers, Ronald D. (2006) Assistant Professor; Ed.D.; Eastern Michigan University  
Francis, Perry (2005) Associate Professor; EdD; University of Northern Colorado  
Marx, Gary (2005) Assistant Professor; EdD; Wayne State University  
Parfitt, Diane (2006) Assistant Professor; Ph.D.; University of Toledo  
Price, William J. (1991) Professor; Ph.D.; Michigan State University  
Stickel, Sue A. (1991) Professor; Ph.D.; University of Wyoming  
Tack, Martha W. (1990) Professor; Ph.D.; University of Alabama  
Tracy, Jaclynn C. (1992) Professor and Department Head; Ph.D.; Michigan State University  
Williamson, Ronald D. (2001) Professor; Ed.D.; Eastern Michigan University  
Zamani-Gallaher, Eboni M. (2001) Associate Professor; Ph.D.; University of Illinois

## **Management**

Banerji, Kunal (1992) Assistant Professor; Ph.D.; University of Kentucky  
Blanchard, Nick P. (1979) Professor; Ph.D.; Wayne State University  
Bush-Bacelis, Jean (1984) Professor; Ph.D.; Wayne State University  
Camp, Richard R. (1979) Professor; Ph.D.; Wayne State University  
Chowdry, Pradeep (1980) Associate Professor; Ph.D.; University of Arkansas  
Chowdhury, Sanjib (1999) Associate Professor; Ph.D.; University of North Texas  
Endres, Megan (1998) Assistant Professor; Ph.D.; University of North Texas  
Frye, Crissie M. (2000) Assistant Professor; Ph.D.; University of Iowa  
Huszczko, Gregory E. (1978) Professor; Ph.D.; Michigan State University  
Isenhour, Linda (2004) Assistant Professor; University of Central Florida  
McEnery, Jean M. (1980) Professor; Ph.D.; Wayne State University  
Milner, Morgan (2004) Assistant Professor; Ph.D.; Michigan State University  
Newell, Stephanie E. (1994) Associate Professor; Ph.D.; University of Massachusetts-Amherst  
Schulz, Eric (2000) Associate Professor; Ph.D.; Rutgers University  
Tanguay, Denise (1986) Professor; Ph.D.; University of Michigan  
Tubbs, Stewart L. (1986) Professor; Ph.D.; University of Kansas  
Victor, David A. (1985) Professor; Ph.D.; University of Michigan  
Vielhaber, Mary E. (1977) Professor; Ph.D.; University of Michigan  
Wagner-Marsh, Fraya C. (1982) Professor and Department Head; D.B.A.; Memphis State University  
Waltman, John L. (1985) Professor; Ph.D.; University of Texas  
Wong, Diana (1999) Associate Professor; Ph.D.; University of Massachusetts

## Marketing

Allbright, David E. (2005) Assistant Professor; Ph.D.; University of Georgia  
Barton, Daryl L. (1975) Associate Professor; J.D.; University of Michigan  
Chao, Paul (2004) Professor; Ph.D.; University of Washington  
Davis, Judy (1993) Professor; Ph.D.; Michigan State University  
Defebaugh, Sandra J. (1987) Associate Professor; J.D.; Detroit College of Law  
Edwards, Elizabeth A. (1992) Professor; Ph.D.; University of Michigan  
Fullerton, Sam (1982) Professor; Ph.D.; Michigan State University  
McCullough, Tammy M. (1994) Professor; Ph.D.; University of Washington  
McSurely, Hugh B. (1981) Professor; Ph.D.; Syracuse University  
Merz, G. Russell (1982) Professor; Ph.D.; Michigan State University  
Neuhaus, Colin F. (1969) Professor; Ph.D.; University of Michigan  
Percy, Dawn H. (2002) Assistant Professor; Ph.D.; Florida State University  
Persinger, Elif (2002) Assistant Professor; Ph.D.; Michigan State University  
Sachdev, Harash (1991) Professor; Ph.D.; Georgia State University  
Sasser, Sheila L. (2006) Assistant Professor; Ph.D.; Wayne State University  
Sauber, Matthew H. (1990) Professor; Ph.D.; University of Texas  
Victor, Gary M. (1974) Professor; J.D.; University of Toledo  
Zboja, James (2006) Assistant Professor; Ph.D.; Florida State University

## Mathematics

Ahlbrandt, Gisela E. (1984) Professor; Ph.D.; University of Illinois-Chicago  
Al-Khafaji, Mahmoud (1983) Assistant Professor; Ph.D.; New Mexico State University  
Britton, Barbara (1997) Associate Professor; Ph.D.; Illinois State University  
Calin, Ovidiu (2002) Associate Professor; Ph.D.; University of Toronto  
Caniglia, Joanne (1994) Professor; Ph.D.; Kent State University  
Carroll, Timothy B. (1986) Professor; Ph.D.; Western Michigan University  
Chattopadhyay, Rita (1984) Professor; Ph.D.; University of South Florida

Chu, Shenghui (1986) Professor; Ph.D.; University of Michigan  
Curran, John (2004) Assistant Professor; Ph.D.; Brown University  
Folk, David B. (1987) Professor; Ph.D.; University of Michigan  
Gardiner, Christopher J. (1984) Professor; Ph.D.; University of Illinois-Urbana-Champaign  
Ginther, John L. (1965) Professor; Ph.D.; University of Illinois  
Green, Geraldine A. (1989) Professor; Ph.D.; University of Michigan  
Han, Xiaoxu (2005) Assistant Professor; Ph.D.; University of Iowa  
Howard, Paul E. (1970) Professor; Ph.D.; University of Michigan  
Jones, Joan Cohen (1998) Professor; Ph.D.; Georgia State University  
Leapard, Barbara (2000) Associate Professor; Ph.D.; University of Toledo  
Liu, Jiuqiang (1993) Professor; Ph.D.; Western Michigan University  
Parry, Walter (1984) Professor; Ph.D.; University of California-Berkeley  
Ramanathan, Jayakumar (1990) Professor; Ph.D.; University of Chicago  
Rescorla, Kim L. (1985) Professor; Ph.D.; University of Utah  
Ross, Andrew (2006) Assistant Professor; Ph.D.; University of California-Berkeley  
Shapla, Tanweer (2006) Assistant Professor; Ph.D.; Bowling Green State University  
Shiskowski, Kenneth M. (1983) Professor; Ph.D.; Lehigh University  
Tayeh, Carla (1989) Professor; Ph.D.; Southern Illinois University  
Wang, Bingwu (2002) Assistant Professor; Ph.D.; Wayne State University  
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## Music and Dance

Amos, Charles N. (1975) Professor; Ph.D.; University of Iowa  
Babcock, Donald J. (2001) Assistant Professor; D.M.A.; Michigan State University  
Boerma, Scott (2004) Assistant Professor; M.M.; University of Michigan  
Brandon, Ernest M. (1975) Associate Professor; M.M.; Northwestern University  
Cole-Luevano, Kimberly (1996) Associate Professor; D.M.A.; Michigan State University  
Dorsey, John F. (1997) Assistant Professor; M.M.; University of Michigan  
Eggers, Carter J. (1967) Professor; M.M.; Ithaca College  
Foster, Daniel L. (1987) Associate Professor; M.M.; University of Michigan  
Gajda, Anne B. (1979) Professor; M.M.; University of Michigan  
Hornbach, Christina (2005) Assistant Professor; Ph.D.; Michigan State University  
Iannaccone, Anthony J. (1971) Professor; Ph.D.; Eastman School of Music University of Rochester  
Jerome, Sherry (1999) Assistant Professor; M.F.A.; Texas Christian University  
Kirkland, Glenda E. (1973) Professor; M.A.; Eastern Michigan University  
McGuire, Michael G. (1983) Professor; M.M.; State University of New York  
McNamara, Joann (1986) Professor; Ph.D.; Texas Women's University  
Meretta, Kristy L. (1987) Professor; M.A.; University of Michigan  
Miller, Kevin (1991) Associate Professor; M.M.; University of Michigan  
O'Brien-Pedersen, Julianne (1998) Assistant Professor; M.F.A.; Ohio State University  
Patrick, Louise Rose (1990) Professor; Ph.D.; Michigan State University  
Pedersen, Garik (1989) Professor; D.M.A.; University of Iowa  
Pierce, David (1990) Professor; D.M.A.; University of Illinois-Urbana-Champaign  
Plank, Max E. (1968) Professor; D.M.A.; University of Michigan  
Prince, J. Whitney (1981) Professor; D.M.A.; University of Colorado  
Ruiter-Feenstra, Pamela (1996) Associate Professor; D.M.A.; University of Iowa  
Saker, Marilyn N. (1993) Associate Professor; Ph.D.; University of Wisconsin-Madison  
Schoenhals, Joel (2001) Assistant Professor; D.M.A.; Eastman School of Music University of Rochester  
Simmons, Phil (2006) Assistant Professor; M.F.A.; University of Georgia  
Smith, John R. (1969) Assistant Professor; M.A.; Eastern Michigan University  
Stone, Julie (1994) Associate Professor; D.M.A.; University of Maryland-College Park  
Waymire, Mark (2006) Assistant Professor; M.M.; Sam Houston State University

Winder, Diane (1988) Professor; D.M.; Florida State University  
Woike, David O. (1990) Professor and Department Head; Ph.D.; Ohio State University  
Zirk, Willard D. (1981) Professor; D.M.A.; University of Michigan

## **Nursing**

Beard, Betty J. (1976) Professor; Ph.D., R.N.; University of Michigan  
Berry, Linda M. (1994) Associate Professor; Ph.D., R.N.; University of Michigan  
Bigelow, April (2004) Assistant Professor; M.S.N., R.N.; University of Michigan  
Branson-Hillegas, Kathleen (1981) R.N./B.S.N. Coordinator, Associate Professor; M.S.; University of Michigan  
Ervin, Naomi E. (2006), Professor and Director; Ph.D., R.N., A.P.R.N., B.C., F.A.A.N.; University of Michigan  
Fox, Diane (2004) Assistant Professor; M.S.N., R.N.; Eastern Michigan University  
Kao, Tsui-Sui (2006) Assistant Professor; M.S.N., R.N.; University of Michigan  
Lan, Virginia (1997) Associate Professor; Ph.D., R.N.; University of Michigan  
Nelson, Sandra (1990) Associate Professor; Ph.D., A.P.R.N., BC.; Michigan State University  
Pfoutz, Susan (1998) Professor; Ph.D., R.N.; University of Michigan  
Riley, Janice (2002) Lecturer; M.S., R.N.; Eastern Michigan University  
Rubinfeld, Marlene G. (1986) Associate Professor; R.N., M.S.; Ohio State University  
Scheffer, Barbara K. (1976) Professor; Ed.D., R.N.; Eastern Michigan University  
Tanicala, Martha (1999) Associate Professor; Ed.D, R.N.; Bowling Green University  
Trewn, Peggy (1998) Associate Professor; Ph.D., R.N.; Wayne State University  
Williams, Michael (1998) Associate Professor; M.S.N., R.N.; Grand Valley State University  
Wilson, Lorraine (1988) Professor; Ph.D., R.N.; Wayne State University  
Wiswell, Lisa (2005) Assistant Professor; Ed.D., R.N.; University of California  
Wu, Tsu-Yin Stephanie (1999) Associate Professor; Ph.D., R.N.; University of Michigan

## **Physics and Astronomy**

Behringer, Ernest R. (1995) Associate Professor; Ph.D.; Cornell University  
Carroll, James J., III (1998) Associate Professor; Ph.D.; West Virginia University  
Jacobs, Diane A. (1985) Professor; Ph.D.; University of Texas-Austin  
Koehn, Patrick L. (2005) Assistant Professor; Ph.D.; University of Michigan.  
Oakes, Alexandria (1987) Professor and Department Head; Ph.D.; Lehigh University  
Porter, James C. (1967) Professor; Ph.D.; Purdue University  
Sharma, Natthi L. (1986) Professor; Ph.D.; Ohio University  
Sheerin, James P. (1991) Professor; Ph.D.; University of Michigan  
Shen, Weidian C. (1991) Professor; Ph.D.; Wayne State University  
Thomsen, J. Marshall (1986) Professor; Ph.D.; Michigan State University  
Trochet, Daniel P. (1968) Professor; Ph.D.; University of Michigan  
Wylo, Bonnie (1988) Professor; Ph.D.; University of Michigan

## **Political Science**

Bernstein, Jeffrey (1997) Assistant Professor; Ph.D.; University of Michigan  
Carroll, Bruce (2006) Assistant Professor; Ph.D.; University of Houston  
Krause, Volker (2005) Assistant Professor; Ph.D.; University of Michigan  
Kullberg, Judith (2004) Assistant Professor; Ph.D.; University of Michigan  
Longworth, Rhonda (1994) Associate Professor and Interim Assistant Vice President for Academic Affairs; Ph.D.; University of Iowa  
Lottie, Adrian J. (1992) Associate Professor; Ph.D.; Wayne State University  
Martin, Elaine F. (1984) Professor; Ph.D.; University of Oklahoma  
Monsma, Charles (1971) Professor; Ph.D.; University of Michigan

Ohren, Joseph F. (1985) Professor; Ph.D.; Syracuse University  
Petrescu, Claudia (2002) Assistant Professor; Ph.D.; University of Pittsburgh  
Pfister, James Wilber (1970) Associate Professor; Ph.D.; University of Michigan  
Pyle, Barry (1997) Associate Professor; Ph.D.; University of Missouri-St. Louis  
Rosenfeld, Raymond A. (1983) Professor and Department Head; Ph.D.; Emory University  
Sabki, Mohammad Hisham (1969) Professor; Ph.D.; Indiana University  
Scott, Joanna V. (1990) Professor; Ph.D.; University of Strathclyde, Scotland  
Sidlow, Edward (1995) Professor; Ph.D. Ohio State University  
Sneed, Bethany (2004) Assistant Professor; Ph.D.; Wayne State University  
Stahler-Sholk, Richard (1997) Associate Professor; Ph.D. University of California-Berkeley  
Zhao, Zhirong "Jerry" (2005) Assistant Professor; Ph.D.; University of Georgia

## **Psychology**

Bonem, Marilyn K. (1987) Associate Professor; Ph.D.; Utah State University  
Byrd, Michelle R. (2002) Assistant Professor; Ph.D.; University of Nevada at Reno  
Delprato, Dennis J. (1969) Professor; Ph.D.; Michigan State University  
Fish, Barry A. (1970) Professor; Ph.D.; Wayne State University  
Freedman-Doan, Carol R. (1995) Professor; Ph.D.; Wayne State University  
Gordon, Norman G. (1975) Professor; Ph.D.; Wayne State University  
Hodges, Kay V. (1989) Professor; Ph.D.; University of Maryland  
Hoodin, Flora (1998) Associate Professor; Ph.D.; Wayne State University  
Huprich, Steven (2004) Assistant Professor; Ph.D.; University of North Carolina at Greensborough  
Huth-Bocks, Alissa (2005) Assistant Professor, Ph.D.; Michigan State University  
Jeffersom, Stephen (2006) Assistant Professor; Ph.D.; Michigan State University  
Knapp, John R. (1971) Professor; Ph.D.; University of Denver  
Koch, Ellen (2003) Assistant Professor; Ph.D; Western Michigan University  
Lajiness-O'Neill, Renee (2005) Assistant Professor, Ph.D.; Brigham Young University  
Lauterbach, Dean (2001) Professor; Ph.D.; Purdue University  
McManus, John L. (1981) Associate Professor; Ph.D.; Ohio State University  
Penix, Tamara (2006) Assistant Professor; Ph.D.; University of Nevada at Reno  
Rusiniak, Kenneth W. (1981) Professor; Ph.D.; University of California at Los Angeles  
Saules, Karen K. (2001) Professor; Ph.D.; Wayne State University  
Todd, James T. (1990) Professor; Ph.D.; University of Kansas  
Von Kluge, Silvia (1990) Professor; Ph.D.; Michigan State University  
Westman, Alida S. (1972) Professor; Ph.D.; Cornell University  
Witkow, Melissa (2006) Assistant Professor; Ph.D.; University of California at Los Angeles

## **Social Work**

Bombyk, Marti (1996) Professor; Ph.D.; University of Michigan  
Brown-Chappell, Betty (1996) Associate Professor; Ph.D.; University of Chicago  
Davis, Laura (1994) Associate Professor; Ph.D.; Cornell University  
Gray, Sylvia Sims (1988) Associate Professor; Ph.D.; Wayne State University  
Gunther, John (2001) Professor; Ph.D.; Tulane University (1979)  
Krajewski-Jaime, Elvia (1985) Professor; Ph.D.; University of Texas  
Kurtz, Linda Ferris (1989) Professor; Ph.D.; University of Georgia  
Lewis, Ronald (1992) Professor; Ph.D.; University of Denver  
Loppnow, Donald (1976) Professor and Senior Executive for Institutional Effectiveness; Ph.D.; University of Michigan  
Massie, Enos (1989) Associate Professor; Ph.D.; University of Michigan  
Mills, Crystal (1992) Professor; Ph.D.; University of Michigan  
Nybell, Lynn (1983) Associate Professor; Ph.D.; M.S.W.; University of Michigan

Ragg, Mark (1996) Associate Professor; Ph.D.; Case Western Reserve  
Schuster, Elizabeth Oates (1986) Professor; Ph.D.; University of Michigan  
Smith, Harrison Y. (1994) Professor; Ph.D.; University of Denver  
Wedenoja, Marilyn (1992) Professor; Ph.D.; University of Michigan  
Weinberg, Sylvia (1996) Associate Professor; Ph.D.; University of Texas  
Ziefert, Marjorie (1981) Professor and Department Head; M.S.W.; Columbia University

## **Sociology, Anthropology and Criminology**

Adams, Anthony Troy (1985) Associate Professor; Ph.D.; University of Michigan  
Ajrouch, Kristine (2000) Assistant Professor; Ph.D.; Wayne State University  
Barak, Gregg (1991) Professor; Ph.D.; University of California-Berkley  
Cao, Liqun (1994) Professor; Ph.D.; University of Cincinnati  
Cerroni-Long, Liza (1987) Professor; Ph.D.; University of California at Los Angeles  
Corsianos, Marilyn (2002) Assistant Professor; Ph.D.; York University  
Kern, Roger (1998) Assistant Professor; Ph.D.; Vanderbilt University  
Leighton, Paul (1997) Associate Professor; Ph.D.; American University  
Moaddel, Mansoor (1987) Professor; Ph.D.; University of Wisconsin  
Orrange, Robert M. (2001) Assistant Professor; Ph. D.; University of Texas  
Reiling, Denise (2000) Assistant Professor; Ph.D. Michigan State University  
Richardson, Barbara (1991) Professor; Ph.D.; Cornell University  
Simoes, Solange (2006) Assistant Professor; Ph.D. University of London  
Sinclair, Karen (1976) Professor; Ph.D.; Brown University  
Tomaszewski, E. Andreas (2001) Assistant Professor; Ph. D.; Carleton University  
Weinstein, Jay (1986) Professor and Interim Department Head; Ph.D.; University of Illinois  
Westrum, Ronald (1972) Professor; Ph.D.; University of Chicago

## **Special Education**

Burton-Hoyle, Sally (2006) Assistant Professor; Ed.D; University of Idaho  
Cameron, S. (2004) Assistant Professor; J.D.; University of Toledo  
Carney, Karen (2002) Assistant Professor; Ph.D.; Arizona State University  
Cupples, Willie P., Jr. (1994) Professor; Ph.D.; Northwestern University  
Doster, Brenda (2006) Assistant Professor; Ph.D.; University of Michigan  
Ginsberg, Sarah (2002) Assistant Professor; Ed.D; Eastern Michigan University  
Gorenflo, Carole (1988) Professor; Ph.D.; Michigan State University  
Hoodin, Ronald (1988) Professor; Ph.D.; Pennsylvania State University  
Hric, Kathleen (2005) Assistant Professor; Ph.D.; University of Michigan  
Koh, Myung-Sook (2005) Assistant Professor; Ph.D.; University of Memphis  
Lee, Lidia (2002) Associate Professor; Ph.D.; Indiana University  
Li, Tsai-Ping (Alicia) (1995) Assistant Professor; Ed.D.; University of Northern Colorado  
McGinnis, Jacqueline (2002) Assistant Professor; Ph.D.; University of Nebraska-Lincoln  
Orr, A. (2004) Assistant Professor; Ed.D.; University of Michigan  
Parker, Kathlyn (1999) Assistant Professor; Ph.D.; Teacher's College- Columbia University  
Polter, L. (2004) Assistant Professor; Sp.A.; Eastern Michigan University  
Rocklage, Lynne A. (1991) Professor and Department Head; Ph.D.; Southern Illinois University  
Schulte, K. (2004) Assistant Professor, Sp.A.; Eastern Michigan University  
Smith, P. (2004) Assistant Professor; Ed.D.; University of Vermont  
Stevens, Lizbeth (1998) Associate Professor; Ph.D.; Wayne State University  
Stiefel, G. (2004) Assistant Professor; Ph.D.; University of Michigan  
Tonkovich, John (2000) Associate Professor; Ph.D.; University of Tennessee

## Teacher Education

Baiyee, Martha (1998) Associate Professor; Ph.D.; Virginia Tech  
Beauvais, Kathleen (1991) Professor; Ph.D.; University of Michigan  
Bednar, Anne (1991) Professor; Ed.D.; Indiana University  
Bennion, Donald (1993) Professor and Department Head; Ph.D.; Ohio University  
Bigler, Mary (1977) Professor; Ph.D.; University of Michigan  
Bishop, J. Joe (2002) Associate Professor; Ph.D.; University of Iowa  
Burke, Wendy (2000) Associate Professor; Ph.D.; University of Illinois at Urbana-Champaign  
Burns, Carolyn M. (2001) Assistant Professor; M.A.; University of Michigan  
Carter, Carolyn J. (2001) Associate Professor; Ph.D.; Wayne State University  
Copeland, Nancy (2002) Assistant Professor; MBE; Wayne State University  
Daisey, Peggy (1994) Professor; Ph.D.; Kansas State University  
Dichtelmiller, Margo L. (2000) Associate Professor; Ph.D.; University of Michigan  
Dokes-Brown, Marion A. (2001) Associate Professor; Ph.D.; Texas Women's University  
Finch, Carolyn (1999) Professor; Ph.D.; University of Maryland  
Gordon, Jane (1992) Professor; Ph.D.; University of Miami  
Gould, Caroline (1997) Assistant Professor; M.A.; University of Michigan  
Grossman, Sue (1995) Associate Professor; Ph.D.; Michigan State University  
Gwaltney, Thomas (1964) Professor; Ph.D.; Southern Illinois University  
Harmon, Deborah (2000) Assistant Professor; Ph.D.; Colorado State University  
Huyvaert, Sarah (1986) Professor; Ed.D.; Indiana University  
Johnson, Elizabeth (1994) Associate Professor; Ed.D.; Wayne State University  
Jones, Sylvia (1992) Professor; Ph.D.; University of Michigan  
Jones, Toni Stokes (1999) Associate Professor; Ph.D.; Wayne State University  
Jose-Kampfner, Cristina (1991) Professor; Ph.D.; University of Michigan  
Kinney-Sedgwick, Martha (1987) Associate Professor; Ph.D.; University of Iowa  
Langer, Georgea (1985) Professor; Ph.D.; Stanford University  
Lewis-White, Linda (1996) Professor; Ph.D.; East Texas State University  
Lowenstein, Ethan (2002) Assistant Professor; Ph.D.; New York University  
Margerum-Leys, Jon (2000) Associate Professor; Ph.D.; University of Michigan  
Martusewicz, Rebecca (1988) Professor; Ed.D.; University of Rochester  
Maylone, Nelson (2000) Assistant Professor; Ed.D.; Eastern Michigan University  
Moore-Hart, Margaret (1988) Professor; Ph.D.; University of South Florida  
Nelson, Olga (1991) Professor; Ph.D.; Kent State University  
Paciorek, Karen (1981) Professor; Ph.D.; Peabody College of Vanderbilt University  
Pietig, Jeanne (1988) Professor; Ph.D.; University of Minnesota  
Pokay, Patricia (1988) Professor; Ph.D.; University of Michigan  
Polakow, Valerie (1988) Professor; Ph.D.; University of Michigan  
Quilter, Shawn (1996) Associate Professor and Associate Dean of Academic Accountability, College of Education; Ph.D.; University of South Carolina  
Rearick, Mary (2001) Associate Professor; Ed.D.; University of Massachusetts  
Shellhorn, Bette (2005) Assistant Professor Ph.D. Michigan State  
Skaggs, Kathryn (1997) Assistant Professor; M.S.; Peabody College of Vanderbilt University  
Starko, Alane (1986) Professor; Ph.D.; University of Connecticut  
Williams-Boyd, Patricia (1996) Associate Professor; Ed.D.; University of Kansas

## Technology Studies

Adamski, Anthony (1997) Associate Professor; Ph.D.; Wayne State University  
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Bellamy, Al (1996) Professor; Ph.D.; Purdue University  
Boone, Morrell D. (2001) Professor and Interim Dean Ph.D.; Syracuse University

Boyle, John E. (1977) Associate Professor and Interim Director; M.A.; Eastern Michigan University  
Buchanan, Polly (1980) Professor and Interim Associate Dean of the College of Technology; Ph.D.; University of Michigan  
Cardon, Phillip (1999) Associate Professor; Ph.D.; Ohio State University  
Dugger, John C. (2001) Professor; Ph.D.; Texas A&M University  
Fulkert, Ronald (1997) Associate Professor; Ph.D.; University of Toledo  
Ghosh, Subhas (2002) Professor; Ph.D.; University of Manchester, England  
Gore, David K. (1983) Assistant Professor; M.S.; Eastern Illinois University  
Gregory, Susan (2002) Professor; Ed.D.; Temple University  
Haddad, Carol (1993) Professor; Ph.D.; University of Michigan  
Harbour, Nancy (2005) Assistant Professor; Ph.D.; University of Detroit  
Jogaratanam, Giri D. (1996) Professor; Ph.D.; Virginia Polytechnic Institute and State University  
Kalian, Seema (2004) Associate Professor; Ph.D.; Michigan State University  
Kinczkowski, Linda (2000) Associate Professor; Ph.D.; Wayne State University  
Kustron, Konnie G. (1994) Professor; J.D.; Detroit College of Law  
Kuwik, Paul D. (1980) Professor; Ph.D.; Ohio State University  
Lawver, Gerald V. (1987) Associate Professor; Sp.A.; Eastern Michigan University  
Leapard, David W. (1992) Professor; Ph.D.; University of South Carolina  
Majeske, Paul (1997) Associate Professor; M.L.S.; Eastern Michigan University  
Park, Jaehong (2005) Assistant Professor; Ph.D.; George Mason University  
Pilato, Denise (2002) Professor; Ph.D.; Michigan State University  
Preston, John M. (1983) Associate Professor; M.S.; Eastern Michigan University  
Remp, Ann M. (1984) Professor; Ph.D.; Michigan State University  
Tartalone, Phillip (2005) Assistant Professor; Ph.D.; Michigan State University  
Teehan, Robert (2006) Assistant Professor; Ph.D.; Capella University  
Van Der Velde, Robert (2002) Professor; J.D.; Cleveland-Marshall College of Law  
Welker, Kelly (1999) Associate Professor; Ph.D.; Florida State University  
White, Darcelle D. (1995) Professor; J.D.; University of Detroit

## **Women's and Gender Studies**

Haddad, Carol (1993) Professor and Interim Director; Ph.D.; University of Michigan  
Mehuron, Kate (1989) Professor and Academic Adviser; Ph.D.; Vanderbilt University  
Simoes, Solange (2006) Assistant Professor; Ph.D. University of London



# Course Prefixes

A department prefix or code is used to identify courses offered by Eastern Michigan University:

Academic Affairs Division	UNIV
Integrated Marketing Communications	IMC
Study Abroad	SABR

## College of Arts and Sciences

## CASI

African American Studies	AAS
Art	ART
Biology	BIOL
Botany	BOTN
Elementary Science	ESCI
Microbiology	MICR
Zoology	ZOOL
Chemistry	CHEM
Communication, Media and Theatre Arts	
Communication	CTAC
Interpretation/Performance Studies	CTAO
Telecommunications and Film	CTAT CTAR
Theatre and Educational Drama	
Computer Science	COSC
Economics	ECON
English Language and Literature	
Creative Writing	CRTW
English Language and Literature	ENGL
Linguistics	LING
Literature	LITR
Foreign Language and Bilingual Studies	
Bilingual-Bicultural Education	BILN
English for International Students	ESLN
General Foreign Language and Bilingual-Bicultural Education	FLAN
French	FRNH
German	GERN
Japanese	JPNE
Spanish	SPNH
Teaching English as a Second Language (TESOL)	TSLN

## Geography and Geology

Earth System Science	ESSC
Geography and Geology	GEOG
Historic Preservation	GHPR
Urban and Regional Planning	GPLN

## History and Philosophy

History	HIST
Philosophy	PHIL

Mathematics	MATH
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## Music and Dance

Dance	
Music	DANC
<i>Applied Music has a prefix for each instrument.</i>	MUSC
<i>Refer to the class schedule book for the codes.</i>	

## Physics and Astronomy

Astronomy	ASTR
Physics	PHY
Physical Science	PSCI

Political Science	PLSC
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Psychology	PSY
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## Sociology, Anthropology and Criminology

Anthropology	ANTH
Criminology	CRM
Sociology	SOCL

Women's and Gender Studies	WGST
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## **College of Business** **COB**

### Accounting and Finance

Accounting	ACC
Decision Science	DS
Finance	FIN

Computer Information Systems	IS
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Production/Operations Management	POM
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Management	MGMT
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Marketing	MKTG
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Law	LAW
Supply Chain Management	SCM

## College of Education

### Leadership and Counseling

Counseling	COUN
Educational Leadership	EDLD

### Special Education

General	SPGN
Cognitive Impairment	SPCI
Emotional Impairment	SPEI
Hearing Impairment	SPHI
Learning-Disabled	SPLI
Physical Impairment or other Health Impairment	SPPI
Speech and Language Impairment	SPSI

Student Teaching	EDUC
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### Teacher Education

Curriculum	CURR
Early Childhood Education	ECE
Educational Media and Technology	EDMT
Educational Psychology	EDPS
Reading	RDNG
Social Foundations	SOFD

## College of Health and Human Services IHHS

### Health Promotion and Human Performance

Athletics	ATHL
Health Education	HLED
Physical Education	PHED
Recreation Courses	RECR
Sport Management	SPGT
Exercise Science and Athletic Training	SPMD

### Health Sciences

Clinical Laboratory Sciences	CLSC
Clinical Research Administration	CLRA
Health Administration	HLAD
Human Nutrition	DTC
Occupational Therapy	OCTH
Therapeutic Recreation Courses	THRC

Nursing	NURS
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Social Work SWRK

Gerontology GERT

## **College of Technology**

## **COT**

### Engineering Technology

Computer Aided Engineering	CAE
Construction Management	CNST
Engineering Management	EM
Interior Design	IDE
Manufacturing	MFG
Polymers and Coatings	PC
Quality	QUAL

### Technology Studies

Apparel, Textiles and Merchandising	ATM
Aviation Technology	AVT
Business Management Marketing and Technology	BMMT
Communication Technology	CMT
Career, Technical and Workforce Education	CTWE
Hotel and Restaurant Management	HRM
Information Assurance	IA
Industrial Distribution	ID
Information Security/Assistance	ISEC
Legal Administration	LEGL
Network and Information Technology Administration	NITA
Public Safety	PS
School of Staff and Command	SSC
School of Technology Studies	STS
Technology Education	TEDU
Technology Management	TM

# African American Studies Programs and Courses

## Africology and African American Studies

### Graduate Certificate

### Graduate Certificate in African American Studies (AAS)

Adviser: Robert Perry, Ph.D.  
620 Pray-Harrold  
734.487.3460  
rperry@emich.edu

Bring a specialty to your degree with a graduate certificate in African American Studies. Gain a special insight into American cultural diversity from a scholarly perspective of the life and culture of a people who have faced historical and institutionalized barriers and yet contributed much to society.

Studies in this field delve into history, politics, culture and economics, and create an environment for the student to develop a unique sensitivity to issues as they pertain to race and cultural diversity.

#### **This program is designed to prepare and equip students with:**

1. Advanced research skills
2. Diversity related knowledge
3. The ability to develop social policies and cultural competencies applicable to their careers
4. Knowledge of epistemological issues in African American Studies

#### **Career Opportunities**

Many professionals with advanced degrees in a variety of educational arenas may find this program a means of achieving an edge above the competition. This certificate complements careers in a wide variety of fields, including education, social work, health care and political science. Those with careers in public policy and administration, economic and political welfare, public relations, community outreach, social services, human resources and cultural diversity may find this certificate particularly helpful.

#### **Course Sequence**

Courses can be completed either at EMU–Detroit or at EMU’s main campus in Ypsilanti. All courses are designed for the working professional and are offered on weekday evenings and online.

#### **Advising**

Contact Dr. Robert Perry, graduate coordinator and adviser, for further information about program requirements, evaluation of admission applications, preparation of a plan of study, approval of program changes and recommendation for graduation.

#### **Admission Requirements**

1. A bachelor's degree from an accredited institution;
2. An undergraduate GPA of 2.75 or higher;

3. A statement of goals demonstrating how the graduate certificate program will help the student's professional goals; and
4. A minimum of two letters of recommendation.

Complete your application for admission to Eastern Michigan University on the Web through the graduate application forms site.

## Course Requirements:

The certificate in African American Studies requires the completion of 15 hours of course work to be distributed among required courses as follows:

### Required Courses: 15 hours

- AAS 501 - Foundational Issues in African American Studies 3 hrs
- AAS 602 - Researching Black Communities 3 hrs

### Nine hours from the following:

- Any other approved graduate-level course
- AAS 503 - Public Policy and African Americans 3 hrs
- AAS 504 - Politics in the African American Experience 3 hrs
- AAS 505 - The African Political Economy 3 hrs
- AAS 541 - Law, Race and Community 3 hrs
- AAS 542 - Race and Crime and the African American Experience 3 hrs
- AAS 543 - Civil Rights and the African American Experience 3 hrs
- AAS 592 - Special Topics 3 hrs

### Certificate Total: 15 hours

## African American Studies

### AAS 501 - Foundational Issues in African American Studies

This course provides an advanced examination of theoretical and conceptual issues that form the epistemological foundation of African American studies. It investigates key studies, scholars and theories in the field. Readings and discussions pay close attention to the relationship between theory and empirical research and their applications to contemporary social issues.

**Credit Hours:** 3 hrs

### AAS 503 - Public Policy and African Americans

This course examines the implications of major and evolving national public policies and policy alternatives for economically vulnerable and/or historically disadvantaged segments of the population, particularly African Americans. Such policies include those related to social welfare, education, campus climate, employment, mass communication, housing, affirmative action and drug and crime control.

**Credit Hours:** 3 hrs

## **AAS 504 - Politics in the African American Experience**

This course is designed to provide the student with an advanced and critical knowledge of black political behavior in the United States in its evolution from protest to contemporary, institutional politics.

**Credit Hours:** 3 hrs

## **AAS 505 - The African Political Economy**

This course serves as an advanced and critical survey of Africa's contemporary political economy. In examining post-colonial developments, the course focuses on regional and national strategies for social transformation.

**Credit Hours:** 3 hrs

## **AAS 541 - Law, Race and Community**

This course examines the legal history of African Americans and the related search for a concept of community within the United States. The course ranges from European movement into the Western Hemisphere in the 1400s to the challenges of race and structural inequalities of the 21st century.

**Credit Hours:** 3 hrs

## **AAS 542 - Race and Crime and the African American Experience**

This course will provide a comparative analysis of the experience of African Americans and other groups with the criminal justice system in the United States. Students will critically examine historical patterns, theories of race and crime and the effects of race and class on social attitudes and criminal justice practices.

**Credit Hours:** 3 hrs

## **AAS 543 - Civil Rights and the African American Experience**

This course will explore the impact of race as a dominant and dynamic force that has shaped the interpretation of the Constitution and subsequent Civil Rights Acts. Students will critically examine how black communities organized for change and how the Civil Rights movement contributed to American political reform.

**Credit Hours:** 3 hrs

**Cross-listed with:** PLSC 543

**Last Updated:** Links 04/2011

## **AAS 590 - Special Topics**

Special topics important to the in-depth and advanced study of the African American experience. Students may develop a course of study that can lead to a certificate program or master's degree in African American studies. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Class Restrictions:** Graduate standing, Senior standing with permission

## **AAS 591 - Special Topics**

Special topics important to the in-depth and advanced study of the African American experience. Students may develop a course of study that can lead to a certificate program or master's degree in African American studies. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Class Restrictions:** Graduate standing, Senior standing with permission

**Last Updated:** 05/2011

### **AAS 592 - Special Topics**

Special topics important to the in-depth and advanced study of the African American experience. Students may develop a course of study that can lead to a certificate program or master's degree in African American studies. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Class Restrictions:** Graduate standing, Senior standing with permission

### **AAS 597 - Independent Study**

Advanced study on an individual basis in areas not covered, or not covered in-depth, in formal course work.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Repeatable:** May be repeated for credit.

### **AAS 598 - Independent Study**

Advanced study on an individual basis in areas not covered, or not covered in-depth, in formal course work.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Repeatable:** May be repeated for credit.

### **AAS 599 - Independent Study**

Advanced study on an individual basis in areas not covered, or not covered in-depth, in formal course work.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Repeatable:** May be repeated for credit.

### **AAS 602 - Researching Black Communities**

Through the application of qualitative and ethnographic techniques, students will study groups, institutions and other social phenomena that affect African American communities and culture. Social research will be linked to intellectual and theoretical traditions in the field of African American studies.

**Credit Hours:** 3 hrs

### **AAS 639 - Continuous Enrollment**



Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

# Art Programs and Courses

## Art

### Master's

#### Master of Arts in Studio Art (SAR)

Adviser: Christopher Bocklage, M.F.A.  
114 Ford  
734.487.1268  
cbocklage@emich.edu

This degree is designed for persons seeking an advanced degree in studio art.

##### Admission Requirements

Applicants should see the Graduate Catalog section on admissions for general admission information and procedure. An undergraduate degree with a major in art and a minimum grade point average of 2.8 in art classes is normally required for admission. A student may be required by the M.A. committee to make up deficiencies at the undergraduate level.

Go online to complete or send a graduate application for admission, supported by official transcripts of all undergraduate and graduate credit at each institution attended to: Eastern Michigan University, Graduate Admissions, PO Box 970, Ypsilanti, MI 48197; additionally applicants must send to the graduate coordinator in the Department of Art:

1. A department application for admission to the Office of Admissions and graduate coordinator in the Department of Art;
2. Three letters of recommendation to the graduate coordinator in the Department of Art; and
3. A portfolio of 10-15 full screen size digital images of the applicant's studio work organized in a multiple page PDF or PowerPoint file, or a folder of jpegs, on a CD with captions or a separate list stating title, medium, size, and date of completion for each image submitted of the applicant's studio work, in the concentration to which he/she is applying, with a separate list stating the name, title of work, medium, size and date of completion. (Applicants in three-dimensional disciplines may submit multiple views of examples.)

Portfolios and materials must be submitted to the Art Department during the fall semester for winter admission and during the winter semester for spring, summer and fall admission.

##### Degree Requirements

The graduate adviser will meet with each student to construct a program of study. Students should follow closely the Graduate School requirements for "Application for Diploma." Students whose degree program includes a final exhibition of work must apply for gallery space one semester prior to the proposed exhibition.

At the end of 10 hours taken in the studio program, the M.A. committee will review the work of each M.A. student and either allow the student to continue or formally ask the student to withdraw from the program. Individual passing grades assigned by a student's instructor(s) during the first 10 hours in the M.A. degree program studio program shall not be construed as a guarantee that any student will be granted continuation in the M.A. program beyond the initial 10 hours of study in the program, since the 10-hour review by the M.A. committee is based upon a de-novo review of the student's entire first 10 hours of work in his or her M.A. studio program, electives taken and performance in the 10-hour review. Further, no student may rely on statements by faculty or other agents of the University that would suggest, even remotely, that the student is ensured continued enrollment in the M.A. program prior to a review and recommendation by the M.A. committee.

## Course Requirements:

The M.A. in studio art requires the completion of 30 hours of course work to be distributed among program courses, elective courses and cognate courses as follows:

### Required Courses: 20 hours

- ARTH 565 - Seminar in Modern and Contemporary Art 3 hrs
- \* ARTS 570 - MA Critique and Professional Preparation Seminar 3 hrs

### Studio Concentration: 14 hours

*Select from the following programs:*

- ceramics
- drawing
- graphic design
- interdisciplinary
- jewelry
- painting
- printmaking
- photography
- sculpture
- textiles
- watercolor

### Art Elective Courses: 4 hours

*Four hours selected from courses outside the major concentration. (Courses may be grouped, in consultation with an area adviser/graduate coordinator, with cognates to form a minor concentration in art.)*

### Cognate Courses: 6 hours

*Six hours selected from art and/or other areas in consultation with an adviser.*

### Program Total: 30 hours

### Notes:

*\* The Critique and Professional Preparation Seminar may be repeated for credit up to six hours; if repeated, the extra hours would be used as elective credits.*

## Undergraduate Courses for Graduate Credit: Art

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission. Otherwise, you will receive undergraduate credit.

- ARTH 467 - Art of East Asia 3 hrs
- ARTH 468 - Medieval Art History 3 hrs
- ARTH 469 - Baroque Art 3 hrs
- ARTH 470 - Arts of Africa 3 hrs
- ARTH 471 - Mesoamerican Art 3 hrs
- ARTH 472 - History of American Architecture 3 hrs
- ARTH 473 - Women in Art 3 hrs
- ARTH 474 - History of Graphic Design 3 hrs
- ARTH 475 - Seminar in Modern and Contemporary Art 3 hrs
- ARTH 476 - Art of China 3 hrs
- ARTS 401 - Advanced Painting I 3 hrs
- ARTS 403 - Advanced Painting II 3 hrs
- ARTS 405 - Advanced Life Drawing 3 hrs
- ARTS 407 - Advanced Life Drawing II 3 hrs
- ARTS 408 - Advanced Drawing II 3 hrs
- ARTS 410 - Intermediate Printmaking 3 hrs
- ARTS 411 - Advanced Printmaking 3 hrs
- ARTS 416 - Watercolor IV 3 hrs
- ARTS 425 - Advanced Ceramics I 3 hrs
- ARTS 426 - Advanced Ceramics II 3 hrs
- ARTS 430 - Metalsmith IV 3 hrs
- ARTS 431 - Metalsmithing V 3 hrs
- ARTS 435 - Advanced Sculpture I 3 hrs
- ARTS 437 - Advanced Sculpture III 3 hrs
- ARTS 441 - Digital Printing for Fibers 3 hrs
- ARTS 442 - Embellished Surfaces 3 hrs
- ARTS 443 - Advanced Fibers 3 hrs
- ARTS 451 - Image Making II 3 hrs
- ARTS 452 - Advanced Graphic Design 3 hrs
- ARTS 487 - Cooperative Education in Art 3 hrs

## Master of Arts in Visual Arts Education (VAED)

Adviser: Christopher Bocklage, M.F.A.

114 Ford

734.487.1268

cbocklage@emich.edu

## **Model**

Eastern Michigan University's advanced professional education programs develop leaders who demonstrate reflective thought and scholarship within the context of a culturally diverse society. In addition, the master of arts in visual arts education program produces educators who are committed to their ongoing professional growth and are aware of the challenges of democracy in our culturally diverse society. These educators will assert leadership and the ability to cultivate abstract thinking skills and analyze visual statements for personal meaning.

## **Admission Requirements**

Applicants should see the Graduate Catalog section on admissions for general admission information and procedure (page 10). Entry requirements are a minimum of 34 hours of art education and studio art with a minimum 2.8 grade point average in these classes. In addition, each applicant is expected to hold a teaching certificate for the teaching of art.

Prerequisites for admission to the M.A. (VAED) Degree Program:

1. An undergraduate degree in art education and K-12 art certification is normally required. Persons with undergraduate degrees in areas other than art must complete the 54-hour art major and additional certification requirements prior to submitting an application to the M.A. (VAED) degree program.
2. A portfolio of 10-15 full screen size digital images of the applicant's studio work organized in a multiple page PDF or PowerPoint file, or a folder of jpegs, on a CD with captions or a separate list stating title, medium, size, and date of completion for each image submitted of the applicant's studio work and/or of student's work with a separate list stating title, medium, size, and date of completion for each image submitted.
3. A letter of intent (regarding the applicant's reasons for pursuing studies in a graduate art education program), a 1-2 page statement of the applicant's teaching philosophy, a 1-2 page statement of the applicant's research interests, and three letters of reference.
4. A K-12 Art (LQ) Secondary-Provisional Certificate.

Admission procedures are as follows:

1. Submission of the University's application along with a copy of the applicant's teaching certificate and other requested materials to the University's Office of Admissions.
2. Submission of a department application, portfolio, letter of intent, statements of a teaching philosophy and research interests, and three letters of reference to the Art Department's graduate coordinator.
3. Review and evaluation of the applicant's materials by both the Office of Admissions and the Art Department's Graduate Admissions Committee.
4. Notification to the candidate of the Committee's decision.

The terms presented in this document are intended to cover basic aspects of the Master of Arts (VAED) degree program and to clarify procedures for candidates seeking admission to or currently enrolled in the program. All M.A. (VAED) degree program participants (advisers, instructors, and students) are obligated to familiarize themselves with program expectations. The graduate coordinator welcomes any questions from advisers, instructors, student candidates, or those seeking admission with respect to these guidelines and/or any other aspect of the M.A. (VAED) degree program.

The M.A. (VAED) degree program is designed for those persons who have completed their Art K-12 (LQ) Secondary Provisional certification and are currently teaching art at the K-12 levels. This information can also be found at the University's website via catalog copy, at the Art Department's website under "graduate programs," and/or at the Art Department's art education website.

## **Degree Requirements**

The graduate coordinator will meet with each student to construct a program of study. Students should follow closely the Graduate School requirements for "Application for Diploma." Students whose degree program includes a final exhibition of work must apply for gallery space one semester prior to the proposed exhibition.

Graduate credit in art education (theory and practice) earned more than six years prior to the date on which the degree was granted may not be applied to meet the graduate requirements.

After the student has completed six hours of course work in art education, the graduate coordinator or program adviser will evaluate for approval the selection of a thesis proposal or paper option in an appropriate art education area, or the student will be assigned an adviser to oversee the taking of the comprehensive exam.

## Course Requirements:

The M.A. (VAED) requires the completion of 30 hours of course work to be distributed among required courses, elective courses and cognate courses as follows:

### Art Education Courses: 9 hours

*Students take one course in each of the following sections:*

#### Research Methods

- ARTE 555 - Research in Visual Arts Education 3 hrs

#### History of Visual Arts Education

- ARTE 556 - Tradition and Innovation in Visual Arts Education 3 hrs

#### Curriculum, Teaching Studio & Technology Applications

- ARTE 558 - New Ideas in Visual Arts Education 3 hrs
- ARTE 557 - Technology, Research and Teaching Visual Arts 3 hrs
- ARTE 694 - Seminar in Visual Arts Education 3 hrs

### Art History, Art Criticism and Aesthetics: 6 hours

*Students take one course in each of the following sections:*

#### Art History

Art History courses approved 400 and above the 400 level.

Non-Western Art History course approved 400 and above the 400 level.\*

*\* NOTE: Required for students who are working toward Visual Arts Education Specialist (LZ) Endorsement.*

#### Art Criticism and Aesthetics

- ARTE 560 - Visual Culture and Postmodernism 3 hrs
- ARTE 559 - Teaching Art from Multiple Perspectives 3 hrs

## Student Art Courses approved 400 and above 400 level: 12 credits

*Students select four courses from the following:*

### Two-Dimensional

- Watercolor
- Painting
- Drawing
- Graphic Design
- Photography
- Printmaking

### Three-Dimensional

- Sculpture
- Jewelry
- Ceramics
- Textiles

## Thesis or Exam: 4 hours

*Students select either:*

### Thesis Track

- ARTS 691 - Thesis 2 hrs  
This course must be taken twice to fulfill the thesis option.

### Exam Track

- One additional class in any area of VAE program (3 hrs)
- ARTS 597 - Independent Study 1 hr  
or
- ARTS 697 - Independent Study 1 hr

## Program Total: 31 hours

## Undergraduate Courses for Graduate Credit: Art

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission. Otherwise, you will receive undergraduate credit.

- ARTH 467 - Art of East Asia 3 hrs
- ARTH 468 - Medieval Art History 3 hrs
- ARTH 469 - Baroque Art 3 hrs

- ARTH 470 - Arts of Africa 3 hrs
- ARTH 471 - Mesoamerican Art 3 hrs
- ARTH 472 - History of American Architecture 3 hrs
- ARTH 473 - Women in Art 3 hrs
- ARTH 474 - History of Graphic Design 3 hrs
- ARTH 475 - Seminar in Modern and Contemporary Art 3 hrs
- ARTH 476 - Art of China 3 hrs
- ARTS 401 - Advanced Painting I 3 hrs
- ARTS 403 - Advanced Painting II 3 hrs
- ARTS 405 - Advanced Life Drawing 3 hrs
- ARTS 407 - Advanced Life Drawing II 3 hrs
- ARTS 408 - Advanced Drawing II 3 hrs
- ARTS 410 - Intermediate Printmaking 3 hrs
- ARTS 411 - Advanced Printmaking 3 hrs
- ARTS 416 - Watercolor IV 3 hrs
- ARTS 425 - Advanced Ceramics I 3 hrs
- ARTS 426 - Advanced Ceramics II 3 hrs
- ARTS 430 - Metalsmith IV 3 hrs
- ARTS 431 - Metalsmithing V 3 hrs
- ARTS 435 - Advanced Sculpture I 3 hrs
- ARTS 437 - Advanced Sculpture III 3 hrs
- ARTS 441 - Digital Printing for Fibers 3 hrs
- ARTS 442 - Embellished Surfaces 3 hrs
- ARTS 443 - Advanced Fibers 3 hrs
- ARTS 451 - Image Making II 3 hrs
- ARTS 452 - Advanced Graphic Design 3 hrs
- ARTS 487 - Cooperative Education in Art 3 hrs

## **Master of Fine Arts (M.F.A.)(SARF)**

Adviser: Christopher Bocklage, M.F.A.  
 114 Ford  
 734.487.1268  
 cbocklage@emich.edu

### **Admission Requirements**

Applicants should see the section on admissions for general admission information and procedure. Applicants for admission to the M.F.A. degree program must have an undergraduate degree, with a major in art or approximately 30 hours of undergraduate course work in art through an accredited institution; meet degree admission standards of the Graduate School; and

1. Send an application for admission to the Office of Admissions and coordinator of the M.F.A. program in the Department of Art;
2. Submit three letters of recommendation to the graduate program coordinator in the Department of Art;
3. Send to the graduate coordinator in the Department of Art a brief statement which concisely expresses the applicant's goals and objectives as an artist/designer and the reason(s) for pursuing graduate study. The statement should also reference the artwork submitted and clarify how its content pertains to the applicant's objectives/goals. It should be no longer than one page, 12-point typed and double-spaced; and



4. Send to the graduate coordinator in the Department of Art a portfolio of 10-15 full screen size digital images of the applicant's studio work organized in a multiple page PDF or PowerPoint file, or a folder of jpegs, on a CD with captions or a separate list stating title, medium, size, and date of completion for each image submitted of the applicant's studio work, in the concentration to which he/she is applying, with a separate list stating title, medium, size and date of completion for each image submitted. (Applicants in three-dimensional disciplines may submit multiple views of examples.)

Applications received in the Department of Art by February 15 for fall semester and by October 1 for winter semester will be given priority. Late applications will be considered as studio space permits. Please consult the Graduate School section of this catalog for application deadlines.

### **Degree Requirements**

The graduate coordinator will meet with each student to construct a program of study. Students should follow closely the Graduate School requirements for "Application for Diploma." Students whose degree program includes a final exhibition of work must apply for gallery space one semester prior to the proposed exhibition. Two years of residency (full-time enrollment) are required; exceptions may be made to this requirement with the approval of the student's adviser and the M.F.A. committee.

At the end of the first year, the M.F.A. committee will review the work of each M.F.A. student and either allow the student to continue or formally ask the student to withdraw from the program. Individual passing grades assigned by a student's principal adviser or other faculty during the first full year of enrollment in the M.F.A. program shall not be construed as a guarantee that any student will be granted continuation in the M.F.A. program beyond the initial year of study, since the mid-program review by the M.F.A. committee is based upon a de-novo review of the student's entire first year of M.F.A. work and his or her performance in the mid-program review. Further, no student may rely on statements by faculty or other agents of the University that would suggest, even remotely, that the student is ensured continued enrollment in the M.F.A. program prior to a review and recommendation by the M.F.A. committee.

## **Course Requirements:**

The M.F.A. requires the completion of 60 hours of course work to be distributed among required courses, elective courses and cognate courses as follows:

### **Required Courses: 42 hours**

- ARTS 770 - Graduate Studio 6 hrs
- ARTS 771 - Graduate Studio 6 hrs
- ARTS 695 - Theory in Art 3 hrs
- ARTS 696 - Seminar in Contemporary Art 3 hrs
- ARTS 772 - Graduate Studio 6 hrs
- ARTS 773 - Graduate Thesis Exhibition and Oral Defense 6 hrs

### **The following course must be repeated for a total of: 12 hours**

- ARTS 774 - Critique and Professional Preparation Seminar 3 hrs

### **Elective Courses: 12 hours**

*Twelve hours selected from courses outside the major. Courses may be grouped to form a minor in consultation with an adviser.*

- Art elective courses (6 hrs)
- Art History elective courses (6 hrs)

## Cognate Courses: 6 hours

*Six hours selected from art or other areas in consultation with an adviser.*

## Program Total: 60 hours

## Undergraduate Courses for Graduate Credit: Art

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission. Otherwise, you will receive undergraduate credit.

- ARTH 467 - Art of East Asia 3 hrs
- ARTH 468 - Medieval Art History 3 hrs
- ARTH 469 - Baroque Art 3 hrs
- ARTH 470 - Arts of Africa 3 hrs
- ARTH 471 - Mesoamerican Art 3 hrs
- ARTH 472 - History of American Architecture 3 hrs
- ARTH 473 - Women in Art 3 hrs
- ARTH 474 - History of Graphic Design 3 hrs
- ARTH 475 - Seminar in Modern and Contemporary Art 3 hrs
- ARTH 476 - Art of China 3 hrs
- ARTS 401 - Advanced Painting I 3 hrs
- ARTS 403 - Advanced Painting II 3 hrs
- ARTS 405 - Advanced Life Drawing 3 hrs
- ARTS 407 - Advanced Life Drawing II 3 hrs
- ARTS 408 - Advanced Drawing II 3 hrs
- ARTS 410 - Intermediate Printmaking 3 hrs
- ARTS 411 - Advanced Printmaking 3 hrs
- ARTS 416 - Watercolor IV 3 hrs
- ARTS 425 - Advanced Ceramics I 3 hrs
- ARTS 426 - Advanced Ceramics II 3 hrs
- ARTS 430 - Metalsmith IV 3 hrs
- ARTS 431 - Metalsmithing V 3 hrs
- ARTS 435 - Advanced Sculpture I 3 hrs
- ARTS 437 - Advanced Sculpture III 3 hrs
- ARTS 441 - Digital Printing for Fibers 3 hrs
- ARTS 442 - Embellished Surfaces 3 hrs
- ARTS 443 - Advanced Fibers 3 hrs
- ARTS 451 - Image Making II 3 hrs
- ARTS 452 - Advanced Graphic Design 3 hrs
- ARTS 487 - Cooperative Education in Art 3 hrs

## Art Education

## **ARTE 555 - Research in Visual Arts Education**

A course designed for individual research. The purpose is to further studies in art education and to share this information with peers.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Previously Listed as:** ART508

**Repeatable:** May be repeated for credit.

## **ARTE 556 - Tradition and Innovation in Visual Arts Education**

This course explores the ideas, trends, issues and influential art educators in the histories of art education from American and international perspectives. The goal of the course is to enable students to understand contemporary art education theories and practices and to envision the future directions of art education.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Previously Listed as:** ART514

## **ARTE 557 - Technology, Research and Teaching Visual Arts**

This course explores the impact of contemporary art education approaches on technology integration in art curriculum, pedagogy and assessment as well as the issues of technology access and professional development. Students will also learn to apply the acquired knowledge, skill and experience of technology to arts advocacy, collaboration with others and research.

**Credit Hours:** 3 hrs

**Prerequisites:** ARTE 360 or department permission

**Previously Listed as:** ART513

**Last Updated:** Links 04/2011

## **ARTE 558 - New Ideas in Visual Arts Education**

Fundamentals of curriculum development and an interdisciplinary approach for developing and implementing the four components of discipline-based art education into school art programs.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Previously Listed as:** ART505

## **ARTE 559 - Teaching Art from Multiple Perspectives**

This course explores recent visual art education curriculum models and approaches that advocate the teaching of arts and aesthetics produced by people of different classes, ethnic groups, genders and local communities in the U.S. and around the world, such as multicultural, community-based, and feminist approaches to art education.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Concurrent Prerequisites:** an Upper-Level (400/500) Non-Western Art History course or permission of instructor

**Previously Listed as:** ART516

## **ARTE 560 - Visual Culture and Postmodernism**

This course introduces students to contemporary issues in art education including the role of visual culture and comprehensive art education. These approaches reflect the move in art education to build on postmodern thought calling for wider range of visual images and objects to be studied in art education programs.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Previously Listed as:** ART512

## **ARTE 694 - Seminar in Visual Arts Education**

Art education seminar involving research to enhance the class lectures and discussion concerning the subject of art's relationship to art education.

**Credit Hours:** 3 hrs

**Previously Listed as:** ART694

**Repeatable:** May be repeated for credit.

## **Art History**

### **ARTH 467 - Art of East Asia**

A detailed examination of the visual arts of China, Japan and Korea from Neolithic times to the present, with emphasis on the cultural and artistic exchanges between these and surrounding cultures.

**Credit Hours:** 3 hrs

**Prerequisites:** ARTH 161 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Previously Listed as:** ART 422

**Last Updated:** Links 04/2011

### **ARTH 468 - Medieval Art History**

The development of medieval art from the Early Christian through Gothic periods.

**Credit Hours:** 3 hrs

**Prerequisites:** ARTH 162 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Links 04/2011

### **ARTH 469 - Baroque Art**

Principal developments in Italian and northern art of the 17th century. Emphasis on major themes and aesthetic problems.

**Credit Hours:** 3 hrs

**Prerequisites:** ARTH 263 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Previously Listed as:** ART 427

**Last Updated:** Links 04/2011

## **ARTH 470 - Arts of Africa**

Examines the visual arts of sub-Saharan Africa. Analyzes and investigates the content, materials, techniques and aesthetics of traditional African art within its cultural context. Includes the integration of function and ritual, as evidenced in the tribal objects and artifacts.

**Credit Hours:** 3 hrs

**Class Restrictions:** Junior or Senior standing or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Previously Listed as:** ART 425

**Last Updated:** Graduate Credit 07/2011

## **ARTH 471 - Mesoamerican Art**

A survey of the art of Mesoamerica, the civilization that existed in Mexico and Central America from about 1500 B.C.E. until the coming of Cortés in 1519. The major emphasis of the course will be on urban planning architecture and monumental sculpture. Significant attention will also be devoted to painting, ceramics, small-scale sculpture, textiles and jewelry.

**Credit Hours:** 3 hrs

**Prerequisites:** Junior/senior standing or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Previously Listed as:** ART 430

**Last Updated:** Graduate Credit 07/2011

## **ARTH 472 - History of American Architecture**

Exploration of styles and techniques in American architecture from the colonial period to the present, with special emphasis on the sources in foreign traditions. Major figures, including Thomas Jefferson, Louis Sullivan, Frank Lloyd Wright, and Eero Saarinen and major stylistic trends, such as Greek Revival and the International Style, will be traced back through their origins and development.

**Credit Hours:** 3 hrs

**Prerequisites:** ARTH 263 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Previously Listed as:** ART429

**Last Updated:** Links 04/2011

## **ARTH 473 - Women in Art**

A survey of the contributions of female artists in the history of art. Discussions will include the history of women as patrons of the arts and the uses of the female image in art.

**Credit Hours:** 3 hrs

**Prerequisites:** ARTH 263 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Cross-listed with:** WGST 436

**Previously Listed as:** ART 436

**Last Updated:** Links 06/2011

## **ARTH 474 - History of Graphic Design**

This course presents a survey of the history of graphic design from ancient to modern. The subject is investigated in the context of relevant historical and cultural events such as the origins of the alphabet, the invention of typesetting and printing, the industrial revolution, and the digital revolution. Although the course focuses on graphic design and communication systems, it stresses connections between history of graphic design and history of architecture, the decorative arts, and product design.

**Credit Hours:** 3 hrs

**Prerequisites:** ARTH 263 and department permission

**Class Restrictions:** Sophomore standing or above

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Previously Listed as:** ART 459

**Last Updated:** 05/2011

## **ARTH 475 - Seminar in Modern and Contemporary Art**

Readings, reports, and group discussions on modern and contemporary art. Topics may vary.

**Credit Hours:** 3 hrs

**Prerequisites:** ARTH 264W or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Previously Listed as:** ART 428

**Last Updated:** Links 04/2011

## **ARTH 476 - Art of China**

A survey of the visual arts of China from the ancient to the contemporary taught from a social historical perspective with emphasis on the characteristics of the visual arts of China and the interconnections between art and Chinese society.

**Credit Hours:** 3 hrs

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit Approval 01/2012, effective Winter 2012; New Course 12/2011

## **ARTH 565 - Seminar in Modern and Contemporary Art**

Readings, reports and group discussions on modern and contemporary art. Topics may vary.

**Credit Hours:** 3 hrs

**Major Restrictions:** Art Majors only

**Previously Listed as:** ART530

**Repeatable:** May be repeated for credit.

## **Art Studio**

### **ARTS 401 - Advanced Painting I**

Emphasizes the individual student's development of a personal direction in his/her work, which is supported by a sound conceptual foundation and is executed through appropriate technical means. There is a greater expectation of intellectual growth and focused skill development at this level.

**Credit Hours:** 3 hrs

**Prerequisites:** ARTS 301 and ARTS 302

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Previously Listed as:** ART 413

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **ARTS 403 - Advanced Painting II**

The culmination of the five-course painting sequence. By the end of this course, students are expected to present a cogent body of work that is conceptually and technically sound and at a level that demonstrates they are reasonably situated to proceed to master's level work, or to enter the society as a working artist. A greater emphasis on research and writing may be included in the curriculum at this level.

**Credit Hours:** 3 hrs

**Prerequisites:** ARTS 401 and ARTS 300

**Corequisites:** ARTS 490W

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Previously Listed as:** ART 481

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **ARTS 405 - Advanced Life Drawing**

Investigation of contemporary approaches to the human figure as a subject. Emphasis is placed on interpretive skills and the development of a personal direction, which is supported by a sound technical and conceptual foundation. Group discussions and critiques are frequent.

**Credit Hours:** 3 hrs

**Prerequisites:** ARTS 290, ARTS 305 and completion of foundations portfolio review

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Previously Listed as:** ART 419

**Last Updated:** Graduate Credit 07/2011; Links 06/2011; Prerequisites 06/2011

## **ARTS 407 - Advanced Life Drawing II**

Intensive studio work involving the human figure as subject in selected projects and drawing media. Emphasis is on independent research and the development of a cogent body of work that is technically and conceptually sound. Group discussions and critiques are frequent.

**Credit Hours:** 3 hrs

**Prerequisites:** ARTS 300, ARTS 307 and ARTS 405

**Corequisites:** ARTS 490W

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Previously Listed as:** ART 439

**Last Updated:** Graduate Credit 07/2011; Links 06/2011; Prerequisites 06/2011

## **ARTS 408 - Advanced Drawing II**

Further intensive studio work in selected perceptual or conceptual problems. Emphasis is on independent research and the development of a cogent body of work that is technically and conceptually sound. Group discussions and critiques are frequent. Students will explore personal and aesthetic issues through independently driven assignments, class critiques, and visual and written materials, in the pursuit of creating an individual portfolio representative of a body of work.

**Credit Hours:** 3 hrs

**Prerequisites:** ARTS 300, ARTS 307 and ARTS 406

**Corequisites:** ARTS 490W

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; 05/2011

## **ARTS 410 - Intermediate Printmaking**

Intermediate level course that focuses on combining previous processes and taking a non-traditional approach. The course places an emphasis on working independently and conceptual development. This course will also include more in-depth critiques, research and presentations.

**Credit Hours:** 3 hrs

**Prerequisites:** ARTS 290; Three of the following: ARTS 210, ARTS 310, ARTS 311, or ARTS 312; and passed foundation review

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Previously Listed as:** ART 406

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **ARTS 411 - Advanced Printmaking**

An advanced printmaking course that pushes the understanding of earlier processes. Students develop thematic work and are expected to push the dialogue to a more advanced level. Students are also expected to work independently on projects agreed upon by the instructor.

**Credit Hours:** 3 hrs

**Prerequisites:** ARTS 410 and department permission

**Corequisites:** ARTS 490W

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; 05/2011

## **ARTS 416 - Watercolor IV**

Continuing development of an individual direction through research, planning, and process. Students focus on depth of content and self-evaluation. Preparation for the Senior Exhibition is emphasized. Individual and group critiques are frequent.

**Credit Hours:** 3 hrs

**Prerequisites:** ARTS 300, ARTS 306 and ARTS 316

**Concurrent Prerequisites:** ARTS 216

**Corequisites:** ARTS 490W

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Previously Listed as:** ART 424

**Last Updated:** Graduate Credit 07/2011; Links 06/2011; Prerequisite/Concurrent/Corequisite 06/2011

## **ARTS 425 - Advanced Ceramics I**

Emphasis is placed on the development of personal style. The student will concentrate on sculptural or utilitarian work, handbuilt or thrown. Further training in glaze and clay development. Emphasis is on individual style, production techniques, studio management and exhibition programs.

**Credit Hours:** 3 hrs

**Prerequisites:** ARTS 326 and department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Previously Listed as:** ART 408

**Last Updated:** Graduate Credit 07/2011; Links 06/2011



## **ARTS 426 - Advanced Ceramics II**

Further emphasis is placed on the development of personal style with choices made: will the student concentrate on sculptural or utilitarian work, handbuilt or thrown? Further training in glaze and clay development. The summation of the undergraduate ceramics program; emphasis on individual style, production techniques, studio management and exhibition programs.

**Credit Hours:** 3 hrs

**Prerequisites:** ARTS 421

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; 05/2011

## **ARTS 430 - Metalsmith IV**

The students will be responsible for developing a proposal for three exhibition pieces. This proposal will contain a theme, a list of experimental techniques to be tested and a procedural plan. At this point students are able to multitask in the studio. This way they can work on several pieces at once. All work will be photographed in a professional manner.

**Credit Hours:** 3 hrs

**Prerequisites:** ARTS 331

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Previously Listed as:** ART 443

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **ARTS 431 - Metalsmithing V**

This course is designed to allow students design complex metals pieces and encourage individual exploration of advanced techniques. Techniques include but are not limited to: blacksmithing, enameling, stone setting, die making, lathe work, electroforming, casting, patina exploration, hydraulic press work, photo etching, mold-making and commercial exploration or limited production work. Students will select a particular technique, research and experiment the technique, and complete three exhibition quality works.

**Credit Hours:** 3 hrs

**Prerequisites:** ARTS 430 and department permission

**Corequisites:** ARTS 490W

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **ARTS 435 - Advanced Sculpture I**

The students in advanced sculpture are allowed to pursue a concept or technique from ARTS 335 as the beginning of their self-directed studio experience. Many types of mold making are explored. Leads to bronze and other metal casting processes. Extensive experimentation in chosen technique(s) is expected.

**Credit Hours:** 3 hrs

**Prerequisites:** ARTS 335 and department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Previously Listed as:** ART 410

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **ARTS 437 - Advanced Sculpture III**

The students in advanced sculpture are directed to continue working on a concept or technique from their sculpture experiences and begin to explore and create a body of work. The students are required to write an artist statement, photograph their work, and build a digital portfolio.

**Credit Hours:** 3 hrs

**Prerequisites:** ARTS 436 and department permission

**Corequisites:** ARTS 490W

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Previously Listed as:** ART 412

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **ARTS 441 - Digital Printing for Fibers**

Advanced fibers class focusing on digital printing onto a variety of fabrics using digital photography and computer programs as a tool for further manipulation. The investigation of concepts and use of pattern, imagery and meaning onto fabrics will further transform and manipulate the fabric surface.

**Credit Hours:** 3 hrs

**Prerequisites:** ARTS 340, ARTS 341 and department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Previously Listed as:** ART 450

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **ARTS 442 - Embellished Surfaces**

This class introduces many different forms of embellishing that enhance a wide variety of surfaces. Processes will include: applique, reverse applique, beading, hand and machine sewing all on a variety of constructed surfaces. The course challenges students to develop concepts and ideas that expand the traditional boundaries of embellishment.

**Credit Hours:** 3 hrs

**Prerequisites:** ARTS 240, ARTS 290, passed foundation review, and department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; 06/2011

## **ARTS 443 - Advanced Fibers**

The primary focus is on developing a strong body of work created by using fiber or fiber related techniques culminating in portfolio development.

**Credit Hours:** 3 hrs

**Prerequisites:** ARTS 340; ARTS 341; and one of the following: ARTS 440, ARTS 441, or ARTS 442; and department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Previously Listed as:** ART 455

**Last Updated:** Graduate Credit 07/2011; Links 06/2011; Corequisites 06/2011

## **ARTS 451 - Image Making II**

Image making as applied to advanced communication concepts. Students are exposed to theories, philosophies, aesthetics, techniques and experiences used in visual message building.

**Credit Hours:** 3 hrs

**Prerequisites:** Grade of "C" or better in ARTS 352 and completion of foundations portfolio review  
**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.  
**Previously Listed as:** ART 462  
**Last Updated:** Graduate Credit 07/2011; Links 06/2011; Prerequisites 06/2011

## **ARTS 452 - Advanced Graphic Design**

Advanced work in visual communications; students are exposed to theories, philosophies, aesthetics, techniques and experiences used in complex visual communication environments.

**Credit Hours:** 3 hrs  
**Prerequisites:** Grade of "C" or better in ARTS 353, ARTS 451 and ARTH 264W  
**Corequisites:** ARTS 490W  
**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.  
**Previously Listed as:** ART 460  
**Last Updated:** Graduate Credit 07/2011; Links 06/2011; Prerequisites 06/2011

## **ARTS 487 - Cooperative Education in Art**

Employment in a graphic design firm, studio, or agency with an opportunity for practical design experience. Placement approval required by graphic design area.

**Credit Hours:** 3 hrs  
**Prerequisites:** ARTS 387; approval by graphic design area; department permission  
**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.  
**Previously Listed as:** ART 487  
**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **ARTS 500 - Painting**

Advanced studio course in oil painting.

**Credit Hours:** 2 hrs  
**Prerequisites:** department permission  
**Major Restrictions:** Art Majors only  
**Previously Listed as:** ART580  
**Repeatable:** May be repeated for credit.

## **ARTS 505 - Drawing**

Advanced studio course in drawing.

**Credit Hours:** 2 hrs  
**Prerequisites:** department permission  
**Major Restrictions:** Art Majors only  
**Previously Listed as:** ART520  
**Repeatable:** May be repeated for credit.

## **ARTS 510 - Watercolor**

Advanced studio course in watercolor.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Major Restrictions:** Art Majors only

**Previously Listed as:** ART560

**Repeatable:** May be repeated for credit.

## **ARTS 515 - Printmaking**

Advanced studio course in graphics.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Major Restrictions:** Art Majors only

**Previously Listed as:** ART550

**Repeatable:** May be repeated for credit.

## **ARTS 520 - Photography**

Advanced studio course in photography. Based on background and need of students. Designed for graduate students not majoring in photography.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Previously Listed as:** ART500

**Repeatable:** May be repeated for credit.

## **ARTS 525 - Ceramics**

Studio course in ceramics. Art majors only.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Previously Listed as:** ART510

**Repeatable:** May be repeated for credit.

## **ARTS 530 - Metalsmithing**

Advanced studio course in metalsmithing.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Major Restrictions:** Art Majors only

**Previously Listed as:** ART540

**Repeatable:** May be repeated for credit.

## **ARTS 535 - Sculpture**

Advanced studio course in sculpture.

**Credit Hours:** 2 hrs  
**Prerequisites:** department permission  
**Major Restrictions:** Art Majors only  
**Previously Listed as:** ART570  
**Repeatable:** May be repeated for credit.

### **ARTS 540 - Fibers**

Advanced fibers studio focused on developing concepts as they pertain to each student's work. Emphasis on additional research to develop a strong body of work.

**Credit Hours:** 2 hrs  
**Prerequisites:** department permission  
**Previously Listed as:** ART555  
**Repeatable:** May be repeated for credit.

### **ARTS 550 - Graphic Design**

Advanced graduate studio course in graphic design. Based on background and need of students. Intended for graduate students not concentrating in graphic design. Art majors only.

**Credit Hours:** 2 hrs  
**Prerequisites:** department permission  
**Previously Listed as:** ART509  
**Repeatable:** May be repeated for credit.

### **ARTS 570 - MA Critique and Professional Preparation Seminar**

This course will provide an opportunity for students to present and discuss their work with guest critics. In addition, the course will focus on professional preparation such as writing artist statements, the preparation of exhibition, and the verbal articulation, presentation, and/or defense of one's art work. May be repeated for credit.

**Credit Hours:** 3 hrs  
**Prerequisites:** department permission  
**Major Restrictions:** Master of Arts in Studio Art students only  
**Repeatable:** Yes; total of 6 credits  
**Last Updated:** New Course 01/2012, effective Winter 2012

### **ARTS 590 - Special Topics**

A graduate-level course in a specific area of art, to be determined by the field of specialization of the instructor and the interest of the student. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr  
**Prerequisites:** department permission  
**Previously Listed as:** ART590

### **ARTS 591 - Special Topics**

A graduate-level course in a specific area of art, to be determined by the field of specialization of the instructor and the interest of the student. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Previously Listed as:** ART591

### **ARTS 592 - Special Topics**

A graduate-level course in a specific area of art, to be determined by the field of specialization of the instructor and the interest of the student. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Previously Listed as:** ART592

### **ARTS 595 - Workshop in Art**

A workshop in studio art/art education/art history focusing on personal observation of the visual arts of a particular area.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Previously Listed as:** ART595

**Repeatable:** May be repeated for credit.

### **ARTS 596 - Workshop in Art**

A workshop in studio art/art education/art history focusing on personal observation of the visual arts of a particular area.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Previously Listed as:** ART596

**Repeatable:** May be repeated for credit.

### **ARTS 597 - Independent Study**

Advanced study on an individual basis in areas not covered, or not covered in depth, in formal course work.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Previously Listed as:** ART597

**Repeatable:** May be repeated for credit.

### **ARTS 598 - Independent Study**

Advanced study on an individual basis in areas not covered, or not covered in depth, in formal course work.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Previously Listed as:** ART598

**Repeatable:** May be repeated for credit.

### **ARTS 599 - Independent Study**

Advanced study on an individual basis in areas not covered, or not covered in depth, in formal course work.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Previously Listed as:** ART599

**Repeatable:** May be repeated for credit.

## **ARTS 600 - Painting**

Advanced studio courses in oil painting. Based on background and need of the student.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Major Restrictions:** Graduate majors only

**Previously Listed as:** ART665

**Repeatable:** May be repeated for credit.

## **ARTS 601 - Painting**

Advanced studio courses in oil painting. Based on background and need of the student.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Major Restrictions:** Graduate majors only

**Previously Listed as:** ART666

**Repeatable:** May be repeated for credit.

## **ARTS 602 - Painting**

Advanced studio courses in oil painting. Based on background and need of the student.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Major Restrictions:** Graduate majors only

**Previously Listed as:** ART667

**Repeatable:** May be repeated for credit.

## **ARTS 603 - Painting**

Advanced studio courses in oil painting. Based on background and need of the student.

**Credit Hours:** 4 hrs

**Prerequisites:** department permission

**Major Restrictions:** Graduate majors only

**Previously Listed as:** ART668

**Repeatable:** May be repeated for credit.

## **ARTS 605 - Drawing**

Advanced studio courses in drawing. Based on background and need of the student.

**Credit Hours:** 1 hr  
**Prerequisites:** department permission  
**Major Restrictions:** Graduate majors only  
**Previously Listed as:** ART620  
**Repeatable:** May be repeated for credit.

### **ARTS 606 - Drawing**

Advanced studio courses in drawing. Based on background and need of the student.

**Credit Hours:** 2 hrs  
**Prerequisites:** department permission  
**Major Restrictions:** Graduate majors only  
**Previously Listed as:** ART621  
**Repeatable:** May be repeated for credit.

### **ARTS 607 - Drawing**

Advanced studio courses in drawing. Based on background and need of the student.

**Credit Hours:** 3 hrs  
**Prerequisites:** department permission  
**Major Restrictions:** Graduate majors only  
**Previously Listed as:** ART622  
**Repeatable:** May be repeated for credit.

### **ARTS 610 - Watercolor**

Advanced studio courses in watercolor. Based on background and need of the student.

**Credit Hours:** 1 hr  
**Prerequisites:** department permission  
**Major Restrictions:** Graduate majors only  
**Previously Listed as:** ART660  
**Repeatable:** May be repeated for credit.

### **ARTS 611 - Watercolor**

Advanced studio courses in watercolor. Based on background and need of the student.

**Credit Hours:** 2 hrs  
**Prerequisites:** department permission  
**Major Restrictions:** Graduate majors only  
**Previously Listed as:** ART661  
**Repeatable:** May be repeated for credit.

### **ARTS 612 - Watercolor**

Advanced studio courses in watercolor. Based on background and need of the student.

**Credit Hours:** 3 hrs



**Prerequisites:** department permission  
**Major Restrictions:** Graduate majors only  
**Previously Listed as:** ART662  
**Repeatable:** May be repeated for credit.

### **ARTS 615 - Printmaking**

Advanced studio courses in graphics. Based on background and need of the student.

**Credit Hours:** 1 hr  
**Prerequisites:** department permission  
**Major Restrictions:** Graduate majors only  
**Previously Listed as:** ART650  
**Repeatable:** May be repeated for credit.

### **ARTS 616 - Printmaking**

Advanced studio courses in graphics. Based on background and need of the student.

**Credit Hours:** 2 hrs  
**Prerequisites:** department permission  
**Major Restrictions:** Graduate majors only  
**Previously Listed as:** ART651  
**Repeatable:** May be repeated for credit.

### **ARTS 617 - Printmaking**

Advanced studio courses in graphics. Based on background and need of the student.

**Credit Hours:** 3 hrs  
**Prerequisites:** department permission  
**Major Restrictions:** Graduate majors only  
**Previously Listed as:** ART652  
**Repeatable:** May be repeated for credit.

### **ARTS 620 - Photography I**

Advanced studio course in photography. Based on background and need of students.

**Credit Hours:** 1 hr  
**Previously Listed as:** ART600  
**Repeatable:** May be repeated for credit.

### **ARTS 621 - Photography II**

Advanced studio course in photography. Based on background and need of students. This course allows the student a more intense photographic experience than ARTS 620.

**Credit Hours:** 2 hrs  
**Prerequisites:** department permission  
**Previously Listed as:** ART601

**Repeatable:** May be repeated for credit.

**Last Updated:** Links 05/2011

### **ARTS 622 - Photography III**

Advanced studio course in photography. Based on background and need of students. This course allows the student a more intense photographic experience than ARTS 621.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Previously Listed as:** ART602

**Repeatable:** May be repeated for credit.

**Last Updated:** Links 05/2011

### **ARTS 623 - Photography IV**

Advanced studio course in photography. Based on background and need of students. This course allows the student a more intense photographic experience than ARTS 622.

**Credit Hours:** 4 hrs

**Prerequisites:** department permission

**Previously Listed as:** ART603

**Repeatable:** May be repeated for credit.

**Last Updated:** Links 05/2011

### **ARTS 625 - Ceramics**

Advanced studio courses in ceramics. Based on background and need of the student.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Major Restrictions:** Graduate majors only

**Previously Listed as:** ART610

**Repeatable:** May be repeated for credit.

### **ARTS 626 - Ceramics**

Advanced studio courses in ceramics. Based on background and need of the student.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Major Restrictions:** Graduate majors only

**Previously Listed as:** ART611

**Repeatable:** May be repeated for credit.

### **ARTS 627 - Ceramics**

Advanced studio courses in ceramics. Based on background and need of the student.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Major Restrictions:** Graduate majors only  
**Previously Listed as:** ART612  
**Repeatable:** May be repeated for credit.

### **ARTS 630 - Metalsmithing**

Advanced studio courses in metalsmithing. Based on background and need of the student.

**Credit Hours:** 1 hr  
**Prerequisites:** department permission  
**Major Restrictions:** Graduate majors only  
**Previously Listed as:** ART640  
**Repeatable:** May be repeated for credit.

### **ARTS 631 - Metalsmithing**

Advanced studio courses in metalsmithing. Based on background and need of the student.

**Credit Hours:** 2 hrs  
**Prerequisites:** department permission  
**Major Restrictions:** Graduate majors only  
**Previously Listed as:** ART641  
**Repeatable:** May be repeated for credit.

### **ARTS 632 - Metalsmithing**

Advanced studio courses in metalsmithing. Based on background and need of the student.

**Credit Hours:** 3 hrs  
**Prerequisites:** department permission  
**Major Restrictions:** Graduate majors only  
**Previously Listed as:** ART642  
**Repeatable:** May be repeated for credit.

### **ARTS 635 - Sculpture**

Advanced studio courses in sculpture. Based on background and need of the student.

**Credit Hours:** 1 hr  
**Prerequisites:** department permission  
**Major Restrictions:** Graduate majors only  
**Previously Listed as:** ART670  
**Repeatable:** May be repeated for credit.

### **ARTS 636 - Sculpture**

Advanced studio courses in sculpture. Based on background and need of the student.

**Credit Hours:** 2 hrs  
**Prerequisites:** department permission  
**Major Restrictions:** Graduate majors only

**Previously Listed as:** ART671

**Repeatable:** May be repeated for credit.

## **ARTS 637 - Sculpture**

Advanced studio courses in sculpture. Based on background and need of the student.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Major Restrictions:** Graduate majors only

**Previously Listed as:** ART672

**Repeatable:** May be repeated for credit.

## **ARTS 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Previously Listed as:** ART639

**Last Updated:** 2/18/2011

## **ARTS 640 - Advanced Fibers I**

Advanced fibers studio focused on developing concepts and techniques as they pertain to each student's work.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Major Restrictions:** Graduate majors only

**Previously Listed as:** ART655

**Repeatable:** May be repeated for credit.

## **ARTS 641 - Advanced Fibers II**

Advanced fibers studio focused on developing concepts and techniques as they pertain to each student's work.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Major Restrictions:** Graduate majors only

**Previously Listed as:** ART656

**Repeatable:** May be repeated for credit.

## **ARTS 642 - Advanced Fibers III**

Advanced fibers studio focused on continued development of concepts and techniques as they pertain to each student's work.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Major Restrictions:** Graduate majors only

**Previously Listed as:** ART657

**Repeatable:** May be repeated for credit.

## **ARTS 650 - Advanced Design Studies**

In this class, students are expected to conduct intensive research in design history, theory and criticism. Readings focus on the evaluation of design and on cultural factors that impact design. Reading and writing is stressed.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Major Restrictions:** MA students in major only

**Previously Listed as:** ART605

**Repeatable:** May be repeated for credit.

## **ARTS 651 - Advanced Studio in Graphic Design I**

In this class, students are expected to conduct research, produce project proposals and generate studio projects. There may be occasional assigned projects. This class encourages innovative conceptualization and visual experimentation in studio work.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Major Restrictions:** MA students in major only

**Previously Listed as:** ART606

**Repeatable:** May be repeated for credit.

## **ARTS 652 - Advanced Studio in Graphic Design II**

In this class, students are expected to conduct more independent project proposals and studio projects than in ARTS 651. There may be occasional assigned projects. This class encourages innovative conceptualization and visual experimentation in studio projects.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Major Restrictions:** MA students in major only

**Previously Listed as:** ART607

**Repeatable:** May be repeated for credit.

**Last Updated:** Links 05/2011

## **ARTS 653 - Intensive Studio in Graphic Design I**

In this studio class, students are expected to conduct more independent research and generate more independent studio projects than in ARTS 652. Detailed project proposals are required. This class encourages innovative conceptualization and visual experimentation in studio projects.

**Credit Hours:** 4 hrs

**Prerequisites:** department permission

**Major Restrictions:** MA students in major only

**Previously Listed as:** ART608

**Repeatable:** May be repeated for credit.

**Last Updated:** Links 05/2011

## **ARTS 654 - Intensive Studio in Graphic Design II**

In this studio class, students are expected to conduct more independent research and generate more complex, independent studio projects than in ARTS 653. Detailed project proposals are required. This class encourages innovative conceptualization and visual experimentation in studio projects.

**Credit Hours:** 4 hrs

**Prerequisites:** ARTS 653, and department permission

**Major Restrictions:** MA students in major only

**Previously Listed as:** ART609

**Repeatable:** May be repeated for credit.

**Last Updated:** Links 05/2011

## **ARTS 679 - Special Topics**

A graduate-level course in a specific area of art, to be determined by the field of specialization of the instructor and the interest of the student.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Previously Listed as:** ART679

**Notes:** Not more than six hours of special topics may be used on a degree program.

**Repeatable:** May be repeated for credit.

## **ARTS 680 - Special Topics**

A graduate-level course in a specific area of art, to be determined by the field of specialization of the instructor and the interest of the student.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Previously Listed as:** ART680

**Notes:** Not more than six hours of special topics may be used on a degree program.

**Repeatable:** May be repeated for credit.

## **ARTS 681 - Special Topics**

A graduate-level course in a specific area of art, to be determined by the field of specialization of the instructor and the interest of the student.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Previously Listed as:** ART681

**Notes:** Not more than six hours of special topics may be used on a degree program.

**Repeatable:** May be repeated for credit.

## **ARTS 690 - Thesis**

Completion of research problem, writing thesis and defense of thesis.

**Credit Hours:** 1 hr

**Prerequisites:** department permission  
**Previously Listed as:** ART690  
**Terms Offered:** Offered on a credit/no credit basis.

### **ARTS 691 - Thesis**

Completion of research problem, writing thesis and defense of thesis.

**Credit Hours:** 2 hrs  
**Prerequisites:** department permission  
**Previously Listed as:** ART691  
**Terms Offered:** Offered on a credit/no credit basis.

### **ARTS 692 - Thesis**

Completion of research problem, writing thesis and defense of thesis.

**Credit Hours:** 3 hrs  
**Prerequisites:** department permission  
**Previously Listed as:** ART692  
**Terms Offered:** Offered on a credit/no credit basis.

### **ARTS 695 - Theory in Art**

This course investigates the theory, methodology and criticism associated with modern and postmodern ideas. Readings, discussion and regular writing assignments ask students to examine the relationship of these ideas to larger issues such as race, sexuality, mass media and contemporary culture. The seminar will be offered once a year, alternating semesters with the second ART696 Seminar in Contemporary Art course.

**Credit Hours:** 3 hrs  
**Prerequisites:** department permission  
**Previously Listed as:** ART695  
**Last Updated:** 2/11/2011

### **ARTS 696 - Seminar in Contemporary Art**

Topics based on various ideas, trends and themes in contemporary art will be selected by the instructor. The course will vary widely in subject matter and will not be limited to the study of any one particular art discipline.

**Credit Hours:** 3 hrs  
**Prerequisites:** department permission  
**Previously Listed as:** ART696  
**Repeatable:** May be repeated for credit.  
**Last Updated:** 2/11/2011

### **ARTS 697 - Independent Study**

Advanced study on an individual basis in areas not covered, or not covered in-depth, in formal course work.

**Credit Hours:** 1 hr  
**Prerequisites:** department permission

**Previously Listed as:** ART697

**Repeatable:** May be repeated for credit.

### **ARTS 698 - Independent Study**

Advanced study on an individual basis in areas not covered, or not covered in-depth, in formal course work.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Previously Listed as:** ART698

**Repeatable:** May be repeated for credit.

### **ARTS 699 - Independent Study**

Advanced study on an individual basis in areas not covered, or not covered in-depth, in formal course work.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Previously Listed as:** ART699

**Repeatable:** May be repeated for credit.

### **ARTS 770 - Graduate Studio**

The first of four graduate studio courses for M.F.A. degree candidates. Course is conducted on a one-to-one basis. Instructor is selected for the student upon his/her acceptance into the program by the department's graduate committee.

**Credit Hours:** 6 hrs

**Prerequisites:** department permission

**Corequisites:** ARTS 774

**Major Restrictions:** Open to M.F.A. candidates only

**Previously Listed as:** ART630

**Repeatable:** May be repeated for credit.

**Last Updated:** May 2011

### **ARTS 771 - Graduate Studio**

The second of four graduate studio courses for M.F.A. degree candidates. Course is conducted on a one-to-one basis. Instructor is selected for the student upon his/her acceptance into the program by the department's graduate committee.

**Credit Hours:** 6 hrs

**Prerequisites:** department permission

**Corequisites:** ARTS 774

**Major Restrictions:** Open to M.F.A. candidates only

**Previously Listed as:** ART631

**Repeatable:** May be repeated for credit.

**Last Updated:** Links 05/2011

### **ARTS 772 - Graduate Studio**

The third of four graduate studio courses for M.F.A. degree candidates. Course is conducted on a one-to-one basis. Instructor is selected for the student upon his/her acceptance into the program by the department's graduate committee.



**Credit Hours:** 6 hrs  
**Prerequisites:** department permission  
**Corequisites:** ARTS 774  
**Major Restrictions:** Open to M.F.A. candidates only  
**Previously Listed as:** ART 732  
**Repeatable:** May be repeated for credit.  
**Last Updated:** May 2011

### **ARTS 773 - Graduate Thesis Exhibition and Oral Defense**

The Culmination of the three previous sequential graduate studio blocks. Concepts developed will result in a body of work that comprises the graduate exhibition. A written thesis is optional. An oral defense of the idea presented in the exhibition is required. The University reserves the right to retain work from the graduate exhibition to be included in the EMU collection. A set of images (35mm slides or CD) of at least ten works from the exhibition will be submitted by the M.F.A. candidate and will become part of the Art Department's files.

**Credit Hours:** 6 hrs  
**Prerequisites:** department permission  
**Corequisites:** ARTS 774  
**Major Restrictions:** Open to M.F.A. candidates only  
**Previously Listed as:** ART733  
**Last Updated:** May 2011

### **ARTS 774 - Critique and Professional Preparation Seminar**

This course will provide an opportunity for students to present and discuss their work with guest critics. In addition, the course will focus on professional preparation such as writing artist statements, the preparation of exhibition and the verbal articulation, presentation and/or defense of one's art work.

**Credit Hours:** 3 hrs  
**Prerequisites:** department permission  
**Corequisites:** ARTS 770, ARTS 771, ARTS 772, ARTS 773  
**Previously Listed as:** ART 734  
**Repeatable:** Must be repeated for a total of 12 credits.  
**Terms Offered:** This course is offered on a credit/no credit basis.  
**Last Updated:** May 2011

# **Biology Programs and Courses**

## **Biology**

### **Graduate Certificate**

### **Graduate Certificate in Water Resources (WTRS)**

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mkasenow@emich.edu

Adviser: David Kass, Ph.D.  
316 Mark Jefferson  
734.487.4242  
dkass@emich.edu

### **Course Requirements:**

The graduate certificate in water resources requires the completion of 17 hours of course work to be distributed among required courses as follows:

### **Required Courses: 16-17 hours**

- BIO 510 - Limnology 3 hrs
- BIO 513 - Wetland Ecosystems 3 hrs
- GEOG 579 - Geographic Information Systems 3 hrs
- GEOG 678 - Advanced Desktop Programming for GIS Customization 3 hrs

### **One course from the following:**

- ESSC 448 - Hydrogeology 3 hrs
- ESSC 459 - Aquifer Analysis 3 hrs

### **One course from the following:**

- BIO 697 - Independent Study 1 hr
- BIO 698 - Independent Study 2 hrs

**Certificate Total: 16-17 hours**

## **Master's**

# Master of Science in Biology - General (BIOG)

Adviser: David Kass, Ph.D.  
316 Mark Jefferson  
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dkass@emich.edu

This program provides students with the opportunity to design a master of science program that meets their unique needs. As such, it is able to accommodate students with a wide range of backgrounds and career goals. It may be particularly suitable in providing additional background in biology for secondary teachers, preparing a broad background for students interested in community college teaching or intent on entering or in other professional careers.

## Admission Requirements

All concentrations in the biology master's program share the same general requirements for admission:

1. A bachelor's degree from an accredited institution;
2. At least 20 hours in biology, with courses in genetics and physiology;
3. One year of general chemistry;
4. One year of organic chemistry, or one semester of organic chemistry and one semester of biochemistry;
5. One year of basic physics;
6. One semester of calculus or statistics;
7. An academic record of B (3.0) or better during the junior and senior years;
8. Submission to the Office of Graduate Admissions of a completed departmental admission form, two letters of recommendation and a personal statement;
9. Submission to the Office of Graduate Admissions scores from the Graduate Record Examinations (GRE) general test (subject test not required); and
10. Meeting the admission requirements of the Graduate School.

Additional requirements for admission are stipulated for the ecology and organismal biology and cellular/molecular programs and are indicated under the descriptions of those programs.

## Conditional Admission

Students deficient in a requirement for admission to any of the programs may be granted conditional admission, subject to removal of the deficiency, while beginning graduate study. Hours earned in making up deficiencies are in addition to those normally required for the degree.

## Degree Requirements

At least 30 hours of approved graduate-level work is required, including a minimum of 24 hours within the Department of Biology. To ensure scheduling of appropriate research experiences, internships and specialized course work, students must, by the end of their first semester, formulate a specific program of study in consultation with their faculty guidance committee. After approval, this program is kept on file by the graduate coordinator and may not be changed without written approval of the guidance committee.

In addition to the common requirements, students must opt for one of two alternative degree plans: thesis or non-thesis.

**Thesis:** *This plan is most appropriate for students intending on a research career in biology.* A candidate completes an original investigation under the supervision of a guidance (thesis) committee. This research must be suitable for publication, written in a

form acceptable to the Graduate School and defended in an oral examination. The plan requires a minimum of 30 credit hours including a minimum of six credit hours and a maximum of 10 credit hours in research (thesis and independent study). A maximum of six hours may be earned in BIO 690/691/692 - Thesis for thesis research.

**Non-thesis:** *This plan is most appropriate for students intending on a professional career that does not emphasize research or for those interested in obtaining a broader understanding of biological theory.* All students in this plan must complete 34 credit hours of course work. All candidates are encouraged to include research or practical experiences by enrolling for three hours in either BIO 587 - Cooperative Education in Biology, BIO 686/687/688 - Practicum in Biology or BIO 697/698/699 - Independent Study.

### **Advising**

Upon admission to the biology program, students will receive initial advising from the graduate coordinator, the principal adviser in their selected concentration, or the departmental graduate committee. Students are responsible for forming a permanent guidance committee and developing a program of study approved by that committee before registering for their second semester. After the first semester, if no program of study is on file, the guidance committee is not obligated to include any unapproved courses taken as part of the student's final program. The guidance committee for Thesis students will include at least three faculty members from the Department of Biology. The student usually selects the chair of the committee, and the other two members are chosen by the chair in consultation with the student. Additional members of the committee may be added from inside or outside the department by agreement between the chair and the student.

The guidance committee for Non-thesis students will consist of the principal graduate adviser for the selected concentration and the graduate coordinator. The graduate adviser, in consultation with the student, will prepare the student's program, which must be approved by the graduate coordinator. The student may select a third member of the guidance committee from faculty within the Department of Biology.

## **Course Requirements:**

This concentration in general biology requires a minimum of 30 credit hours for thesis students and 34 credit hours for non-thesis students. As many as six hours may be taken outside of the Department of Biology as cognates. All courses in the program of study must be approved by the student's guidance committee.

## **Required Courses: 2-8 hours**

- BIO 501 - Proposal Development in Biology 1 hr
- BIO 502 - Seminar in Biology 1 hr

## **Thesis students must select a minimum of six hours of research:**

- BIO 690 - Thesis 1 hr
- BIO 691 - Thesis 2 hrs
- BIO 692 - Thesis 3 hrs
- BIO 697 - Independent Study 1 hr
- BIO 698 - Independent Study 2 hrs
- BIO 699 - Independent Study 3 hrs

## **Restricted Elective Course: 22-32**

*22 to 32 credit hours selected in consultation with the graduate adviser.*

## Cognate Courses: 0-6 hours

*Up to six hours selected in consultation with the graduate adviser.*

## Program Total: 30-34 hours

## Undergraduate Courses for Graduate Credit: Biology

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

### Biology

- BIO 406 - The Nature of Science 1 hr
- BIO 412 - Biogeography 3 hrs
- BIO 415 - Microbial Ecology 3 hrs
- BIO 459 - Mycology 3 hrs
- BIO 460 - Plant Anatomy 3 hrs
- BIO 461 - Plant Physiology 3 hrs
- BIO 462 - Plant Biotechnology 3 hrs
- BIO 473 - Concepts in Animal Physiology 3 hrs
- BIO 474 - Comparative Anatomy of Vertebrates 4 hrs

## Master of Science in Ecology and Organismal Biology (EOBI)

Adviser: David Kass, Ph.D.  
316 Mark Jefferson  
734.487.4242  
dkass@emich.edu

The master of science in ecology and organismal biology program prepares students for research and teaching careers in such fields as aquatic ecology, terrestrial ecology, evolutionary biology, behavioral ecology and physiological ecology. It provides background for students entering doctoral programs in diverse areas of plant, animal and microbial ecology. It also prepares research personnel for careers with government agencies or private companies concerned with the protection or management of aquatic and terrestrial ecosystems. The program stresses the development of research skills, taxonomic expertise, field and laboratory methods and their application to both theoretical and applied ecology.

### Course Requirements:

This concentration in ecology and organismal biology requires a minimum of 30 credit hours for thesis students and 34 credit hours for nonthesis students. As many as six hours may be taken outside of the Department of Biology as cognates. All courses in the program of study must be approved by the student's guidance committee.

## Required Courses: 5-11 hours

- BIO 501 - Proposal Development in Biology 1 hr
- BIO 502 - Seminar in Biology 1 hr
- BIO 509 - Statistics for Biologists 3 hrs

Thesis students must select a minimum of six hours of research:

- BIO 690 - Thesis 1 hr
- BIO 691 - Thesis 2 hrs
- BIO 692 - Thesis 3 hrs
- BIO 697 - Independent Study 1 hr
- BIO 698 - Independent Study 2 hrs
- BIO 699 - Independent Study 3 hrs

## Restricted Elective Courses: 9-15 hours

*Thesis students must select a minimum of three courses and nonthesis students must select a minimum of five courses from the following:*

- BIO 412 - Biogeography 3 hrs
- BIO 510 - Limnology 3 hrs
- BIO 511 - Animal Physiological Ecology 3 hrs
- BIO 513 - Wetland Ecosystems 3 hrs
- BIO 514 - Terrestrial Ecosystems 3 hrs
- BIO 546 - Genome Analysis 3 hrs
- BIO 557 - Aquatic Plants 3 hrs
- BIO 588 - Biology of Arachnids 3 hrs
- BIO 572 - Parasitology 3 hrs

## Elective Courses: 11-15 hours

*Elective courses to be selected in consultation with a graduate adviser. Non-thesis students must include a minimum of two taxonomic field courses, as listed in the Graduate Catalog.*

## Cognate Courses: 0-6 hours

*Up to six credit hours selected in consultation with graduate adviser.*

## Program Total: 30-34 hours

## Undergraduate Courses for Graduate Credit: Biology

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

## Biology

- BIO 406 - The Nature of Science 1 hr
- BIO 412 - Biogeography 3 hrs
- BIO 415 - Microbial Ecology 3 hrs
- BIO 459 - Mycology 3 hrs
- BIO 460 - Plant Anatomy 3 hrs
- BIO 461 - Plant Physiology 3 hrs
- BIO 462 - Plant Biotechnology 3 hrs
- BIO 473 - Concepts in Animal Physiology 3 hrs
- BIO 474 - Comparative Anatomy of Vertebrates 4 hrs

## Master of Science in Molecular/Cellular Biology (MCBI)

Adviser: David Kass, Ph.D.  
316 Mark Jefferson  
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dkass@emich.edu

This program prepares students to pursue research and teaching careers in molecular and cellular biology. In addition to the general requirements stated for admission to the master of science in biology program stated above, this concentration requires the following for admission:

1. One year of general biology or equivalent (replaces twenty hours in biology);
2. A course in genetics and a course in physiology; and
3. A course in biochemistry with laboratory.

If a statistics course was not previously taken, BIO 509 - Statistics for Biologists must be taken as part of the program of study. A course in physical chemistry and a course in microbiology are highly recommended.

## Course Requirements:

The concentration in molecular/cellular biology requires a minimum of 30 credit hours for thesis students and 34 credit hours for non-thesis students. As many as six hours may be taken outside of the Department of Biology as cognates. All courses in the program of study must be approved by the student's guidance committee.

## Required Courses: 11-17 hours

- BIO 501 - Proposal Development in Biology 1 hr
- BIO 502 - Seminar in Biology 1 hr
- BIO 526 - Immunobiology 3 hrs
- BIO 540 - Cell Biology 3 hrs
- BIO 542 - Molecular Genetics 3 hrs

Thesis students must select a minimum of six hours of research:

- BIO 690 - Thesis 1 hr
- BIO 691 - Thesis 2 hrs
- BIO 692 - Thesis 3 hrs
- BIO 697 - Independent Study 1 hr
- BIO 698 - Independent Study 2 hrs
- BIO 699 - Independent Study 3 hrs

## Restricted Elective Courses: 13-23 hours

*13 to 23 credit hours selected in consultation with the graduate adviser. At least five hours must include research methodology courses.*

## Cognate Courses: 0-6 hours

*Up to six credit hours selected in consultation with graduate adviser.*

## Program Total: 30-34 hours

## Undergraduate Courses for Graduate Credit: Biology

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

### Biology

- BIO 406 - The Nature of Science 1 hr
- BIO 412 - Biogeography 3 hrs
- BIO 415 - Microbial Ecology 3 hrs
- BIO 459 - Mycology 3 hrs
- BIO 460 - Plant Anatomy 3 hrs
- BIO 461 - Plant Physiology 3 hrs
- BIO 462 - Plant Biotechnology 3 hrs
- BIO 473 - Concepts in Animal Physiology 3 hrs
- BIO 474 - Comparative Anatomy of Vertebrates 4 hrs

### Biology

#### **BIO 406 - The Nature of Science**

This course examines the nature of scientific evidence, inquiry, hypothesis, models and laws. The development of science is put in the context of the structure and history of the scientific community. Interactions among scientists and between scientists and the rest of society are studied from an ethical perspective.

**Credit Hours:** 1 hr



**Prerequisites:** C- or better in BIO 301

**Major Restrictions:** Department permission required for science majors or minors from other programs

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Cross-listed with:** ESSC 406, CHEM 406, PHY 406

**Previously Listed as:** BIOL 406

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **BIO 411 - Animal Physiological Ecology**

A lecture, laboratory and discussion course covering thermoregulation, metabolic rate, torpor, water flux, and specific adaptations for life in the cold, deserts, high altitude and great depths. Laboratory work emphasizes computerized data acquisition.

**Credit Hours:** 3 hrs

**Prerequisites:** BIO 305 or BIO 310

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Cross-listed with:** BIO 511

**Previously Listed as:** ZOOL 439

**Last Updated:** Graduate Credit 07/2011; 05/2011

## **BIO 412 - Biogeography**

A lecture course involving the descriptive and historical aspects of plant and animal distribution and the basic principles governing their natural distribution in both space and time.

**Credit Hours:** 3 hrs

**Prerequisites:** BIO 120 and ESSC 108, ESSC 202, ESSC 110 or ESSC 111

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Previously Listed as:** BIOL 412

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **BIO 415 - Microbial Ecology**

Interactions among microbes (fungi, bacteria, some phages), other living organisms and the environment, with emphases on parasitism, mutualism, commensalism and biogeochemical recycling of matter. Includes both laboratory and field exercises.

**Credit Hours:** 3 hrs

**Prerequisites:** BIO 425

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Previously Listed as:** MICR 442

**Last Updated:** Graduate Credit 07/2011; 05/2011

## **BIO 429 - Bacterial Pathogenesis**

A lecture course that examines the mechanisms of bacterial pathogenesis. Emphasis will be placed on host-bacterial interactions that lead toward bacterial infection.

**Credit Hours:** 3 hrs

**Prerequisites:** BIO 425

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Previously Listed as:** MICR 455

**Last Updated:** Graduate Credit 07/2011; 05/2011

## **BIO 446 - Genome Analysis**

An introductory course to the field of genomics. This involves the study of genome data and exploration of the organization, dynamics and evolution of genes and genomes. The laboratory component involves analyses of genes, genomic variation/DNA fingerprinting, DNA sequences and molecular evolution.

**Credit Hours:** 4 hrs

**Prerequisites:** BIO 305, BIO 306W or BIO 548

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Cross-listed with:** BIO 546

**Previously Listed as:** BIOL 401

**Last Updated:** Graduate Credit 07/2011; 05/2011

## **BIO 447 - Scanning Electron Microscopy**

A lecture-laboratory course that provides the basic theory and practice of scanning electron microscopy. Lectures are coordinated with individualized instruction on laboratory equipment. Students design and conduct an original research project that is presented in both written and oral forms at the end of the semester.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Previously Listed as:** BIOL 418

**Last Updated:** Graduate Credit 07/2011; 06/2011

## **BIO 459 - Mycology**

A lecture-laboratory course on the study of molds, rusts, mildews, edible and poisonous mushrooms, and other fungi. Their life history, economic importance, method of identification and preservation are considered.

**Credit Hours:** 3 hrs

**Prerequisites:** BIO 120 or BIO 130

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Previously Listed as:** BOTN 404

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **BIO 460 - Plant Anatomy**

A basic lecture-laboratory course in plant histology emphasizing recognition of primary and secondary tissues as variously combined in root, stem, leaf and flower of a wide variety of representative seed plants.

**Credit Hours:** 3 hrs

**Prerequisites:** BIO 120 or BIO 130

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Previously Listed as:** BOTN 412

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **BIO 461 - Plant Physiology**

A detailed study of major plant functions with emphasis on growth and development presented by lecture, demonstration and experimentation in laboratory and greenhouse.

**Credit Hours:** 3 hrs

**Prerequisites:** BIO 305 and BIO 306; and CHEM 270 or CHEM 372

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Previously Listed as:** BOTN 442

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **BIO 462 - Plant Biotechnology**

A hands-on exploration of the techniques used in plant biotechnology and their application to agricultural biotechnology and basic science. State-of-the-art molecular biology techniques are applied to genetic engineering of plants and plant products. Lecture and discussion provide the theoretical basis for the techniques used.

**Credit Hours:** 3 hrs

**Prerequisites:** BIO 305 and BIO 306W

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Previously Listed as:** BOTN 445

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **BIO 472 - Parasitology**

A survey of animal parasites that affect other animals including the human.

**Credit Hours:** 3 hrs

**Prerequisites:** BIO 120 or BIO 140

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Cross-listed with:** BIO 572

**Previously Listed as:** ZOOL 462

**Last Updated:** Graduate Credit 06/2011

## **BIO 473 - Concepts in Animal Physiology**

Central themes in physiology (circulation, metabolism, water balance, temperature regulation, communication, movement, reproduction) will be studied. Class activities will examine strategies used by vertebrates and invertebrates with regard to these physiological concepts. Current literature, experiments and case studies will be used to demonstrate the diverse physiological responses of animals.

**Credit Hours:** 3 hrs

**Prerequisites:** BIO 305

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Previously Listed as:** ZOOL 445

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **BIO 474 - Comparative Anatomy of Vertebrates**

The anatomy of the vertebrate organ systems is studied on a comparative basis, which emphasizes the evolutionary development of the groups. Laboratory work includes detailed dissection of a shark and cat.

**Credit Hours:** 4 hrs

**Lecture/Lab Hours:** Three one-hour lectures and two two-hour laboratory periods per week.

**Prerequisites:** BIO 120 or BIO 140

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Previously Listed as:** ZOOL 431

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

### **BIO 501 - Proposal Development in Biology**

Students will develop a focused proposal for experimentation in biology that includes a review of the literature underlying the experimental proposal, a testable hypothesis and an experimental plan. Two one-hour recitation sections per week.

**Credit Hours:** 1 hr

**Previously Listed as:** BIOL 589

### **BIO 502 - Seminar in Biology**

Presentation of special reports and group discussions of selected topics.

**Credit Hours:** 1 hr

**Prerequisites:** Admission to Master of Science in Biology

**Previously Listed as:** BIOL 593

**Terms Offered:** Offered on a credit/no credit basis.

### **BIO 508 - Historical Analysis of Biological Investigations**

In this lecture/discussion course, we will examine societal thinking prior to and following formation of some of the major biological theories in four major themes in biology: 1) the interdependence of living systems and the environment; 2) organization of living things; 3) heredity; and 4) evolution using a NOS framework.

**Credit Hours:** 3 hrs

**Last Updated:** New Course 01/2012, effective Winter 2012

### **BIO 509 - Statistics for Biologists**

A course in how and why biologists use statistics. This course emphasizes quantitative thinking about biological problems and introduces statistical tools as necessary to address these problems. As in real research, computers are used for most calculations, freeing humans to concentrate on the interpretation and communication of results.

**Credit Hours:** 3 hrs

**Prerequisites:** Admission to Master of Science in Biology

**Previously Listed as:** BIOL 509

### **BIO 510 - Limnology**

A lecture, laboratory and field course dealing with physicochemical and biological interrelationships in standing waters.

**Credit Hours:** 3 hrs

**Prerequisites:** Admission to Master of Science in Biology

**Cross-listed with:** BIO 410

**Previously Listed as:** BIOL 522

**Last Updated:** Links 06/2011

### **BIO 511 - Animal Physiological Ecology**

A lecture, laboratory and discussion course covering thermoregulation, metabolic rate, torpor, water flux, and specific adaptations for life in the cold, deserts, high altitude and great depths. Laboratory work emphasizes computerized data acquisition.

**Credit Hours:** 3 hrs

**Prerequisites:** Admission to Master of Science in Biology

**Cross-listed with:** BIO 411

**Last Updated:** Links 06/2011

## **BIO 513 - Wetland Ecosystems**

Advanced field ecology course in the theory and methods of study of wetland ecosystems.

**Credit Hours:** 3 hrs

**Prerequisites:** Admission to Master of Science in Biology

**Cross-listed with:** BIO 413

**Previously Listed as:** BIOL 535

**Last Updated:** Links 06/2011

## **BIO 514 - Terrestrial Ecosystems**

Advanced field ecology course in the theory and methods of study of the structure and dynamics of terrestrial ecosystems.

**Credit Hours:** 3 hrs

**Prerequisites:** Admission to Master of Science in Biology

**Cross-listed with:** BIO 414

**Previously Listed as:** BIOL 536

**Last Updated:** Links 06/2011

## **BIO 526 - Immunobiology**

Cellular and molecular responses to immunogens; primary and peripheral immune organs; T-cells and B-cells in cell-mediated and humoral immunity, immune regulation and mechanisms; hypersensitivity; immunity against microbial infectious agents; antigen/antibody reactions in vitro used in research and diagnostics. CHEM 451 is highly recommended.

**Credit Hours:** 3 hrs

**Prerequisites:** Admission to Master of Science in Biology

**Cross-listed with:** BIO 426

**Previously Listed as:** BIOL 526

**Last Updated:** Links 06/2011

## **BIO 527 - Immunobiological Methods**

An individualized laboratory course on antibody production with available antigens; immunodiffusional and immunoelectrophoretic analysis of antigens and their components with available sera; immunobiological research projects of student's choice. Must be taken concurrently with BIO 526. CHEM 452 is highly recommended. Counts as a technique course.

**Credit Hours:** 1 hr

**Concurrent Prerequisites:** BIO 526 (if taken concurrently, students must register for BIO 526 first)

**Previously Listed as:** BIOL 527

**Last Updated:** Links 05/2011

## **BIO 528 - General Virology**

A lecture course presenting the molecular nature and replicative strategies of virus families infecting vertebrates. Aspects of virus-induced transformation (tumorigenesis), cell pathology and immune-responses will also be covered.

**Credit Hours:** 3 hrs

**Prerequisites:** Admission to Master of Science in Biology

**Previously Listed as:** MICR520

## **BIO 540 - Cell Biology**

A lecture course covering the structure and function of the nuclear and cytoplasmic components of the cell.

**Credit Hours:** 3 hrs

**Prerequisites:** Admission to Master of Science in Biology

**Previously Listed as:** BIOL 540

## **BIO 542 - Molecular Genetics**

A follow-up to introductory genetics that concentrates on the molecular aspects of the subject.

**Credit Hours:** 3 hrs

**Prerequisites:** Admission to Master of Science in Biology

**Previously Listed as:** BIOL 542

## **BIO 543 - Developmental Biology**

A course on the molecular aspects of early development, cytodifferentiation, cell communication, morphogenesis, pattern formation and developmental genetics.

**Credit Hours:** 3 hrs

**Prerequisites:** Admission to Master of Science in Biology

**Cross-listed with:** BIO 443

**Previously Listed as:** BIOL 543

**Last Updated:** Links 06/2011

## **BIO 544 - Tissue Culture Techniques and Methods**

A course on the techniques and methodologies employed in plant and animal cell culture. An introduction to theory and practice which facilitates students' ability to develop and use in vitro systems.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Previously Listed as:** BIOL 544

**Notes:** Counts as a technique course.

## **BIO 545 - Recombinant DNA Techniques**

A laboratory course that introduces students to basic bacterial molecular biology, gene cloning, DNA sequencing and DNA sequence analysis.

**Credit Hours:** 3 hrs  
**Prerequisites:** department permission  
**Previously Listed as:** BIOL 545  
**Notes:** Counts as a technique course.

### **BIO 546 - Genome Analysis**

An introductory course to the field of genomics. This involves the study of genome data and exploration of the organization, dynamics and evolution of genes and genomes. The laboratory component involves analyses of genes, genomic variation/DNA fingerprinting, DNA sequences and molecular evolution.

**Credit Hours:** 3 hrs  
**Prerequisites:** Admission to Master of Science in Biology  
**Cross-listed with:** BIO 446  
**Notes:** Counts as a technique course.  
**Last Updated:** Links 06/2011

### **BIO 547 - Scanning Electron Microscopy**

A lecture-laboratory course that provides the basic theory and practice of scanning electron microscopy. Lectures are coordinated with individualized instruction on laboratory equipment. Students design and conduct an original research project that is presented in both written and oral forms at the end of the semester. Counts as a technique course.

**Credit Hours:** 3 hrs  
**Prerequisites:** department permission  
**Cross-listed with:** BIO 447  
**Previously Listed as:** BIOL 515  
**Last Updated:** Links 06/2011

### **BIO 548 - Bioinformatics**

Bioinformatics is an emerging field that comprises the intersection of biology, mathematics and computer science to address biological and medical research problems. This course is an introduction to bioinformatics, which includes a survey of existing public databases and strategies for applying bioinformatics techniques to a variety of biological research problems. Completion of an introductory biology course is assumed.

**Credit Hours:** 3 hrs  
**Previously Listed as:** BIOL 551  
**Notes:** Counts as a technique course.

### **BIO 555 - Plant Evolution and Classification**

Classification and identification of plants, including methods of collection and preservation of vascular plants. Lectures will introduce processes of evolution that have influenced the diversity and relationships among plant groups.

**Credit Hours:** 3 hrs  
**Prerequisites:** Admission to Master of Science in Biology  
**Cross-listed with:** BIO 455  
**Previously Listed as:** BOTN 550  
**Notes:** Counts as a taxonomic field course.  
**Last Updated:** Links 06/2011

## **BIO 556 - Freshwater Algae**

A survey of the freshwater algal divisions; their morphology, taxonomy, ecology and economic importance. Lectures will emphasize an evolutionary approach. Laboratory work will stress the identification of representative algal taxa. A class field study will be required.

**Credit Hours:** 3 hrs

**Prerequisites:** Admission to Master of Science in Biology

**Cross-listed with:** BIO 456

**Previously Listed as:** BOTN 551

**Notes:** Counts as a taxonomic field course.

**Last Updated:** Links 06/2011

## **BIO 557 - Aquatic Plants**

Analysis of vascular aquatic and wetland plants and habitats. Lectures stress physical and biological habitat features and plant adaptations. Laboratories stress identification of aquatic and wetland species.

**Credit Hours:** 3 hrs

**Prerequisites:** Admission to Master of Science in Biology

**Cross-listed with:** BIO 457

**Previously Listed as:** BOTN 552

**Notes:** Counts as a taxonomic field course.

**Last Updated:** Links 06/2011

## **BIO 558 - Trees and Shrubs**

A taxonomic field course on the biology, classification, and identification of native trees and shrubs in winter and summer conditions.

**Credit Hours:** 3 hrs

**Prerequisites:** Admission to Master of Science in Biology

**Cross-listed with:** BIO 458

**Previously Listed as:** BOTN 554

**Notes:** Counts as a taxonomic field course.

**Last Updated:** Links 06/2011

## **BIO 570 - Biological Aspects of Aging**

A survey of aging changes at the cellular, tissue and organismal level in plants and animals from protozoa to human. The major theories of aging will be considered. A course in chemistry is recommended. Not open to students with credit in BIO 259.

**Credit Hours:** 2 hrs

**Prerequisites:** one college level course in biology at the 100- or 200-level

**Previously Listed as:** BIOL 511

**Last Updated:** Links 08/2011

## **BIO 572 - Parasitology**

A survey of animal parasites that affect other animals including the human.



**Credit Hours:** 3 hrs  
**Cross-listed with:** BIO 472  
**Last Updated:** Links 06/2011

## **BIO 576 - Mammalian Histology**

Vertebrate tissue structure and function are examined in a lecture, discussion, laboratory course. An original term paper is required.

**Credit Hours:** 3 hrs  
**Prerequisites:** admission to master's of science in biology  
**Cross-listed with:** BIO 476  
**Previously Listed as:** ZOOL 536  
**Last Updated:** Links 06/2011

## **BIO 580 - Natural History of Invertebrates**

A field course in the recognition, collection, identification and preservation of common invertebrates of Michigan, exclusive of the insects; natural history, ecology and economic importance. Counts as a taxonomic field course.

**Credit Hours:** 3 hrs  
**Prerequisites:** admission to master of science in biology  
**Cross-listed with:** BIO 480  
**Previously Listed as:** ZOOL 570  
**Last Updated:** Links 06/2011

## **BIO 581 - Natural History of Vertebrates**

Vertebrates, their adaptations and natural history; the taxonomic classification, identification and distribution of local and other forms. Fieldwork, sometimes under adverse weather conditions and at night; accurate original data on local species. Counts as a taxonomic field course.

**Credit Hours:** 3 hrs  
**Prerequisites:** admission to master of science in biology  
**Cross-listed with:** BIO 481  
**Previously Listed as:** ZOOL 571  
**Last Updated:** Links 06/2011

## **BIO 582 - Ichthyology**

A study of some aspects of the biology, classification, distribution, and evolution of fishes. Attention is given to the morphology, physiology, behavior, natural history and ecology of fishes through work in lecture, laboratory and in the field. Specific experience in the identification of the freshwater fishes of the Great Lakes region is provided in addition to a general survey of some marine fish families. Counts as a taxonomic field course.

**Credit Hours:** 3 hrs  
**Prerequisites:** admission to master of science in biology  
**Cross-listed with:** BIO 482  
**Previously Listed as:** ZOOL 572  
**Last Updated:** Links 06/2011

## **BIO 583 - Mammalogy**

Some aspects of the biology of mammals; origin and evolution, anatomy, classification, adaptations and zoogeography. Natural history and ecology are studied in the field, including behavior and population dynamics. A collection of five or more museum study specimens of different species is required of each student. Counts as a taxonomic field course.

**Credit Hours:** 3 hrs

**Prerequisites:** admission to master of science in biology

**Cross-listed with:** BIO 483

**Previously Listed as:** ZOOL 586

**Last Updated:** Links 06/2011

## **BIO 584 - Herpetology**

Taxonomy, distribution, life histories, behavior and ecology of amphibians and reptiles with an emphasis on local species.

**Credit Hours:** 3 hrs

**Prerequisites:** admission to master of science in biology

**Cross-listed with:** BIO 484

**Previously Listed as:** ZOOL 574

**Last Updated:** Description Change 10/2012; Links 06/2011

## **BIO 585 - Ornithology**

Field identification and census methods of summer and fall bird populations, behavior and ecology. A survey in the laboratory of major North American bird families. A student field project is required. Counts as taxonomic field course.

**Credit Hours:** 3 hrs

**Prerequisites:** admission to master of science in biology

**Cross-listed with:** BIO 485

**Previously Listed as:** ZOOL 575

**Last Updated:** Links 06/2011

## **BIO 586 - Entomology**

A survey of the world of insects, their structure, function, behavior and ecology; identification and classification of local insects. A field project is required. Counts as a taxonomic field course.

**Credit Hours:** 3 hrs

**Prerequisites:** admission to master of science in biology

**Cross-listed with:** BIO 486

**Previously Listed as:** ZOOL 585

**Last Updated:** Links 06/2011

## **BIO 587 - Cooperative Education in Biology**

Four to six months of full-time employment at an industrial firm or laboratory specially chosen for imparting a practical educational experience in biology or technology. The program consists of work experience alternating with full-time attendance at the University. Admittance to program by application only.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission  
**Previously Listed as:** BIOL 587  
**Terms Offered:** Offered on a credit/no-credit basis.

### **BIO 588 - Biology of Arachnids**

Lecture, lab and field course addressing principles of arachnid biology. Course covers morphology, physiology, behavior, natural history and ecology. Identification and classification of major arachnid families supported by collections and observations of organisms from southeastern Michigan.

**Credit Hours:** 3 hrs  
**Class Restrictions:** Graduate students only  
**Major Restrictions:** Biology program

### **BIO 590 - Special Topics**

An experimental course for subject matter not provided in other department offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr  
**Prerequisites:** department permission  
**Previously Listed as:** BIOL 590

### **BIO 591 - Special Topics**

An experimental course for subject matter not provided in other department offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs  
**Prerequisites:** department permission  
**Previously Listed as:** BIOL 591

### **BIO 592 - Special Topics**

An experimental course for subject matter not provided in other department offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs  
**Prerequisites:** department permission  
**Previously Listed as:** BIOL 592

### **BIO 597 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr  
**Prerequisites:** department permission  
**Previously Listed as:** BIOL 597

## **BIO 598 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Previously Listed as:** BIOL 598

## **BIO 599 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Previously Listed as:** BIOL 599

## **BIO 679 - Special Topics**

An experimental course for subject matter not provided in other department offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Previously Listed as:** BIOL 679

## **BIO 680 - Special Topics**

An experimental course for subject matter not provided in other department offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Previously Listed as:** BIOL 680

## **BIO 681 - Special Topics**

An experimental course for subject matter not provided in other department offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Previously Listed as:** BIOL 681

## **BIO 686 - Practicum in Biology**

Practical experience in a particular field study, with each student responsible for the experimental design and the collection, analysis and interpretation of field data for a specific area within a broader problem under group investigation.

**Credit Hours:** 1 hr  
**Prerequisites:** department permission  
**Previously Listed as:** BIOL 686

### **BIO 687 - Practicum in Biology**

Practical experience in a particular field study, with each student responsible for the experimental design and the collection, analysis and interpretation of field data for a specific area within a broader problem under group investigation.

**Credit Hours:** 2 hrs  
**Prerequisites:** department permission

### **BIO 688 - Practicum in Biology**

Practical experience in a particular field study, with each student responsible for the experimental design and the collection, analysis and interpretation of field data for a specific area within a broader problem under group investigation.

**Credit Hours:** 3 hrs  
**Prerequisites:** department permission

### **BIO 690 - Thesis**

Intensive research into a biological problem, under the guidance and supervision of a graduate faculty member in the Department of Biology, and the preparation of a thesis consistent in substance and form with the standards of the discipline.

**Credit Hours:** 1 hr  
**Prerequisites:** department permission  
**Previously Listed as:** BIOL 690  
**Terms Offered:** Offered on a credit/no-credit basis.

### **BIO 691 - Thesis**

Intensive research into a biological problem, under the guidance and supervision of a graduate faculty member in the Department of Biology, and the preparation of a thesis consistent in substance and form with the standards of the discipline.

**Credit Hours:** 2 hrs  
**Prerequisites:** department permission  
**Previously Listed as:** BIOL 691  
**Terms Offered:** Offered on a credit/no-credit basis.

### **BIO 692 - Thesis**

Intensive research into a biological problem, under the guidance and supervision of a graduate faculty member in the Department of Biology, and the preparation of a thesis consistent in substance and form with the standards of the discipline.

**Credit Hours:** 3 hrs  
**Prerequisites:** department permission  
**Previously Listed as:** BIOL 692  
**Terms Offered:** Offered on a credit/no-credit basis.

### **BIO 697 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Previously Listed as:** BIOL 697

### **BIO 698 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Previously Listed as:** BIOL 698

### **BIO 699 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Previously Listed as:** BIOL 699

## **Biology Teaching**

### **BIOT 403 - Methods for Teaching Secondary Biology**

A lecture-laboratory course providing knowledge, training and practice in the presentation of biological principles, analysis of texts, selection of course content, effective classroom methods and preparation of classroom materials used in the teaching of biology.

**Credit Hours:** 3 hrs

**Prerequisites:** BIO 120, CURR 305 and EDPS 340

**Major Restrictions:** Admission to the Initial Teacher Preparation Program

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Previously Listed as:** BIOL 403

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

### **BIOT 500 - Survey of the Plant Kingdom**

The major types of plants from algae to seed plants; emphasis on development of structure. Not open to students who have credit in BIO 205.

**Credit Hours:** 2 hrs

**Previously Listed as:** BOTN 500

**Last Updated:** Course Description and Credit Hour Change 02/2012, effective Summer 2012

### **BIOT 501 - Survey of the Animal Kingdom**

A survey of the major animal groups from protozoans to mammals. Structure function; the basis for classification and the evolutionary relationships of the several groups. This course is intended for inservice teachers.

**Credit Hours:** 2 hrs

**Previously Listed as:** ZOOL 501

**Notes:** This course is not open to students who hold credit in BIO140.

### **BIOT 502 - Animal Behavior**

This course examines the scientific study of animal behaviors. It covers how animals use behavior to meet the major challenges of life and how scientists test hypotheses and evaluate evidence regarding animal behavior. Secondly, this course examines how scientists communicate with each other and the public.

**Credit Hours:** 2 hrs

**Previously Listed as:** ZOOL 502

### **BIOT 503 - Plants and Nature**

Plants in their natural environment; identification and classification of local flowering plants, use of hand-lens and plant manuals, and methods of collection and preservation. Major plant groups and their climatic and geographic significance. This course is intended for inservice teachers.

**Credit Hours:** 2 hrs

**Previously Listed as:** BOTN 503

### **BIOT 504 - Plant Products in Industry**

The various ways in which plants and plant products are utilized in modern industry; plants and the source of technical raw materials; the dependence of man upon the plant kingdom. This course is intended for in service teachers. Not open to students who have credit in BOTN 215.

**Credit Hours:** 2 hrs

**Cross-listed with:** BIO 215

**Previously Listed as:** BOTN 530

**Last Updated:** Links 06/2011

### **BIOT 505 - Science in the Elementary School**

A survey of subject matter and process skills utilizing current science texts and courses of study; readings in current literature; the construction and use of science materials; supply and equipment needs for elementary science. Not open to students who hold credit in ESCI 302 or BIOT 303.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Previously Listed as:** ESCI 505

**Last Updated:** Links 06/2011

### **BIOT 506 - Methods for Teaching Secondary Biology**

A lecture-laboratory course providing knowledge, training and practice in the presentation of biological principles, analysis of texts, selection of course content, effective classroom methods and preparation of classroom materials used in the teaching of biology.

**Credit Hours:** 3 hrs  
**Prerequisites:** PHY 520  
**Corequisites:** CURR 505 and EDPS 627  
**Major Restrictions:** MAT Concentration in Biology students only  
**Equivalent Courses:** BIOT 403  
**Repeatable:** No  
**Last Updated:** New Course 01/2012, effective Winter 2012

### **BIOT 508 - Evolution: Fact and Theory**

Evidence bearing on the origin and evolution of life and the processes involved are critically examined in this lecture and discussion course. Original term paper on an aspect of recent advances in evolutionary theory required.

**Credit Hours:** 2 hrs  
**Prerequisites:** department permission  
**Previously Listed as:** BIOL 508

### **BIOT 530 - Understanding Our Environment**

Inquiry-based outdoor investigations, field trips to unique Michigan ecosystems and survey of instructional and technological resources will help educators use outdoor and indoor science and environmental education activities with young people and adults. Emphasis will be placed on how course materials and resources align with national and state standards. Note: this course will not count towards the biology major, minor or the master's degree in biology. This course is intended for in-service teachers.

**Credit Hours:** 3 hrs  
**Class Restrictions:** Senior standing  
**Previously Listed as:** BIOL 530

### **BIOT 531 - Field Studies for Life Science Educators**

This lecture, laboratory and field course examines diversity, habitat and classification of common plants and animals found in Michigan. Emphasis will be placed on endangered and nuisance species in relation to human impact and conservation. Best practices for K-12 classroom instruction will be covered including inquiry and constructivist learning. Note: this course will not count towards the biology major, minor or the master's degree in biology. This course is intended for in-service teachers.

**Credit Hours:** 4 hrs  
**Class Restrictions:** Senior standing  
**Previously Listed as:** BIOL 531

### **BIOT 590 - Special Topics**

An experimental course for subject matter not provided in other department offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr  
**Prerequisites:** department permission

### **BIOT 591 - Special Topics**



An experimental course for subject matter not provided in other department offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **BIOT 592 - Special Topics**

An experimental course for subject matter not provided in other department offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **BIOT 679 - Special Topics**

An experimental course for subject matter not provided in other department offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **BIOT 680 - Special Topics**

An experimental course for subject matter not provided in other department offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **BIOT 681 - Special Topics**

An experimental course for subject matter not provided in other department offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **BIOT 690 - Thesis**

Intensive research into a biological problem, under the guidance and supervision of a graduate faculty member in the Department of Biology, and the preparation of a thesis consistent in substance and form with the standards of the discipline.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

## **BIOT 691 - Thesis**

Intensive research into a biological problem, under the guidance and supervision of a graduate faculty member in the Department of Biology, and the preparation of a thesis consistent in substance and form with the standards of the discipline.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

## **BIOT 692 - Thesis**

Intensive research into a biological problem, under the guidance and supervision of a graduate faculty member in the Department of Biology, and the preparation of a thesis consistent in substance and form with the standards of the discipline.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

## **BIOT 693 - Seminar in Science Education**

Presentation of special reports and group discussions on selected topics. *Offered on a credit/no-credit basis. Counts as a technique course.*

**Credit Hours:** 1 hr

**Prerequisites:** 20 hours in biology, biology teaching and/or elementary science at the 300-, 400-, 500- or 600-level.

**Previously Listed as:** ESCI 693

## **BIOT 694 - Seminar in Science Education**

Presentation of special reports and group discussions on selected topics. *Offered on a credit/no-credit basis. Counts as a technique course.*

**Credit Hours:** 2 hrs

**Prerequisites:** 20 hours in biology, biology teaching and/or elementary science at the 300-, 400-, 500- or 600-level.

**Previously Listed as:** ESCI 694

# Chemistry Programs and Courses

## Chemistry

### Master's

#### Master of Science in Chemistry (CHM)

Adviser: Tim Brewer, Ph.D.  
225 Mark Jefferson  
734.487.9613  
tbrewer@emich.edu

This program provides advanced study in chemistry for individuals who are currently employed in chemistry-related industrial or governmental positions, or desire professional training before entering the job market or a doctoral program.

#### Admission Requirements

1. An undergraduate degree with a major or a strong minor (approximately 25 hours) in chemistry.
2. Advanced undergraduate courses corresponding to CHEM 371/373, CHEM 361 or CHEM 461 and CHEM 481, along with either CHEM 432 or CHEM 451/452. The graduate coordinator may use examinations to ascertain competency and the need for remedial work in any deficient areas. A maximum of 4 credit hours of graduate credit will be allowed for courses taken to correct deficiencies.
3. One year of calculus-based college physics (PHY 223, PHY 224) and calculus.
4. Satisfaction of the Graduate School's admission requirements.
5. Submission of Graduate Record Examinations (GRE) general test scores.
6. GPA of at least 2.75, but 3.00 preferred.

#### Degree Requirements

Students in this program follow either the Thesis Plan or the Non-Thesis Plan. Each includes a research seminar and a research experience, a course in chemical literature and four courses to satisfy distribution requirements, and additional courses to complete the stated minimum number of hours.

#### Thesis Plan

Thesis plan students must submit a written thesis based on original research; an oral presentation of the research to the Department of Chemistry is required. A maximum of 10 hours of CHEM 697/698/699 - Research in Chemistry may be used toward thesis.

#### Non-Thesis Plan

This plan requires satisfactory completion of a minimum of 34 hours of graduate credit. It is intended for the part-time student whose professional experience constitutes a reasonable substitute (as determined by the graduate committee) for the laboratory research of the thesis plan.

#### Course Requirements:

The M.S. in chemistry requires the completion of 30 to 34 hours of course work to be distributed among required courses, distribution requirement courses, elective courses, a research requirement and cognate courses as follows:

## Required Courses: 2 hours

- CHEM 610 - Information Retrieval in Chemistry 1 hr
- CHEM 693 - Seminar in Chemistry 1 hr

## Distribution Requirement Courses: 8-12 hours

*Select at least one course from four of the following six areas of chemistry (courses are listed below). A grade point average of B (3.0) or better in all distribution courses is required.*

### I. Analytical

- CHEM 581 - Advanced Analytical Chemistry 3 hrs

### II. Inorganic

- CHEM 632 - Structural Inorganic Chemistry 3 hrs

### III. Organic

- CHEM 571 - Advanced Organic Chemistry 3 hrs
- CHEM 574 - Advanced Organic Chemistry Topics 2 hrs

### IV. Physical

- CHEM 561 - Quantum Chemistry and Spectroscopy 2 hrs
- CHEM 562 - Statistical Mechanics and Chemical Kinetics 2 hrs

### V. Biochemistry:

- CHEM 554 - Protein Structure and Function 2 hrs
- CHEM 555 - Neurochemistry 3 hrs
- CHEM 655 - Advanced Biochemistry Topics 2 hrs

### VI. Polymer

- CHEM 665 - Physical Chemistry of Polymers 2 hrs
- CHEM 675 - Advanced Organic Polymer Chemistry 3 hrs

## Elective Courses: 6-20 hours

*Six to 20 hours selected from among graduate courses at the 500- or 600-level, or from approved 400-level CHEM courses. Courses are selected in consultation with the graduate coordinator and student's thesis research director.*

## Research Requirement: 6-10 hours

### Thesis Plan:

*An approved written thesis and an oral presentation of the research to the Department of Chemistry is required.*

- CHEM 697 - Research in Chemistry 1 hr
- CHEM 698 - Research in Chemistry 2 hrs
- CHEM 699 - Research in Chemistry 3 hrs

### Non-Thesis Plan

Students must complete a satisfactory written report, in thesis style, on a project carried out in the student's job in the off-campus setting. Industrial research experience must be judged by the department head and the graduate committee to be a reasonable substitute for a typical academic research project. Students will also present to the chemistry faculty a seminar that meets the standards for the research seminar set out in the department's Graduate Student Handbook.

## Cognate Courses: 0-6 hours

*Zero to six hours selected from courses outside the Department of Chemistry in consultation with the graduate coordinator. Cognates chosen from 400-level courses will be included in the nine-hour limit.*

## Program Total: 30-34 hours

## Undergraduate Courses for Graduate Credit: Chemistry

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate course for graduate credit, you must submit a request form from the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- CHEM 411 - Toxicology I 2 hrs
- CHEM 412 - Toxicology II 3 hrs
- CHEM 413 - Toxicology Laboratory 2 hrs
- CHEM 415 - Environmental Chemistry 3 hrs
- CHEM 432 - Advanced Inorganic Chemistry 3 hrs
- CHEM 433 - Inorganic-Organic Synthesis Laboratory 2 hrs
- CHEM 451 - Biochemistry I 3 hrs
- CHEM 452 - Biochemistry II 3 hrs
- CHEM 453 - Biochemistry Laboratory 2 hrs
- CHEM 465 - Quantum and Statistical Mechanics 3 hrs
- CHEM 475 - Introduction to Polymer Chemistry 3 hrs
- CHEM 481 - Instrumental Analysis 4 hrs

- CHEM 485 - Introduction to Radiotracer Techniques 2 hrs

## Chemistry

### CHEM 411 - Toxicology I

An introduction to the principles and methods of toxicology. Special cases of toxic response including carcinogenesis, teratogenesis and mutagenesis, and the effects of radiation are discussed.

**Credit Hours:** 2 hrs

**Lecture/Lab Hours:** Lecture: two hours per week.

**Prerequisites:** CHEM 270 or CHEM 372

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

### CHEM 412 - Toxicology II

Discussion of the metabolism of toxicants and their effect on specific organ systems; specific classes of toxicants and legal aspects of toxicology.

**Credit Hours:** 3 hrs

**Lecture/Lab Hours:** Lecture: two hours per week.

**Prerequisites:** CHEM 411; biochemistry recommended

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; 05/2011

### CHEM 413 - Toxicology Laboratory

A lecture and laboratory covering the techniques employed in a toxicology laboratory including methods of calculation, interpretation and presentation of experimental data. The theory and practical aspects of toxicological procedures will be discussed.

**Credit Hours:** 2 hrs

**Lecture/Lab Hours:** Lecture: one hour per week; Laboratory: three hours per week

**Prerequisites:** CHEM 411; CHEM 281 recommended

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 06/2011; 05/2011

### CHEM 415 - Environmental Chemistry

A survey of environmental and energy-related problems and the ways in which chemistry may be applied to them. Important topics include air and water pollution, energy and other resources, solid wastes and recycling, and toxic chemicals.

**Credit Hours:** 3 hrs

**Lecture/Lab Hours:** Lecture: three hours per week.

**Prerequisites:** (CHEM 123 and CHEM 124) or (CHEM 125 and CHEM 126); CHEM 270 or CHEM 372 and CHEM 281 recommended

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

### CHEM 432 - Advanced Inorganic Chemistry

An advanced-level treatment of the newer inorganic chemical developments, with emphasis on theoretical advances in the interpretation of bonding and reactivity of inorganic compounds.

**Credit Hours:** 3 hrs

**Lecture/Lab Hours:** Lecture: three hours per week

**Prerequisites:** CHEM 465 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 06/2011; 05/2011

## **CHEM 433 - Inorganic-Organic Synthesis Laboratory**

Covers advanced preparative and analytical techniques of inorganic and organic chemistry including extensive use of IR, NMR, UV-visible and other instruments.

**Credit Hours:** 2 hrs

**Prerequisites:** CHEM 281 or CHEM 282; and CHEM 373 or CHEM 376

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **CHEM 451 - Biochemistry I**

Chemistry of biologically significant compounds such as proteins, nucleic acids, carbohydrates and lipids. Enzymes are introduced, bioenergetics is discussed and the most central topics of metabolism are outlined. This course is intended as a one-semester survey of biochemistry for health science students and as the first semester of a two-semester sequence for chemistry, biology and toxicology students.

**Credit Hours:** 3 hrs

**Lecture/Lab Hours:** Lecture: three hours per week.

**Prerequisites:** (CHEM 123 and CHEM 124) or (CHEM 125 and CHEM 126); and (CHEM 270 or CHEM 372); and (CHEM 281 or CHEM 282) recommended

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011; Prerequisites 06/2011

## **CHEM 452 - Biochemistry II**

Continues the survey of biochemistry begun in CHEM 451. Membranes and transport, enzyme kinetics, further topics in metabolism, replication, transcription, translation and regulation of cell processes are discussed.

**Credit Hours:** 3 hrs

**Lecture/Lab Hours:** Lecture: three hours per week.

**Prerequisites:** CHEM 451; (C- or better in CHEM 451 is recommended)

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Prerequisites 06/2011; 05/2011

## **CHEM 453 - Biochemistry Laboratory**

Theory and application of preparative and analytical techniques in the investigation of the biochemical and biophysical properties of proteins and nucleic acids. Emphasis is placed on communication of experimental results in the form of scientific manuscripts.

**Credit Hours:** 2 hrs

**Lecture/Lab Hours:** Laboratory: six hours per week.

**Prerequisites:** CHEM 451 or CHEM 351; CHEM 271 or CHEM 373 or CHEM 376; and (CHEM 281 or CHEM 282)

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Courses 07/2011; 05/2011

### **CHEM 465 - Quantum and Statistical Mechanics**

The study of quantum mechanics and its application to atomic structure, molecular bonding and spectroscopy. An introduction to statistical mechanics and modern theories of the rate constant.

**Credit Hours:** 3 hrs

**Lecture/Lab Hours:** Lecture: three hours per week

**Prerequisites:** CHEM 461, CHEM 281 or CHEM 282, MATH 223, PHY 224

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011; Prerequisites 06/2011

### **CHEM 475 - Introduction to Polymer Chemistry**

An emphasis on the organic chemistry involved in the preparation of synthetic high polymers. Topics include: chain-growth vinyl polymers, step-growth polymerization, copolymerization, cationic and anionic polymerization, and complex coordination catalysts.

**Credit Hours:** 3 hrs

**Lecture/Lab Hours:** Lecture: three hours per week.

**Prerequisites:** CHEM 270 or CHEM 372

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

### **CHEM 481 - Instrumental Analysis**

Theory and practice of chemical analysis and measurements and data processing by instrumental methods.

**Credit Hours:** 4 hrs

**Lecture/Lab Hours:** Lecture: two hours per week; Laboratory: six hours per week

**Prerequisites:** CHEM 281 or CHEM 282; and CHEM 463W

**Concurrent Prerequisites:** CHEM 465

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; 05/2011

### **CHEM 485 - Introduction to Radiotracer Techniques**

Measurement of radiation and principles of radiation safety; experiments with emphasis on beta and gamma-ray counting and handling radioactivity.

**Credit Hours:** 2 hrs

**Lecture/Lab Hours:** Lecture: one hour per week; Laboratory: three hours per week

**Prerequisites:** (CHEM 123 and CHEM 124) or (CHEM 125 and CHEM 126); and either CHEM 281, one science laboratory course above the 200-level or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

### **CHEM 510 - Computer Applications in Chemistry**



A course in computer programming. The emphasis is on the application of computer-based numerical methods to the solution of complex chemical problems.

**Credit Hours:** 2 hrs

**Prerequisites:** no prior background in computer programming is necessary

**Class Restrictions:** Senior or Graduate standing in chemistry

## **CHEM 515 - Industrial and Environmental Chemistry**

A three-part course covering selected aspects of industrial organic chemistry, industrial inorganic chemistry and environmental chemistry. Environmental problems most closely associated with the production aspects of industrial chemistry will be discussed.

**Credit Hours:** 3 hrs

**Prerequisites:** one year of organic chemistry; one course in inorganic chemistry; one course in physical chemistry

## **CHEM 520 - Advanced Methodology for Secondary Chemistry Teachers**

A comprehensive methods course for teaching chemistry in secondary schools. Students use modern technology to design and deliver instructional material and demonstrations for classrooms and laboratories. This course will examine pedagogy, inquiry, safety, the nature of science, classroom management, computer data acquisition, and other methodologies.

**Credit Hours:** 4 hrs

**Lecture/Lab Hours:** 3 hours lecture/3 hours lab per week

**Prerequisites:** CHEM 121, CHEM 122, CHEM 123, CHEM 124; and (CHEM 281 or CHEM 282); and either (CHEM 270 and CHEM 271) or (CHEM 371, CHEM 372 and CHEM 373); and department permission

**Repeatable:** No

**Last Updated:** New Course 01/2012, effective Winter 2012

## **CHEM 525 - Modern Chemistry for Educators I**

The pedagogy, content and practice of teaching first semester high school chemistry at the conceptual, college prep, and AP levels in both lecture and laboratory are explored. Students teach in classroom and laboratory settings using modern technology. The history of chemistry and nature of science are addressed.

**Credit Hours:** 3 hrs

**Lecture/Lab Hours:** 2 hours lecture/3 hours lab per week

**Prerequisites:** CHEM 121, CHEM 122, CHEM 123, CHEM 124; and (CHEM 281 or CHEM 282); and either (CHEM 270 and CHEM 271) or (CHEM 371, CHEM 372 and CHEM 373); and department permission

**Repeatable:** No

**Last Updated:** New Course 01/2012, effective Winter 2012

## **CHEM 526 - Modern Chemistry for Educators II**

The pedagogy, content and practice of teaching second semester high school chemistry at the conceptual, college prep, and AP levels in both lecture and laboratory are explored. Students teach in classroom and laboratory settings using modern technology. The history of chemistry and nature of science are addressed.

**Credit Hours:** 3 hrs

**Lecture/Lab Hours:** 2 hours lecture/3 hours lab per week

**Prerequisites:** CHEM 121, CHEM 122, CHEM 123, CHEM 124; and (CHEM 281 or CHEM 282); and either (CHEM 270 and CHEM 271) or (CHEM 371, CHEM 372 and CHEM 373); and department permission; and CHEM 525

**Repeatable:** No

**Last Updated:** New Course 01/2012, effective Winter 2012

## **CHEM 551 - Macromolecular Biochemistry**

This course considers the fundamental themes of nucleic acid biochemistry including DNA structure, folding, replication and repair mechanisms transcription; translation; gene regulation and techniques in recombinant DNA technology. Emphasis is placed on chemical mechanisms of these processes and targets for drug development. Text and literature articles are utilized.

**Credit Hours:** 2 hrs

**Prerequisites:** CHEM 451 or instructor permission

**Last Updated:** May 2011

## **CHEM 554 - Protein Structure and Function**

The description of chemical and molecular biological approaches to investigating protein structure, and methods to analyze protein function. Rapid and steady-rate kinetics, recombinant DNA technology and expression systems, metabolic and protein assay development and relevant computer applications will be highlighted.

**Credit Hours:** 2 hrs

**Prerequisites:** CHEM 451 or equivalent or instructor permission

**Last Updated:** May 2011

## **CHEM 555 - Neurochemistry**

Discussion of the biochemistry of the nervous system covering the synthesis, distribution, mechanism of function and degradation of compounds involved in neural function (including neurotransmitters, neurohormones, brain sphingolipids, steroids and prostaglandins). Mental diseases with a known biochemical basis and the rationale for drug therapy are described.

**Credit Hours:** 3 hrs

**Prerequisites:** CHEM 452 or equivalent

**Course Revisions:** This course will have a prerequisite change from "CHEM 452 or equivalent" to "CHEM 351 or CHEM 451," effective Winter 2013.

**Last Updated:** Prerequisite Change 05/2012, effective Winter 2013

## **CHEM 556 - Cell Signaling and Disease**

Thorough understanding of how the human body works presents a great challenge in science today. This course addresses cell signaling cascades and how their perturbation can result in certain diseases. Topics include cell signaling in memory, vision, cancer, the cardiovascular system, aging, neurodegenerative disorders, obesity, sleep, and psychiatric disorders. The course addresses the most current advances in the field highlighting the underlying biochemical processes.

**Credit Hours:** 3 hrs

**Prerequisites:** CHEM 351 or CHEM 451

**Last Updated:** New Course 04/2012, effective Fall 2012

## **CHEM 557 - Medicinal Chemistry and Drug Design**

This course will cover principles of drug discovery (receptors and drug design) and various classes of pharmaceutical agents. Topics typically include: drugs affecting neurotransmission; anesthetics and opioid analgesics; psychotherapeutic (antipsychotic

and antianxiety) drugs; renal, blood pressure and cardiovascular agents; steroids; antimicrobial and antiviral drugs; and cancer chemotherapy. Emphasis will be placed on organic structure-biochemical activity relationships (correlation of functional groups to pharmacological activity).

**Credit Hours:** 3 hrs

**Prerequisites:** CHEM 351 or CHEM 451

**Repeatable:** No

**Last Updated:** New Course 04/2012, effective Fall 2012

## **CHEM 561 - Quantum Chemistry and Spectroscopy**

A study of atomic and molecular structure and spectroscopy based on quantum chemistry.

**Credit Hours:** 2 hrs

**Prerequisites:** CHEM 465 or equivalent

**Last Updated:** May 2011

## **CHEM 562 - Statistical Mechanics and Chemical Kinetics**

Introduction to the principles of statistical mechanics, the connection between the microscopic world and classical thermodynamics, and modern theories of chemical reaction rates.

**Credit Hours:** 2 hrs

**Prerequisites:** CHEM 465 or equivalent

**Last Updated:** May 2011

## **CHEM 564 - Physical-Chemical Characterization of Polymers**

Physical methods of polymer characterization, including molecular weight determination, size fractionation, thermal analysis, degradation, depolymerization and reaction kinetics. Laboratory: six hours per week.

**Credit Hours:** 2 hrs

**Prerequisites:** CHEM 463 and CHEM 475, or equivalent

**Last Updated:** Links 06/2011

## **CHEM 565 - Nuclear Chemistry**

The course will cover topics such as radioactive decay, decay systematics, nuclear models and nuclear reactions. Applications of radioactivity to chemical problems will be discussed. Techniques of nuclear chemistry, nuclear processes as chemical probes and other such topics will be covered. A discussion of the preparation and properties of transplutonium elements will be included.

**Credit Hours:** 3 hrs

**Prerequisites:** one year of college chemistry; one course in physical chemistry or modern physics

## **CHEM 571 - Advanced Organic Chemistry**

A lecture course devoted to developing a deeper understanding of the structure of organic compounds and the mechanism of organic reactions. The structural aspects of bonding, stereochemistry and conformation will be extended beyond the introductory level prior to considering mechanistic studies on several fundamental reaction types.

**Credit Hours:** 3 hrs

**Prerequisites:** one year of organic chemistry

### **CHEM 572 - Spectrometric Organic Structure Determination**

The use of infrared, ultraviolet, mass and nuclear magnetic resonance spectroscopy in organic structure determination will be discussed. Emphasizes problem-solving and practical applications.

**Credit Hours:** 3 hrs

**Prerequisites:** CHEM 372 or equivalent

**Last Updated:** Links 06/2011

### **CHEM 574 - Advanced Organic Chemistry Topics**

Two or three advanced topics are treated in depth. The topics selected will vary from offering to offering and could include such examples as: stereochemistry and conformational analysis, natural product chemistry, heterocyclic compounds, orbital symmetry rule and applications, and photochemistry.

**Credit Hours:** 2 hrs

**Prerequisites:** CHEM 372 or equivalent

**Last Updated:** Links 06/2011

### **CHEM 581 - Advanced Analytical Chemistry**

Practical applications of modern chemical analysis using instrumental methods, which may include optical, x-ray and nuclear spectroscopy, mass spectrometry and separations.

**Credit Hours:** 3 hrs

**Prerequisites:** CHEM 463W; CHEM 481; and either CHEM 361 or CHEM 461

**Last Updated:** 03/2011; Links 06/2011

### **CHEM 590 - Special Topics**

An in-depth study of a specialized area of chemistry. Not offered on a regular basis. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hrs

**Class Restrictions:** graduate standing

### **CHEM 591 - Special Topics**

An in-depth study of a specialized area of chemistry. Not offered on a regular basis. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Class Restrictions:** Graduate standing

### **CHEM 592 - Special Topics**

An in-depth study of a specialized area of chemistry. Not offered on a regular basis. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Class Restrictions:** Graduate standing

### **CHEM 597 - Independent Study**

Advanced study on an individual basis in areas not covered, or not covered in depth, in formal course work.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **CHEM 598 - Independent Study**

Advanced study on an individual basis in areas not covered, or not covered in depth, in formal course work.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **CHEM 599 - Independent Study**

Advanced study on an individual basis in areas not covered, or not covered in depth, in formal course work.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **CHEM 610 - Information Retrieval in Chemistry**

A course designed primarily to provide M.S. candidates with a proficiency in locating chemical information by independent study. Exercises are relevant to research and involve both manual and computerized information retrieval.

**Credit Hours:** 1 hr

**Class Restrictions:** Graduate standing

### **CHEM 632 - Structural Inorganic Chemistry**

Physical and chemical methods for determining structures of inorganic substances and the relationship between structure and descriptive chemistry will be discussed.

**Credit Hours:** 3 hrs

**Prerequisites:** one year of physical chemistry and one course in advanced inorganic chemistry

### **CHEM 639 - Continuous Enrollment**

Graduate students who are completing research (Master's or Specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **CHEM 655 - Advanced Biochemistry Topics**

Specialized areas of biochemistry are discussed in depth, with an emphasis on recent research developments.

**Credit Hours:** 2 hrs

**Prerequisites:** CHEM 452 or equivalent

**Last Updated:** Links 06/2011

## **CHEM 665 - Physical Chemistry of Polymers**

Thermodynamics and kinetics of step-growth and chain-growth polymerizations, the configuration and conformation of polymers, the properties of polymer solutions and phase equilibria, including crystallinity and molecular weight determination.

**Credit Hours:** 2 hrs

**Prerequisites:** CHEM 465 and CHEM 475, or equivalent

**Last Updated:** Links 06/2011

## **CHEM 675 - Advanced Organic Polymer Chemistry**

The reactions used to form specialty polymers including polyaromatic heterocycles and metal-containing polymeric systems in semiconducting materials; the use of phosphazines and siloxanes and the development of new monomer systems; composites and polymer blends in multiphase systems; polymers and polymeric materials in electronics and medicine.

**Credit Hours:** 3 hrs

**Prerequisites:** CHEM 361, CHEM 372 and CHEM 373, or equivalent

**Last Updated:** Links 06/2011

## **CHEM 679 - Special Topics**

An experimental course for subject matter not provided in other department offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Does not count toward M.S. in chemistry. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **CHEM 680 - Special Topics**

An experimental course for subject matter not provided in other department offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Does not count toward M.S. in chemistry. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **CHEM 681 - Special Topics**

An experimental course for subject matter not provided in other department offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Does not count toward M.S. in chemistry. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **CHEM 693 - Seminar in Chemistry**

Discussion of specific topics in chemistry by graduate students. Emphasis will be placed on the improvement of oral communication techniques for presentation of scientific material.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **CHEM 697 - Research in Chemistry**

The student performs original research under faculty direction. Repeat enrollment is allowed. A written report is required to document progress towards thesis completion. Thesis is submitted after completion of six to 10 hours of research in chemistry.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **CHEM 698 - Research in Chemistry**

The student performs original research under faculty direction. Repeat enrollment is allowed. A written report is required to document progress towards thesis completion. Thesis is submitted after completion of six to 10 hours of research in chemistry.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **CHEM 699 - Research in Chemistry**

The student performs original research under faculty direction. Repeat enrollment is allowed. A written report is required to document progress towards thesis completion. Thesis is submitted after completion of six to 10 hours of research in chemistry.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

# Communication and Theatre Arts Programs and Courses

## Communication, Media and Theatre Arts

### Master's

#### Master of Arts in Arts Administration (THAD)

**Faculty Contact:**

Susan Booth, Professor  
103 Quirk Hall  
734-487-1220 or 734-487-0033  
SBooth1@emich.edu

This program was established in 1985 to prepare students for assuming administrative positions within performing and visual arts organizations and initiate creative entrepreneurial projects in arts and cultural businesses. The program provides students who already have experience in the arts with knowledge and understanding of the arts business, in governance, management, marketing and finance. The program includes study in both the College of Arts and Sciences and the College of Business to equip students with administrative and aesthetic skills that enable them to assume leadership positions as entrepreneurs, planners, advocates, administrators and community organizers. Students develop research skills that enable them to gather, organize and analyzing information and apply the knowledge to problem solving in a wide variety of circumstances. Emphasis is placed on promoting the interrelated nature of the arts in support of interdisciplinary and collaborative programming that recognizes the relationship of the arts with other areas of human endeavor. EMU was a founding member of the Association of Arts Administration Educators and continues to be active in this national organization.

**Websites:**

[www.emich.edu/cta](http://www.emich.edu/cta)

[www.artadministration.org](http://www.artadministration.org)

[www.emich.edu/public/cta/ted](http://www.emich.edu/public/cta/ted)

**Admission Requirements**

Applicants must:

1. Meet the Graduate School admission requirements and be accepted into the program by the department;
2. Have at least a minor or the equivalent in communication, arts or business;
3. Have a minimum overall undergraduate GPA of 2.75 in the last half of undergraduate work; and
4. In the case of international students, have a minimum TOEFL score (see the Admissions web site at [www.emich.edu/admissions](http://www.emich.edu/admissions) for minimum scores).

**Program Requirements**

Students must:



1. Early in their graduate work, prepare an official program of study in consultation with an assigned graduate adviser and file it with the Office of Records and Registration
2. Successfully meet all conditions stipulated upon entry into the program; and
3. Complete, with an overall GPA of at least 3.0, a minimum of 30 hours of approved course work as identified in the official program of study.

### **Curriculum**

Arts administration is a 30-36 credit hour program of study individually designed to complement the educational and professional experience of each student. Each program of study is developed in close consultation with a program adviser to insure multidisciplinary experience and provide a high level of proficiency in four essential areas.

- Arts Administration - Core classes include Arts Management, Law Public Policy and the Arts, Marketing the Arts with additional classwork in Arts Advocacy, Event Planning, Grant and Proposal Writing, Fundraising and Community Cultural Development. Credit for professional experience is awarded through the Co-op education program.
- Business - Classes in the College of Business include Marketing, Organizational Theory and Behavior, Accounting, Not-for-profit Accounting
- Communication and Leadership - Students prepare to assume leadership through classes in negotiation skills and organizational communication
- Scholarly Research - Includes specific classwork and a thesis/terminal project.

The program is designed to serve both the working professional and the traditional full time student with most classes offered in the evenings and on weekends.

Additional information is available at [www.artsadministration.org](http://www.artsadministration.org), the Association of Arts Education Administrators.

## **Course Requirements:**

The M.A. in Arts Administration requires the completion of a minimum of 30 hours. A customized program of study will be designed in consultation with an adviser from required and elective courses as follows:

### **Required Courses: 3-6 hours**

- CTAR 677 - Research Techniques 3 hrs

### **One course from the following:**

- CTAR 690 - Degree Requirement 1 hr
- CTAR 691 - Degree Requirement 2 hrs
- CTAR 692 - Degree Requirement 3 hrs

### **Elective Courses: 25-27 hours**

*Twenty-five to 27 hours selected from within the department in consultation with the graduate adviser.*

## Cognate Courses: 0-9 hours

*Zero to nine hours selected from other areas or departments.*

## Program Total: 30-36 hours

## Undergraduate Courses for Graduate Credit: Communication, Media and Theatre Arts

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

Additional 400-level undergraduate courses also are available to graduate students under special circumstances. On this matter the student should have a clear understanding with the department and the Graduate School before expecting to use such courses toward a master of arts or a master of fine arts in the Department of Communication, Media and Theatre Arts.

### Activity Courses:

- CTAA 466 - Forensics 1 hr
- CTAA 467 - Theatre Practice 1 hr
- CTAA 468 - Interpretation 1 hr
- CTAA 479 - Special Topics 3 hrs

### Communication:

- CTAC 440 - Public Discourse Analysis 3 hrs
- CTAC 460 - Theories of Speech Criticism 3 hrs
- CTAC 475 - Research in Speech Communication 3 hrs
- CTAC 485 - Communication Theory 3 hrs

### Interpretation/Performance Studies:

- CTAO 402 - Voice Development 1 hr
- CTAO 404 - Dynamic Speaking Skills 3 hrs
- CTAO 405 - Voice and Dialects 3 hrs
- CTAO 411 - Advanced Problems in Interpretation 3 hrs
- CTAO 412 - Oral Interpretation of Poetry 3 hrs

### Theatre and Drama:

- CTAR 429 - History and Theory of Development Drama/Theatre 3 hrs
- CTAR 452 - Arts Management 3 hrs
- CTAR 453 - Marketing the Arts 3 hrs

- CTAR 454 - Law, Public Policy and the Arts 3 hrs
- CTAR 462 - Directors on Directing 2 hrs
- CTAR 463 - The American Musical Stage 3 hrs
- CTAR 464 - Style for the Actor 3 hrs

## Telecommunication and Film:

- CTAT 431 - Advanced Radio Production and Direction 3 hrs
- CTAT 432 - Advanced Television Production and Direction 3 hrs
- CTAT 445 - Film Theory and Criticism 3 hrs
- CTAT 446 - Contemporary Problems in Electronic Media 3 hrs
- CTAT 447 - Radio-Television Station Management 3 hrs

## Master of Arts in Communication (COMM)

Adviser: Dennis Patrick, Ph.D.  
 123 Quirk Hall  
 734.487.4199  
 dpatrick1@emich.edu

This program, for students who have completed undergraduate degrees with majors or minors in communication or speech, prepares them for careers demanding sophisticated knowledge of human communication or for doctoral graduate work. Interpersonal, small-group, organizational, intercultural and speech communication are stressed. Students are encouraged to take six hours of cognate courses as part of the required program.

### Admission Requirements

Applicants must:

1. Meet the admission requirements for the Graduate School and be accepted into the program by the department;
2. Have at least a minor or the equivalent in communication or speech;
3. Have a minimum overall undergraduate GPA of 2.7 (exceptions on recommendation of area faculty); and
4. In the case of international students, have a minimum TOEFL score (see the Admissions web site at [www.emich.edu/admissions](http://www.emich.edu/admissions) for minimum scores).

### Program Requirements

Students must:

1. Early in their graduate work, prepare an official program of study in consultation with an assigned graduate adviser and file it with the Office of Records and Registration;
2. Successfully meet all conditions stipulated upon entry into the program; and
3. Complete, with an overall GPA of at least 3.0, a minimum of 30 hours of approved course work as identified in the official program of study.

## Course Requirements:

The M.A. in Communication requires the completion of 30 hours of course work distributed among required courses, elective courses and cognate courses as follows:

## Required Courses: 6-8 hours

- CTAC 600 - Communication Inquiry 3 hrs
- CTAC 677 - Communication Research 3 hrs
- CTAC 690 - Degree Requirement 1 hr
- CTAC 691 - Degree Requirement 2 hrs
- CTAC 692 - Degree Requirement 3 hrs

## Elective Courses: 15-24 hours

*Fifteen to 24 hours selected from within the department in consultation with the graduate adviser (minimum of 15 hours of theory courses required).*

## Cognate Courses: 0-6 hours

*Zero to six hours selected from other areas or departments in consultation with the graduate adviser.*

## Program Total: 30 hours

## Concentration in Interpretation/Performance Studies (INPS)

### **Admission Requirements**

Applicants must:

1. Meet the admission requirements for the Graduate School and be accepted into the program by the department;
2. Have at least a minor or the equivalent in communication or theatre arts;
3. Have a minimum overall undergraduate GPA of 2.5 (exceptions on recommendation of area faculty); and
4. In the case of international students, have a minimum TOEFL score (see the Admissions web site at [www.emich.edu/admissions](http://www.emich.edu/admissions) for minimum scores).

### **Program Requirements**

Students must:

1. Early in their graduate work, prepare an official program of study in consultation with an assigned graduate adviser and file it with the Office of Records and Registration;
2. Successfully meet all conditions stipulated upon entry into the program; and
3. Complete, with an overall GPA of at least 3.0, a minimum of 30 hours of approved course work as identified in the official program of study.

## Course Requirements

The M.A. in Communication or Theatre Arts requires the completion of 30 hours of course work distributed among required courses, elective courses and cognate courses as follows:

## Required Courses: 3-5 hours

- CTAC 677 - Communication Research 3 hrs
- CTAC 690 - Degree Requirement 1 hr
- CTAC 691 - Degree Requirement 2 hrs
- CTAC 692 - Degree Requirement 3 hrs

## Elective Courses: 19-27 hours

*Nineteen to 27 hours selected from within the department in consultation with the graduate adviser (minimum of 15 hours of theory courses required).*

## Cognate Courses: 0-6 hours

*Zero to six hours selected from other areas or departments in consultation with the graduate adviser.*

## Program Total: 30 hours

## Undergraduate Courses for Graduate Credit: Communication, Media and Theatre Arts

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

Additional 400-level undergraduate courses also are available to graduate students under special circumstances. On this matter the student should have a clear understanding with the department and the Graduate School before expecting to use such courses toward a master of arts or a master of fine arts in the Department of Communication, Media and Theatre Arts.

## Activity Courses:

- CTAA 466 - Forensics 1 hr
- CTAA 467 - Theatre Practice 1 hr
- CTAA 468 - Interpretation 1 hr
- CTAA 479 - Special Topics 3 hrs

## Communication:

- CTAC 440 - Public Discourse Analysis 3 hrs
- CTAC 460 - Theories of Speech Criticism 3 hrs
- CTAC 475 - Research in Speech Communication 3 hrs
- CTAC 485 - Communication Theory 3 hrs

## Interpretation/Performance Studies:

- CTAO 402 - Voice Development 1 hr
- CTAO 404 - Dynamic Speaking Skills 3 hrs
- CTAO 405 - Voice and Dialects 3 hrs
- CTAO 411 - Advanced Problems in Interpretation 3 hrs
- CTAO 412 - Oral Interpretation of Poetry 3 hrs

## Theatre and Drama:

- CTAR 429 - History and Theory of Development Drama/Theatre 3 hrs
- CTAR 452 - Arts Management 3 hrs
- CTAR 453 - Marketing the Arts 3 hrs
- CTAR 454 - Law, Public Policy and the Arts 3 hrs
- CTAR 462 - Directors on Directing 2 hrs
- CTAR 463 - The American Musical Stage 3 hrs
- CTAR 464 - Style for the Actor 3 hrs

## Telecommunication and Film:

- CTAT 431 - Advanced Radio Production and Direction 3 hrs
- CTAT 432 - Advanced Television Production and Direction 3 hrs
- CTAT 445 - Film Theory and Criticism 3 hrs
- CTAT 446 - Contemporary Problems in Electronic Media 3 hrs
- CTAT 447 - Radio-Television Station Management 3 hrs

## Master of Arts in Drama/Theatre for the Young (DTY)

Adviser: Christine Tanner, Ph.D.  
 102 Quirk Hall  
 734.487.0032  
 christine.tanner@emich.edu

This program prepares students to enter careers involving work in drama/theatre and communications with and for children, young people and intergenerational groups.

### Admission Requirements

Applicants must:

1. Meet the admission requirements for the Graduate School and be accepted into the program by the department;
2. Have a minimum overall undergraduate GPA of 2.5, or 2.75 in the last half of the undergraduate program;
3. Possess an appropriate foundation in undergraduate studies with relevant extra-academic experiences taken into account for the specific graduate focus chosen; and In the case of international students, have a minimum TOEFL score (see the Admissions web site at [www.emich.edu/admissions](http://www.emich.edu/admissions) for minimum scores).

**Program Requirements** Students must:

1. Early in their graduate work, prepare an official program of study in consultation with an assigned graduate adviser and file it with the Office of Records and Registration;
2. Meet all conditions stipulated upon entry into the program;

3. Complete, with an overall GPA of at least 3.0, a minimum of 30 hours of approved course work as identified in the official program of study.

## Course Requirements:

The Master of Arts in Drama/Theatre for the Young requires the completion of 30 hours of course work to be distributed among required courses and elective courses as follows:

### Required Courses: 3-5 hours

- CTAR 677 - Research Techniques 3 hrs
- CTAR 690 - Degree Requirement 1 hr
- CTAR 691 - Degree Requirement 2 hrs
- CTAR 692 - Degree Requirement 3 hrs

### Elective Courses: 25-27 hours

Twenty-five to twenty-seven hours from within the CMTA department and/or from other departments are to be selected in consultation with the student's graduate adviser.

### Program Total: 30 hours

## Undergraduate Courses for Graduate Credit: Communication, Media and Theatre Arts

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

Additional 400-level undergraduate courses also are available to graduate students under special circumstances. On this matter the student should have a clear understanding with the department and the Graduate School before expecting to use such courses toward a master of arts or a master of fine arts in the Department of Communication, Media and Theatre Arts.

### Activity Courses:

- CTAA 466 - Forensics 1 hr
- CTAA 467 - Theatre Practice 1 hr
- CTAA 468 - Interpretation 1 hr
- CTAA 479 - Special Topics 3 hrs

### Communication:

- CTAC 440 - Public Discourse Analysis 3 hrs
- CTAC 460 - Theories of Speech Criticism 3 hrs
- CTAC 475 - Research in Speech Communication 3 hrs

- CTAC 485 - Communication Theory 3 hrs

### Interpretation/Performance Studies:

- CTAO 402 - Voice Development 1 hr
- CTAO 404 - Dynamic Speaking Skills 3 hrs
- CTAO 405 - Voice and Dialects 3 hrs
- CTAO 411 - Advanced Problems in Interpretation 3 hrs
- CTAO 412 - Oral Interpretation of Poetry 3 hrs

### Theatre and Drama:

- CTAR 429 - History and Theory of Development Drama/Theatre 3 hrs
- CTAR 452 - Arts Management 3 hrs
- CTAR 453 - Marketing the Arts 3 hrs
- CTAR 454 - Law, Public Policy and the Arts 3 hrs
- CTAR 462 - Directors on Directing 2 hrs
- CTAR 463 - The American Musical Stage 3 hrs
- CTAR 464 - Style for the Actor 3 hrs

### Telecommunication and Film:

- CTAT 431 - Advanced Radio Production and Direction 3 hrs
- CTAT 432 - Advanced Television Production and Direction 3 hrs
- CTAT 445 - Film Theory and Criticism 3 hrs
- CTAT 446 - Contemporary Problems in Electronic Media 3 hrs
- CTAT 447 - Radio-Television Station Management 3 hrs

## Master of Arts in Theatre Arts (THAR)

This program prepares students with an undergraduate major or minor in theatre arts for career in all levels of theatre or for further graduate study.

### Admission Requirements

Applicants must:

1. Meet the admission requirements for the Graduate School and be accepted into the program by the department;
2. Have at least a minor or the equivalent in communication, theatre arts, or drama/theatre for the young;
3. Have a minimum overall undergraduate GPA of 2.5, or 2.75 in the last half of undergraduate work; and
4. In the case of international students, have a minimum TOEFL score (see the Admissions web site at [www.emich.edu/admissions](http://www.emich.edu/admissions) for minimum scores).

### Program Requirements



Students must:

1. Early in their graduate work, prepare an official program of study in consultation with an assigned graduate adviser and file it with the Office of Records and Registration;
2. Successfully meet all conditions stipulated upon entry into the program; and
3. Complete, with an overall GPA of at least 3.0, a minimum of 30 hours of approved course work as identified in the official program of study.

## Course Requirements:

The M.A. in theatre arts requires the completion of 30 hours of course work to be distributed among required courses and elective courses as follows:

### Required Courses: 3-5 hours

- CTAR 677 - Research Techniques 3 hrs

### One course from the following:

- CTAR 690 - Degree Requirement 1 hr
- CTAR 691 - Degree Requirement 2 hrs
- CTAR 692 - Degree Requirement 3 hrs

### Elective Courses: 25-27 hours

*Twenty-five to 27 hours selected from within the department in consultation with the graduate adviser.*

### Program Total: 30 hours

## Undergraduate Courses for Graduate Credit: Communication, Media and Theatre Arts

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

Additional 400-level undergraduate courses also are available to graduate students under special circumstances. On this matter the student should have a clear understanding with the department and the Graduate School before expecting to use such courses toward a master of arts or a master of fine arts in the Department of Communication, Media and Theatre Arts.

### Activity Courses:

- CTAA 466 - Forensics 1 hr
- CTAA 467 - Theatre Practice 1 hr

- CTAA 468 - Interpretation 1 hr
- CTAA 479 - Special Topics 3 hrs

### Communication:

- CTAC 440 - Public Discourse Analysis 3 hrs
- CTAC 460 - Theories of Speech Criticism 3 hrs
- CTAC 475 - Research in Speech Communication 3 hrs
- CTAC 485 - Communication Theory 3 hrs

### Interpretation/Performance Studies:

- CTAO 402 - Voice Development 1 hr
- CTAO 404 - Dynamic Speaking Skills 3 hrs
- CTAO 405 - Voice and Dialects 3 hrs
- CTAO 411 - Advanced Problems in Interpretation 3 hrs
- CTAO 412 - Oral Interpretation of Poetry 3 hrs

### Theatre and Drama:

- CTAR 429 - History and Theory of Development Drama/Theatre 3 hrs
- CTAR 452 - Arts Management 3 hrs
- CTAR 453 - Marketing the Arts 3 hrs
- CTAR 454 - Law, Public Policy and the Arts 3 hrs
- CTAR 462 - Directors on Directing 2 hrs
- CTAR 463 - The American Musical Stage 3 hrs
- CTAR 464 - Style for the Actor 3 hrs

### Telecommunication and Film:

- CTAT 431 - Advanced Radio Production and Direction 3 hrs
- CTAT 432 - Advanced Television Production and Direction 3 hrs
- CTAT 445 - Film Theory and Criticism 3 hrs
- CTAT 446 - Contemporary Problems in Electronic Media 3 hrs
- CTAT 447 - Radio-Television Station Management 3 hrs

## **Master of Fine Arts in Applied Drama & Theatre for the Young (ADTY)**

Adviser: Decky Alexander, MFA  
 Rackham 219  
 734.487.6570  
 jalexandel@emich.edu

Adviser: Christine Tanner, Ph.D.  
 102 Quirk Hall

734.487.0032  
christine.tanner@emich.edu

Adviser: Patricia Zimmer, MFA  
714 Pray-Harrold  
734.487.0031  
pzimmer@emich.edu

This terminal degree program prepares qualified students for careers involving:

- Drama/Theatre for developmental, and educational purposes,
- Drama/Theatre for community engagement,
- Theatre with young participants, and
- Theatre for young and intergenerational audiences.

Required core courses are supplemented by elective and cognate courses to achieve a well-rounded knowledge of applied drama and theatre for the young.

#### **Admission Requirements**

Applicants must:

1. Meet the admission requirements for the Graduate School and be accepted into the program by the department;
2. Have a minimum overall undergraduate GPA of 3.0 or higher. Exceptions to this requirement can be made if at least 15 hours of graduate work have already been earned with a GPA of 3.0 or higher;
3. Send samples of previous work (optional); Send to Department
4. two letters of recommendation (required); Send to Admissions
5. A Letter of Intent that answers the following question "What prior academic, personal and professional experiences have led to your interest in pursuing and MFA in Applied Drama and/or Theatre for the Young?"; Send to Department
6. Interview with at least one program faculty member;
7. Possess an appropriate foundation in undergraduate studies with relevant extra-academic experiences taken into account for the specific graduate focus chosen; and
8. In the case of international students, have a minimum TOEFL score (see the Admissions web site at [www.emich.edu/admissions](http://www.emich.edu/admissions) for minimum scores).

#### **Program Requirements**

Students must:

1. Early in their graduate work, prepare an official program of study in consultation with an assigned graduate adviser and file it with the Office of Records and Registration;
2. Meet all conditions stipulated upon entry into the program;
3. Satisfactorily complete a mid-program review after two or three semesters in the program; and
4. Complete a minimum of 60 hours of approved course work beyond the bachelor's degree with an overall GPA of at least 3.0, or a minimum of 30 hours beyond an appropriate master's degree, as identified in the official program of study.

## Course Requirements:

The Master of Fine Arts in Applied Drama and Theatre for the Young requires the completion of 60 hours of course work to be distributed among required courses, required research courses, elective courses and internship/practicum credits as follows:

### Required Courses: 31 hours

- CTAR 501 - Foundations of Dramatic Experience 3 hrs
- CTAR 504 - Performing Youth Literature 3 hrs
- CTAR 515 - Drama/Theatre Facilitation for Artists and Educators 3 hrs
- CTAR 522 - Applied Theatre 3 hrs
- CTAR 529 - Producing Theatre for Young Audiences 3 hrs
- CTAR 535 - Youth Theatre Theory and Practice 3 hrs
- CTAR 565 - Studies in Educational Drama and Theatre 3 hrs
- CTAR 606 - Colloquium in Communication and Theatre Arts 1 hr
- CTAR 627 - The Playwright and the Young Audience 3 hrs
- CTAR 657 - Improvisation 3 hrs
- CTAR 658 - Theatre for Young Audiences 3 hrs

### Required Research and Project Courses: 10 hours

- \* CTAR 601 - Performance Inquiry 3 hrs
- CTAR 677 - Research Techniques 3 hrs
- CTAR 690 - Degree Requirement 1 hr
- CTAR 692 - Degree Requirement 3 hrs

### Required Practicum/Internship: 4 hours

- CTAR 671 - Internship and Practicum 1 hr
- CTAR 673 - Internship and Practicum 1 hr

### Elective Courses: 15 hours

*Fifteen hours from within the CMTA department and/or from other departments are to be selected in consultation with the student's graduate adviser. Suggested electives are as follows:*

- CTAO 540 - Personal Narrative/Oral History in Performance 3 hrs
- CTAO 541 - Performance, Text and Context 3 hrs
- CTAO 542 - Adapting/Directing Narrative Theatre 3 hrs
- CTAO 683 - Workshop 2 hrs
- CTAR 523 - Puppetry: Catalyst in Human Development 3 hrs
- CTAR 592 - Special Topics 3 hrs
- CTAR 684 - Workshop in Communication and Theatre Arts 3 hrs

### Program Total: 60 hours

## Notes:

\* CTAR 601 needs to be taken prior to CTAR 677

## Undergraduate Courses for Graduate Credit: Communication, Media and Theatre Arts

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

Additional 400-level undergraduate courses also are available to graduate students under special circumstances. On this matter the student should have a clear understanding with the department and the Graduate School before expecting to use such courses toward a master of arts or a master of fine arts in the Department of Communication, Media and Theatre Arts.

### Activity Courses:

- CTAA 466 - Forensics 1 hr
- CTAA 467 - Theatre Practice 1 hr
- CTAA 468 - Interpretation 1 hr
- CTAA 479 - Special Topics 3 hrs

### Communication:

- CTAC 440 - Public Discourse Analysis 3 hrs
- CTAC 460 - Theories of Speech Criticism 3 hrs
- CTAC 475 - Research in Speech Communication 3 hrs
- CTAC 485 - Communication Theory 3 hrs

### Interpretation/Performance Studies:

- CTAO 402 - Voice Development 1 hr
- CTAO 404 - Dynamic Speaking Skills 3 hrs
- CTAO 405 - Voice and Dialects 3 hrs
- CTAO 411 - Advanced Problems in Interpretation 3 hrs
- CTAO 412 - Oral Interpretation of Poetry 3 hrs

### Theatre and Drama:

- CTAR 429 - History and Theory of Development Drama/Theatre 3 hrs
- CTAR 452 - Arts Management 3 hrs
- CTAR 453 - Marketing the Arts 3 hrs
- CTAR 454 - Law, Public Policy and the Arts 3 hrs
- CTAR 462 - Directors on Directing 2 hrs

- CTAR 463 - The American Musical Stage 3 hrs
- CTAR 464 - Style for the Actor 3 hrs

## Telecommunication and Film:

- CTAT 431 - Advanced Radio Production and Direction 3 hrs
- CTAT 432 - Advanced Television Production and Direction 3 hrs
- CTAT 445 - Film Theory and Criticism 3 hrs
- CTAT 446 - Contemporary Problems in Electronic Media 3 hrs
- CTAT 447 - Radio-Television Station Management 3 hrs

## Communication

### CTAC 440 - Public Discourse Analysis

The course provides a critical study of public communication focusing on the role of advocates and their messages in an open society.

**Credit Hours:** 3 hrs

**Prerequisites:** CTAC 124

**Class Restrictions:** Junior or Senior standing

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 06/2011

### CTAC 460 - Theories of Speech Criticism

A study of the theoretical and critical works from various eras of western culture.

**Credit Hours:** 3 hrs

**Prerequisites:** CTAC 124

**Class Restrictions:** Junior or Senior standing

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 06/2011

### CTAC 475 - Research in Speech Communication

An examination of methods currently employed in speech communication, as well as a review of the many types of application now being made. Course includes analysis of speech communication behavior.

**Credit Hours:** 3 hrs

**Prerequisites:** CTAC 124

**Class Restrictions:** Junior or Senior standing

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

### CTAC 485 - Communication Theory

Communication Theory offers an analysis and application of classic and current theories in the communication discipline.

**Credit Hours:** 3 hrs

**Prerequisites:** CTAC 124

**Class Restrictions:** Junior or Senior standing

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

### **CTAC 504 - Creativity and Communication**

Develop an understanding of the role communication plays in the creative process; ranging from communication skills necessary to individually generate ideas, work collaboratively with others to develop ideas and persuade organizations to implement ideas.

**Credit Hours:** 2 hrs

### **CTAC 505 - Assertiveness Skills for Professionals**

Assertiveness skills training for business and education professionals. The focus of the course is on the theory and practice of assertive behaviors.

**Credit Hours:** 2 hrs

### **CTAC 506 - Persuasion in the Modern World**

Emphasis is placed on the uses and applications of persuasion in such areas as politics, business, religion and education.

**Credit Hours:** 2 hrs

### **CTAC 507 - Negotiation Skills for Professionals**

Practical applications of negotiation skills for counseling, education and business professions.

**Credit Hours:** 2 hrs

### **CTAC 508 - Small Group Decision-Making**

The theory and practice of discussion, and practice of communication in small-group decision-making.

**Credit Hours:** 2 hrs

### **CTAC 509 - Communication for Leaders**

Theory and applications of communication in leadership roles. Deals with interviews, staff meetings, dyadic communication, communication in organizations and communication barriers, with methods of evaluating and improving interpersonal, group and public communication.

**Credit Hours:** 2 hrs

### **CTAC 510 - Listening Skills for Professionals**

Practical applications of listening skills for counseling, education and business professions.

**Credit Hours:** 2 hrs

### **CTAC 511 - Readings in Interracial/Interethnic Communication**

The development of analytical skills and the study of theoretical perspectives that are applicable in effective interracial/interethnic communication transactions.

**Credit Hours:** 2 hrs

### **CTAC 512 - Conflict Resolution Skills for Professionals**

Practical applications of the communication skills utilized for conflict resolution processes and procedures for professionals.

**Credit Hours:** 2 hrs

### **CTAC 575 - Studies in Listening Behavior**

A study of the practice of listening behavior for interpersonal, small-group and organizational applications.

**Credit Hours:** 3 hrs

**Major Restrictions:** Communication and Theatre Arts Majors only

### **CTAC 576 - Public Address**

Critical study of significant speeches of leading speakers with reference to dominant issues and influences on social and political life.

**Credit Hours:** 3 hrs

### **CTAC 590 - Special Topics**

Students will investigate a particular topic that is approved by the Department of Communication, Media and Theatre Arts. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

### **CTAC 591 - Special Topics**

Students will investigate a particular topic that is approved by the Department of Communication, Media and Theatre Arts. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

### **CTAC 592 - Special Topics**

Students will investigate a particular topic that is approved by the Department of Communication, Media and Theatre Arts. Not more than six hours of special topics may be used on a degree program.



**Credit Hours:** 3 hrs

### **CTAC 597 - Independent Study**

Advanced study on an individual basis in areas not covered, or not covered in depth, in formal course work.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Repeatable:** May be repeated for credit.

### **CTAC 598 - Independent Study**

Advanced study on an individual basis in areas not covered, or not covered in depth, in formal course work.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Repeatable:** May be repeated for credit.

### **CTAC 599 - Independent Study**

Advanced study on an individual basis in areas not covered, or not covered in depth, in formal course work.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Repeatable:** May be repeated for credit.

### **CTAC 600 - Communication Inquiry**

Communication inquiry explores the questions, methods and assumptions employed by scholars in communication. The course focuses on current literature, theoretical frames and basic approaches to research.

**Credit Hours:** 3 hrs

### **CTAC 606 - Colloquium in Communication**

Students will study a special topic area with resource persons from the community as well as members of the Communication, Media and Theatre Arts faculty.

**Credit Hours:** 1 hr

**Terms Offered:** Offered on a credit/no-credit basis.

### **CTAC 607 - Colloquium in Communication**

Students will study a special topic area with resource persons from the community as well as members of the Communication, Media and Theatre Arts faculty.

**Credit Hours:** 2 hrs

**Terms Offered:** Offered on a credit/no-credit basis.

## **CTAC 608 - Colloquium in Communication**

Students will study a special topic area with resource persons from the community as well as members of the Communication, Media and Theatre Arts faculty.

**Credit Hours:** 3 hrs

**Terms Offered:** Offered on a credit/no-credit basis.

## **CTAC 639 - Continuous Enrollment**

Graduate students who are completing research (Master's or Specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment.

Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Course is offered on a credit/no-credit basis

## **CTAC 640 - Theories of Persuasion**

A review of contemporary research and theories of persuasion.

**Credit Hours:** 3 hrs

**Previously Listed as:** CTAC 586

**Last Updated:** Number change 6/2012

## **CTAC 641 - Rhetorical Theory**

A study of selected rhetorical theories from the classical age to the present with a view of discovering the methods and objectives of rhetoricians and relating them to society and its problems.

**Credit Hours:** 3 hrs

**Previously Listed as:** CTAC 582

**Last Updated:** Number change 6/2012

## **CTAC 642 - Communication and Negotiation**

The theory, application and analysis of negotiation strategies used in settings such as public policy, commerce, international relations, and collective bargaining.

**Credit Hours:** 3 hrs

**Previously Listed as:** CTAC 573 - Studies in Communication and Negotiation

**Course Revisions:** This course will have a number change from CTAC 573 to CTAC 642, effective Winter 2013. The revision also includes a title change from "Studies in Communication and Negotiation" to "Communication and Negotiation," and a course description change.

**Last Updated:** Number, Title and Description Change 10/2012, effective Winter 2013

## **CTAC 643 - Communication Activism and Change**

An examination of communication theory and practice in activism and change.

**Credit Hours:** 3 hrs

**Previously Listed as:** CTAC 577 - Communication and Change

**Course Revisions:** This course will have a number change from CTAC 577 to CTAC 643, effective Winter 2013. The revision also includes a title change from "Communication and Change" to "Communication Activism and Change" and a course description change.

**Last Updated:** Title, Number and Description Change 10/2012, effective Winter 2013

## **CTAC 644 - Communication and Conflict Management**

The theory, application and analysis of communication strategies for conflict management in interpersonal, small-group and organizational settings.

**Credit Hours:** 3 hrs

**Previously Listed as:** CTAC 583 - Communication and Conflict Resolution

**Course Revisions:** This course will have a number change from CTAC 583 to CTAC 644, effective Winter 2013. The revision also includes a title change from "Communication and Conflict Resolution" to "Communication and Conflict Management," and a course description change.

**Last Updated:** Number, Title and Description Change 10/2012, effective Winter 2013

## **CTAC 645 - Interpersonal Communication**

This course provides an examination of Theories, research methods, and current developments in the area of interpersonal communication. Theories and developments discussed represent a cross-section of perspectives and assumptions about human communication and are generally recognized as among the most important and highly cited in the field.

**Credit Hours:** 3 hrs

**Previously Listed as:** CTAC 645 Theories of Interpersonal Communication

**Last Updated:** Title and description change 5/2012

## **CTAC 647 - Intercultural Communication**

An examination of communication dynamics in diverse societies and between different cultural communities. The interactions among communication, culture, identity, and perception are explored. The course includes integration of theory with research and practice.

**Credit Hours:** 3 hrs

**Previously Listed as:** CTAC 579 - Studies in Intercultural Communication

**Course Revisions:** This course will have a number change from CTAC 579 to CTAC 647, effective Winter 2013. The revision also includes a title change from "Studies in Intercultural Communication" to "Intercultural Communication," and a course description change.

**Last Updated:** Title, Number and Description Change 10/2012, effective Winter 2013

## **CTAC 648 - Organizational Communication**

This course will examine the development of organizational communication as a field of academic study, including the major questions that have guided and challenged research in this area. Students will survey a broad range of organizational communication theories, methods and related research.

**Credit Hours:** 3 hrs

**Previously Listed as:** CTAC 572 - Studies in Organizational Communication

**Course Revisions:** This course will have a number change from CTAC 572 to CTAC 648, effective Winter 2013. The revision also includes a title change from "Studies in Organizational Communication" to "Organizational Communication," and a course description change.

**Last Updated:** Number, Title and Description Change 10/2012, effective Winter 2013

### **CTAC 649 - Small Group Communication**

This course will examine the development of small group communication as a field of academic study, including the major questions that have guided and challenged research in this area. Students will survey a broad range of small group communication theories, methods and related research.

**Credit Hours:** 3 hrs

**Previously Listed as:** CTAC 584 - Studies in Small Group Communications

**Course Revisions:** This course will have a number change from CTAC 584 to CTAC 649, effective Winter 2013. The revision also includes a title change from "Studies in Small Group Communications" to "Small Group Communication" and a course description change.

**Last Updated:** Number, Title and Description Change 10/2012, effective Winter 2013

### **CTAC 650 - Community Communication**

An exploration of such communication problems as communicator acceptability, social coordination and outcome achievement from the perspective of the community context.

**Credit Hours:** 3 hrs

**Previously Listed as:** CTAC 578

**Last Updated:** Number change 6/2012

### **CTAC 670 - Teaching of College Speech**

Theory and practice of teaching speech at the college level.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Previously Listed as:** CTAC 570

**Terms Offered:** Offered on a credit/no-credit basis.

**Last Updated:** Number change 6/2012

### **CTAC 677 - Communication Research**

An introduction to the nature and value of research in studying human communication, including the philosophies of science and processes of inquiry, formulating research questions/ hypotheses, role of theory in research design, measurement validity and reliability, survey research, experiment design, textual analysis, and qualitative methods.

**Credit Hours:** 3 hrs

**Prerequisites:** CTAC 600

**Previously Listed as:** CTAC 677 Research Techniques

**Last Updated:** Title and description change 5/2012; Links 05/2011

## **CTAC 678 - Communication Theory**

A critical examination of fundamental processes, principles, and practices designed to explain, theoretically, a broad range of communication phenomena.

**Credit Hours:** 3 hrs

**Previously Listed as:** CTAC 587 - Communication Theory

**Course Revisions:** This course will have a number change from CTAC 587 to CTAC 678, effective Winter 2013. The revision also includes a course description change.

**Last Updated:** Number and Description Change 10/2012, effective Winter 2013

## **CTAC 679 - Special Topics**

Students will investigate a particular topic that is approved by the Department of Communication, Media and Theatre Arts. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

## **CTAC 680 - Special Topics**

Students will investigate a particular topic that is approved by the Department of Communication, Media and Theatre Arts. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

## **CTAC 681 - Special Topics**

Students will investigate a particular topic that is approved by the Department of Communication, Media and Theatre Arts. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

## **CTAC 682 - Workshop in Communication**

Students will be provided practical and theoretical study in a selected topic area.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

## **CTAC 683 - Workshop in Communication**

Students will be provided practical and theoretical study in a selected topic area.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

## **CTAC 684 - Workshop in Communication**

Students will be provided practical and theoretical study in a selected topic area.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **CTAC 686 - Cooperative Education in Communication**

One semester of supervised educational work in communication and theatre arts. An evaluation is required at the end of each employment period.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **CTAC 687 - Cooperative Education in Communication**

One semester of supervised educational work in communication and theatre arts. An evaluation is required at the end of each employment period.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **CTAC 688 - Cooperative Education in Communication**

One semester of supervised educational work in communication and theatre arts. An evaluation is required at the end of each employment period.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **CTAC 689 - Internship in Communication and Theatre Arts**

A directed field experience in a department-approved agency or institution under the direction of certified personnel. Arrangements must be approved by adviser prior to registration.

**Credit Hours:** 4 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **CTAC 690 - Degree Requirement**

A research-oriented study conducted under the supervision of a departmental faculty committee.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **CTAC 691 - Degree Requirement**

A research-oriented study conducted under the supervision of a departmental faculty committee.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **CTAC 692 - Degree Requirement**

A research-oriented study conducted under the supervision of a departmental faculty committee.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **CTAC 693 - Seminar in Communication and Theatre Arts**

A research-oriented course for graduate majors in communication and theatre arts.

**Credit Hours:** 1 hr

### **CTAC 694 - Seminar in Communication and Theatre Arts**

A research-oriented course for graduate majors in communication and theatre arts.

**Credit Hours:** 2 hrs

### **CTAC 695 - Seminar in Communication and Theatre Arts**

A research-oriented course for graduate majors in communication and theatre arts.

**Credit Hours:** 3 hrs

### **CTAC 697 - Independent Study**

An intensive study of one or more problems under the direction of a faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **CTAC 698 - Independent Study**

An intensive study of one or more problems under the direction of a faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **CTAC 699 - Independent Study**

An intensive study of one or more problems under the direction of a faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **Communication and Theatre Arts**

### **CTAA 466 - Forensics**

Students who participate in co-instructional activities may, with the approval of the professor in charge and the department head, receive one hour of credit in a single activity during one semester. Students may earn up to four hours credit in one activity or in several. Admission to the activity does not ensure credit.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

### **CTAA 467 - Theatre Practice**

Students will receive one hour of graded credit for active co-curricular participation in one of the following capacities: directing a laboratory series production, stage managing or assistant directing a faculty-directed production, or appropriate equivalent activity or duty reflecting the student's individual expertise or skill set.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Class Restrictions:** Sophomore standing or higher

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Course Description and Prerequisite Change 02/2012, effective Fall 2012; Graduate Credit 07/2011

### **CTAA 468 - Interpretation**

Students who participate in co-instructional activities may, with the approval of the professor in charge and the department head, receive one hour of credit in a single activity during one semester. Students may earn up to four hours credit in such activities and the credit may be earned in one activity or in several activities. Admission to the activity does not ensure credit.

**Credit Hours:** 1 hr

**Prerequisites:** CTAO 210 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Notes:** (Available with a focus on oral interpretation of literature for the young.)

**Last Updated:** Links 06/2011

### **CTAA 479 - Special Topics**

An exploration and study of topics not covered in other departmental offerings. Students may elect more than once, provided different topics are studied.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

### **CTAR 535 - Youth Theatre Theory and Practice**



Youth Theatre focuses on the history, theories, and practice of theatre training and directing for performers, ages 6-18. Scripts for youth performers are analyzed using both artistic and educational lenses. Youth theatres and theatre educational programs are examined to reveal current best practices in the business of youth artistic development and production.

**Credit Hours:** 3 hrs

**Prerequisites:** CTAR 501 or CTAR 657

**Last Updated:** New Course 12/2011, effective Winter 2012

## **Interpretation/Performance Studies**

### **CTAO 402 - Voice Development**

Advanced laboratory exercises and specialized projects: skills, theory and individualized projects.

**Credit Hours:** 1 hr

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

### **CTAO 404 - Dynamic Speaking Skills**

Projects emphasizing intensive application of voice and articulation theory and professional diction standards for actors, broadcasters, educators, forensic speakers, interpreters and other professional communicators. Laboratory hours arranged.

**Credit Hours:** 3 hrs

**Prerequisites:** three courses in the department including either CTAO 102 or CTAO 205; or take CTAO 402 concurrently

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

### **CTAO 405 - Voice and Dialects**

Advanced projects in preparing oral presentations and characterizations in regional and foreign dialects.

**Credit Hours:** 3 hrs

**Prerequisites:** CTAO 205 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

### **CTAO 411 - Advanced Problems in Interpretation**

Analysis, adaptation, and direction of literature, particularly prose fiction, for group performance and theatre. This course explores group performance as dramatic enactment, interrogation, cultural and critical expression as well as experimentation in emergent forms.

**Credit Hours:** 3 hrs

**Prerequisites:** Three hours in CTAO (interpretation/performance studies) or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; 06/2011

### **CTAO 412 - Oral Interpretation of Poetry**

The application of the principles of oral interpretation to the reading of poetry, with emphasis on modern and contemporary poetry.

**Credit Hours:** 3 hrs

**Prerequisites:** CTAO 210

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **CTAO 514 - Studies in Performing Drama**

Theoretical and applied study of both traditional and contemporary methodologies for the performance of drama. Students will gain experience in using performance as a tool to engage and interrogate dramatic texts through the application of various critical lenses. Emphasis will be placed on Modern and Contemporary drama.

**Credit Hours:** 3 hrs

**Class Restrictions:** Graduate standing

## **CTAO 518 - Studies in Performance: Shakespeare I**

Applied analysis of methodologies for performing Shakespeare's texts. Emphasis placed on proficiency in the use of his language and group exploration of his dramas within varied contexts. Students will work individually and collectively with Shakespeare's Histories and Comedies.

**Credit Hours:** 3 hrs

**Class Restrictions:** Graduate standing

## **CTAO 519 - Studies in Performance: Shakespeare II**

Intensive applied analysis of methodologies for performing Shakespeare's tragedies. Emphasis placed on proficiency in the use of his language and group exploration of his dramas within varied contexts. Students will work individually and collectively.

**Credit Hours:** 3 hrs

**Prerequisites:** CTAO 518 or instructor permission

**Last Updated:** Links 05/2011

## **CTAO 536 - Screenplay Writing I**

Introduces students to a process that leads to the successful completion of a screenplay to midpoint; includes film structure, character and dialogue, writing for visual impact, screenplay format.

**Credit Hours:** 3 hrs

## **CTAO 540 - Personal Narrative/Oral History in Performance**

Explores nature and role of these texts in relationship to "other" and social-cultural-political perspectives. Focus on primary sources, including interviewing, transcribing, scripting, staging for solo-group performance and ethics.

**Credit Hours:** 3 hrs

## **CTAO 541 - Performance, Text and Context**

Exploration and experience in locating new texts and performances within the parameters of specific contexts. Emphasis on implications of cultural, sociopolitical and critical perspectives.

**Credit Hours:** 3 hrs

### **CTAO 542 - Adapting/Directing Narrative Theatre**

Analysis, adaptation and direction of narrative, particularly prose fiction, for group performance and theatre; exploration of group performance as dramatic enactment, interrogation, cultural and critical expression; experimentation in emergent forms.

**Credit Hours:** 3 hrs

### **CTAO 590 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

### **CTAO 591 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

### **CTAO 592 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

### **CTAO 597 - Independent Study**

Advanced study on an individual basis in areas not covered, or not covered in depth, in formal course work.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Repeatable:** May be repeated for credit.

### **CTAO 598 - Independent Study**

Advanced study on an individual basis in areas not covered, or not covered in depth, in formal course work.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Repeatable:** May be repeated for credit.

## **CTAO 599 - Independent Study**

Advanced study on an individual basis in areas not covered, or not covered in depth, in formal course work.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Repeatable:** May be repeated for credit.

## **CTAO 679 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

## **CTAO 680 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

## **CTAO 681 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

## **CTAO 682 - Workshop**

Students will be provided practical and theoretical study in a selected topic area.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Major Restrictions:** Graduate student in Communication and Theatre Arts, or a related field

**Terms Offered:** Offered on a credit/no-credit basis.

## **CTAO 683 - Workshop**

Students will be provided practical and theoretical study in a selected topic area.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Major Restrictions:** Graduate student in Communication and Theatre Arts, or a related field

**Terms Offered:** Offered on a credit/no-credit basis.

## **CTAO 684 - Workshop**

Students will be provided practical and theoretical study in a selected topic area.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Major Restrictions:** Graduate student in Communication and Theatre Arts, or a related field

**Terms Offered:** Offered on a credit/no-credit basis.

## **CTAO 685 - Workshop**

Students will be provided practical and theoretical study in a selected topic area.

**Credit Hours:** 4 hrs

**Prerequisites:** department permission

**Major Restrictions:** Graduate student in Communication and Theatre Arts, or a related field

**Terms Offered:** Offered on a credit/no-credit basis.

## **CTAO 695 - Seminar in Interpretation**

A research-oriented course for graduate majors in communication and theatre arts.

**Credit Hours:** 3 hrs

**Repeatable:** May be repeated for credit.

## **CTAO 697 - Independent Study**

An intensive study of one or more problems under the direction of a faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **CTAO 698 - Independent Study**

An intensive study of one or more problems under the direction of a faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **CTAO 699 - Independent Study**

An intensive study of one or more problems under the direction of a faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **Telecommunications and Film**

### **CTAT 431 - Advanced Radio Production and Direction**

A continuation of CTAT 331. Advanced theory and practical experience in production of longer, more complex dramatic and nondramatic material for radio.

**Credit Hours:** 3 hrs

**Prerequisites:** CTAT 130 and CTAT 132

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **CTAT 432 - Advanced Television Production and Direction**

Principles, practices, and techniques of directing and producing dramatic and entertainment-style material for television. Major television formats are discussed and analyzed. Blue screen applications are explored. In-depth practical experience is provided for each student. Laboratory fee.

**Credit Hours:** 3 hrs

**Prerequisites:** CTAT 332 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Description Change 10/2012, effective Winter 2013; Graduate Credit 07/2011; Links 06/2011

## **CTAT 445 - Film Theory and Criticism**

An intensive study of the key theories of film structure, historical development and sociological function. Emphasis upon theories of editing, auteur criticism, genres and textual analysis.

**Credit Hours:** 3 hrs

**Prerequisites:** CTAT 145

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **CTAT 446 - Contemporary Problems in Electronic Media**

A study of contemporary issues and problems affecting the electronic media industries, including cultural influences, programming, new technologies, government regulation and research.

**Credit Hours:** 3 hrs

**Prerequisites:** CTAT 130

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **CTAT 447 - Radio-Television Station Management**

Study of station management in the areas of advertising, programming, personnel, applied research and public relations.

**Credit Hours:** 3 hrs

**Prerequisites:** CTAT 130

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **CTAT 537 - Mass Communications**

A comparative study of the mass media in the United States; their development, function and import. Special emphasis will be placed on the process and effects of mass communication with detailed study of radio and television.

**Credit Hours:** 2 hrs

### **CTAT 590 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

### **CTAT 591 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

### **CTAT 592 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

### **CTAT 595 - Workshop in Broadcasting and Film**

Students will be provided practical and theoretical study in a selected topic area.

**Credit Hours:** 4 hrs

**Terms Offered:** Offered on a credit/no-credit basis.

### **CTAT 597 - Independent Study**

Advanced study on an individual basis in areas not covered, or not covered in depth, in formal course work.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Repeatable:** May be repeated for credit.

### **CTAT 598 - Independent Study**

Advanced study on an individual basis in areas not covered, or not covered in depth, in formal course work.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Repeatable:** May be repeated for credit.

## **CTAT 599 - Independent Study**

Advanced study on an individual basis in areas not covered, or not covered in depth, in formal course work.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Repeatable:** May be repeated for credit.

## **CTAT 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment.

Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **CTAT 679 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

## **CTAT 680 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

## **CTAT 681 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

## **CTAT 686 - Cooperative Education in Telecommunication and Film**

One semester of supervised educational work in communication and theatre arts. An evaluation is required at the end of each employment period.

**Credit Hours:** 1 hr

**Prerequisites:** approval by Cooperative Education Office and the department

**Terms Offered:** Offered on a credit/no-credit basis.



## **CTAT 687 - Cooperative Education in Telecommunication and Film**

One semester of supervised educational work in communication and theatre arts. An evaluation is required at the end of each employment period.

**Credit Hours:** 2 hrs

**Prerequisites:** approval by Cooperative Education Office and the department

**Terms Offered:** Offered on a credit/no-credit basis.

## **CTAT 688 - Cooperative Education in Telecommunication and Film**

One semester of supervised educational work in communication and theatre arts. An evaluation is required at the end of each employment period.

**Credit Hours:** 3 hrs

**Prerequisites:** approval by Cooperative Education Office and the department

**Terms Offered:** Offered on a credit/no-credit basis.

## **CTAT 689 - Internship in Telecommunication and Film**

A directed field experience in a department-approved agency or institution under the direction of certified personnel. Arrangements must be approved by adviser prior to registration.

**Credit Hours:** 4 hrs

**Prerequisites:** department permission

## **CTAT 697 - Independent Study**

An intensive study of one or more problems under the direction of a faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **CTAT 698 - Independent Study**

An intensive study of one or more problems under the direction of a faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **CTAT 699 - Independent Study**

An intensive study of one or more problems under the direction of a faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **Theatre and Educational Drama**

### **CTAR 429 - History and Theory of Development Drama/Theatre**

An introductory study of the history and theory of developmental drama/theatre. Students will become familiar with the current thinking of major practitioners in the field of developmental drama/theatre and consider the current research that involves the development of new or the validation of existing knowledge relating to history and/or theory of developmental drama/theatre.

**Credit Hours:** 3 hrs

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

## **CTAR 452 - Arts Management**

A study of managerial practices of arts organizations and agencies. Emphasis on facility planning, personnel, income sources, promotion, budget development and management.

**Credit Hours:** 3 hrs

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

## **CTAR 453 - Marketing the Arts**

Relates traditional marketing practices to arts administration and provides experience in applying marketing skills to the arts. The study of marketing in the arts and information relating to past market analysis; research and preparation of a specific market plan for an arts organization; presentation of market plan.

**Credit Hours:** 3 hrs

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; 06/2011

## **CTAR 454 - Law, Public Policy and the Arts**

Examination of the impact of public policy and law on arts organizations and the individual artist. Particular attention is paid to tax policy, copyright, arts advocacy and contract law.

**Credit Hours:** 3 hrs

**Prerequisites:** 12 hours in arts management or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

## **CTAR 455 - Dramaturgy**

Theoretical and applied investigation of dramatic texts in historical, literary and performative contexts as it contributes to collaborative production of theatre. Special attention will be given to research strategies, modes of textual analysis, genres of writing for/about theatre and dramaturgy's utility within various aspects of production.

**Credit Hours:** 3 hrs

**Prerequisites:** CTAR 450 or CTAR 451 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 06/2011

## **CTAR 462 - Directors on Directing**

Study of select, noted stage directors past and present.

**Credit Hours:** 2 hrs

**Prerequisites:** CTAR 355 and nine hours in theatre arts or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

### **CTAR 463 - The American Musical Stage**

Character, production, style in the American musical including concept musicals, operetta, golden age, rock, and musical revues. Historical survey and production workshop format.

**Credit Hours:** 3 hrs

**Class Restrictions:** Junior standing or above

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

### **CTAR 464 - Style for the Actor**

This course will address the challenge of matching the actor's personal methods with a wide range of stylistic demands that exist in the theatrical repertory. The student will discover that acting means translating the text into a series of actions and that physical actions take on a particular shape or style in accordance with the given circumstances of the text.

**Credit Hours:** 3 hrs

**Prerequisites:** CTAR 158 or CTAR 157

**Class Restrictions:** Junior, Senior and Graduate students with permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

### **CTAR 471 - Musical Theatre Workshop**

This course is a laboratory-performance course in which students prepare performances of landmark musicals. The course promotes the development of skills necessary for students to effectively address the technical and stylistic demands of musicals as defined by period or genre. Particular attention is given to contemporary performance standards in structured production. The class culminates in a public performance.

**Credit Hours:** 1 hr

**Prerequisites:** CTAR 380

**Notes:** May be repeated for credit.

**Last Updated:** 06/01/2011 Graduate Credit

### **CTAR 501 - Foundations of Dramatic Experience**

A study of dramatic play as intrinsic in human development, this course explores the power of dramatic experience for sharpening imagination, deepening interpersonal relations, fostering creative power, enhancing problem-solving skills, and strengthening individual identity. Integration of such experience for creativity and innovation is emphasized.

**Credit Hours:** 3 hrs

**Last Updated:** Title and Course Description Change 10/2011, effective Winter 2012

### **CTAR 502 - Introduction to Theatre for the Young**

An introductory consideration of the scope, purposes, forms and materials of theatre for the young.

**Credit Hours:** 2 hrs

### **CTAR 504 - Performing Youth Literature**

Emphasis on the study and practice of performing story, poetry, mythology, mythmaking and oral interpretation of adolescent literature for multi-age audiences.

**Credit Hours:** 3 hrs

### **CTAR 513 - Contemporary Issues in Arts Administration**

The influence of Arts and Entertainment in the economy, education, public policy and regional planning is critical to the growth of this discipline. Contemporary Issues allows students to develop a broad array of skills and knowledge in this diverse field.

**Credit Hours:** 3 hrs

**Last Updated:** New Course 06/2011, effective Fall 2011

### **CTAR 515 - Drama/Theatre Facilitation for Artists and Educators**

Expand drama and theatre facilitation skills by studying and evaluating in practice the theories and facilitation styles of influential theatre artists.

**Credit Hours:** 3 hrs

**Prerequisites:** CTAR 501 or CTAR 657

**Last Updated:** New Course 06/2011, effective Fall 2011

### **CTAR 517 - Case Studies in Arts Administration**

This is a course that explores the benchmark events, artists and organizations that form the history of American Arts Management and Administration practices.

**Credit Hours:** 3 hrs

**Last Updated:** New Course 06/2011, effective Fall 2011

### **CTAR 522 - Applied Theatre**

Applied Theatre is a specialized field that uses theatre as a medium for education and social development, and in various non-traditional contexts. This class will address the present state of applied theatre around the world, practice devising original theatre and engage in a community-based theatre project.

**Credit Hours:** 3 hrs

**Last Updated:** Title/Credit Hour/Course Description Change 10/2011, effective Winter 2012

### **CTAR 523 - Puppetry: Catalyst in Human Development**

Consideration of puppetry as a medium for learning and creative expression. Experience in constructing puppets for purposeful work with people. Examination of the applications of puppetry to many disciplines.

**Credit Hours:** 3 hrs

## **CTAR 524 - Developmental Drama/Theatre for Persons with Disabilities**

Study of principles, theories and practices of developmental drama/theatre for persons with disabilities. Applications to educational, recreational and institutional settings will be stressed.

**Credit Hours:** 2 hrs

## **CTAR 525 - Developmental Drama/Theatre in Recreational Settings**

An exploration of the theory and practice of developmental drama/theatre in various recreational settings, such as camps, parks, community centers, Girl Scouts, 4-H Clubs.

**Credit Hours:** 2 hrs

## **CTAR 526 - Fund Raising Topics in the Arts**

This course provides an advanced analysis of what students need to know about securing donations as they prepare for leadership positions in the field of Nonprofit Arts Management. All units studied are informed by the creation of a plausible case statement for giving. Units explored will include: managing the giving process, securing the gift, relationship building, donor research, volunteer involvement, and ethical accountability.

**Credit Hours:** 2 hrs

**Notes:** Academic Service-Learning will be required for this class.

## **CTAR 527 - Grant Proposal Writing and Management in the Arts**

This course provides students with the knowledge and skills necessary to write and effectively manage grants to arts organizations. While working in grant writing teams on the research, preparation and submission process students will design and test management tools in data collection, record keeping, compliance and reporting. This course prepares students to successfully respond to requirements for the increased accountability demanded of arts organizations in requesting and administering grants.

**Credit Hours:** 2 hrs

## **CTAR 528 - Developmental Drama/Theatre in Religion**

Consideration of and experience in uses of developmental drama/theatre for various religious settings and purposes.

**Credit Hours:** 2 hrs

## **CTAR 529 - Producing Theatre for Young Audiences**

Students will gain practical experience in play development, direction, performance and production for young audiences. A theatre production designed for touring will be performed at area schools and other community sites.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission is required

## **CTAR 530 - Dramaturgy**

Advanced theoretical and applied investigation of dramatic texts in historical, literary, and performative contexts as it contributes to collaborative production of theatre. Special attention will be given to research strategies, modes of textual analysis, critical writing for/about theatre, and dramaturgy's utility within various aspects of production.

**Credit Hours:** 3 hrs

### **CTAR 544 - Critical Studies in Theatre History I**

An interrogation of culturally based historical trends in world theatre, from antiquity to 1642. Specific attention paid to theories of performance origins, production practice and style, theatre architecture, and dramatic literature and criticism. Students will examine primary and secondary source documents in an attempt to develop a cogent yet flexible notion of theatre's historical development.

**Credit Hours:** 3 hrs

**Class Restrictions:** Graduate standing

### **CTAR 545 - Critical Studies in Theatre History II**

An interrogation of culturally based historical trends in world theatre, from 1643 to present. Specific attention paid to theories of performance origins, production practice and style, theatre architecture, and dramatic literature and criticism. Students will examine primary and secondary source documents in an attempt to develop a cogent yet flexible notion of theatre's historical development.

**Credit Hours:** 3 hrs

**Class Restrictions:** Graduate standing

### **CTAR 557 - Audition Techniques for the Actor**

Review of the literature and personalized preparation of materials and techniques equipping the actor to better confront tryouts and auditions for the commercial and noncommercial theatre.

**Credit Hours:** 2 hrs

### **CTAR 558 - Directing Styles**

The theory and practice of directing selected periods of drama, with emphasis on Greek, Elizabethan, Restoration, modern and non-Western presentational forms.

**Credit Hours:** 2 hrs

### **CTAR 562 - American Theatre History**

A tracing of the main currents in the history of the American theatre from its beginnings in the middle 1700s to the present day.

**Credit Hours:** 2 hrs

**Prerequisites:** CTAR 450 and CTAR 451, or equivalent

**Last Updated:** Links 05/2011

### **CTAR 565 - Studies in Educational Drama and Theatre**

Studies and practices of significant trends, movements and theory in educational drama and theatre.

**Credit Hours:** 3 hrs

**Prerequisites:** CTAR 322 or CTAR 323 or CTAR 501 or CTAR 504 or CTAR 529 or CTAR 657 or CTAR 658

**Last Updated:** Links 05/2011

### **CTAR 568 - Musical Theatre Performance Techniques**

The course is designed for knowledgeable actors who are beginning work with musical theatre literature. The emphasis is on workshop experience to develop techniques for performing songs.

**Credit Hours:** 2 hrs

### **CTAR 590 - Special Topics**

Students will investigate a particular topic approved by the Department of Communication, Media and Theatre Arts. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Class Restrictions:** Graduate standing or qualified Senior in Communication and Theatre Arts

### **CTAR 591 - Special Topics**

Students will investigate a particular topic approved by the Department of Communication, Media and Theatre Arts. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Class Restrictions:** Graduate standing or qualified Senior in Communication and Theatre Arts

### **CTAR 592 - Special Topics**

Students will investigate a particular topic approved by the Department of Communication, Media and Theatre Arts. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Class Restrictions:** Graduate standing or qualified Senior in Communication and Theatre Arts

### **CTAR 597 - Independent Study**

Advanced study on an individual basis in areas not covered, or not covered in depth, in formal course work.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Repeatable:** May be repeated for credit.

### **CTAR 598 - Independent Study**

Advanced study on an individual basis in areas not covered, or not covered in depth, in formal course work.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission  
**Repeatable:** May be repeated for credit.

### **CTAR 599 - Independent Study**

Advanced study on an individual basis in areas not covered, or not covered in depth, in formal course work.

**Credit Hours:** 3 hrs  
**Prerequisites:** department permission  
**Repeatable:** May be repeated for credit.

### **CTAR 601 - Performance Inquiry**

Performance inquiry confronts questions, methods and assumptions employed both by scholars and practitioners in performance and theatre-related fields. The course examines current literature, theoretical/applied frames and foundational approaches to research.

**Credit Hours:** 3 hrs

### **CTAR 606 - Colloquium in Communication and Theatre Arts**

Students will study a special topic area with resource persons from the community as well as members of the Communication, Media and Theatre Arts faculty.

**Credit Hours:** 1 hr  
**Prerequisites:** department permission  
**Terms Offered:** Offered on a credit/no-credit basis.

### **CTAR 607 - Colloquium in Communication and Theatre Arts**

Students will study a special topic area with resource persons from the community as well as members of the cCommunication, Media and Theatre Arts faculty.

**Credit Hours:** 2 hrs  
**Prerequisites:** department permission  
**Terms Offered:** Offered on a credit/no-credit basis.

### **CTAR 608 - Colloquium in Communication and Theatre Arts**

Students will study a special topic area with resource persons from the community as well as members of the Communication, Media and Theatre Arts.

**Credit Hours:** 3 hrs  
**Prerequisites:** department permission  
**Terms Offered:** Offered on a credit/no-credit basis.

### **CTAR 627 - The Playwright and the Young Audience**

A study of dramatic literature for the young, from developmental as well as artistic viewpoints, and in contexts of the main body of dramatic literature and children's literature, and the total educational experience of children and adolescents.



**Credit Hours:** 3 hrs

### **CTAR 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **CTAR 651 - Design I**

Intermediate consideration of the theoretical and mechanical factors governing the design of scenery for the stage.

**Credit Hours:** 2 hrs

### **CTAR 657 - Improvisation**

A study of spontaneous dramatic play meant to develop deeper self-discipline and freedom and to extend resources for teaching, directing and acting.

**Credit Hours:** 3 hrs

**Class Restrictions:** Graduate standing

**Major Restrictions:** Communication and Theatre Arts

### **CTAR 658 - Theatre for Young Audiences**

This course is an extensive survey of the nature and range of theatre experiences for child, adolescent and multigenerational audiences. Current approaches to theatre for these audiences are studied within the context of the historical development of the field and the evolution of dramatic literature for the young.

**Credit Hours:** 3 hrs

**Class Restrictions:** Graduate standing or department permission

**Major Restrictions:** Communication, Media and Theatre Arts; or Children's Literature; or department permission

**Last Updated:** Title/Course Description/Prerequisite Change 10/2011, effective Winter 2012

### **CTAR 660 - Playwriting I**

Intermediate study of the approaches to, and the structural composition of, dramatic writing.

**Credit Hours:** 2 hrs

### **CTAR 661 - Playwriting II**

A continuation of CTAR 660 .

**Credit Hours:** 2 hrs

**Prerequisites:** CTAR 660

**Last Updated:** Links 05/2011

## **CTAR 662 - Lighting Design for the Entertainment Industry**

A continuation of CTAR 362, focusing on the theory and practice of lighting design for the entertainment industry. Topics will include basic electrical theory, lighting instruments, lighting control, color theory, drafting light plots, and modern practices in lighting. Students will also research contemporary lighting designers and their influence in the field.

**Credit Hours:** 3 hrs

**Prerequisites:** CTAR 362 or equivalent

**Last Updated:** Links 06/2011

## **CTAR 663 - Costume I**

Intermediate study of the approaches to, and the historical sources for, stage costuming.

**Credit Hours:** 2 hrs

## **CTAR 664 - Costume II**

Problems of construction and design of period costumes for the stage, with emphasis on practical application culminating in a final design and construction project.

**Credit Hours:** 2 hrs

## **CTAR 671 - Internship and Practicum**

A directed field experience in a department-approved agency or institution under the direction of certified personnel. Arrangements must be approved by adviser prior to registration.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **CTAR 672 - Internship and Practicum**

A directed field experience in a department-approved agency or institution under the direction of certified personnel. Arrangements must be approved by adviser prior to registration.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **CTAR 673 - Internship and Practicum**

A directed field experience in a department-approved agency or institution under the direction of certified personnel. Arrangements must be approved by adviser prior to registration.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **CTAR 674 - Internship and Practicum**

A directed field experience in a department-approved agency or institution under the direction of certified personnel. Arrangements must be approved by adviser prior to registration.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **CTAR 677 - Research Techniques**

An introduction to the nature and value of research; the research problem; basic research tools; philosophical foundations of historical, descriptive and experimental research; professional writing.

**Credit Hours:** 3 hrs

### **CTAR 679 - Special Topics**

Students will investigate a particular topic approved by the Department of Communication, Media and Theatre Arts. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

### **CTAR 680 - Special Topics**

Students will investigate a particular topic approved by the Department of Communication, Media and Theatre Arts. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

### **CTAR 681 - Special Topics**

Students will investigate a particular topic approved by the Department of Communication, Media and Theatre Arts. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

### **CTAR 682 - Workshop in Communication and Theatre Arts**

Students will be provided practical and theoretical study in a selected topic area.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **CTAR 683 - Workshop in Communication and Theatre Arts**

Students will be provided practical and theoretical study in a selected topic area.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

## **CTAR 684 - Workshop in Communication and Theatre Arts**

Students will be provided practical and theoretical study in a selected topic area.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

## **CTAR 685 - Workshop in Communication and Theatre Arts**

Students will be provided practical and theoretical study in a selected topic area.

**Credit Hours:** 4 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

## **CTAR 686 - Cooperative Education in Arts Management**

One semester of supervised educational work in communication and theatre arts. An evaluation is required at the end of each employment period.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

## **CTAR 687 - Cooperative Education in Arts Management**

One semester of supervised educational work in communication and theatre arts. An evaluation is required at the end of each employment period.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

## **CTAR 688 - Cooperative Education in Arts Management**

One semester of supervised educational work in communication and theatre arts. An evaluation is required at the end of each employment period.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

## **CTAR 690 - Degree Requirement**

A research-oriented study conducted under the supervision of a departmental faculty committee.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

## **CTAR 691 - Degree Requirement**

A research-oriented study conducted under the supervision of a departmental faculty committee.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

## **CTAR 692 - Degree Requirement**

A research-oriented study conducted under the supervision of a departmental faculty committee.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

## **CTAR 693 - Seminar in Communication and Theatre Arts**

A research-oriented course for graduate majors in communication and theatre arts.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **CTAR 694 - Seminar in Communication and Theatre Arts**

A research-oriented course for graduate majors in communication and theatre arts.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **CTAR 695 - Seminar in Communication and Theatre Arts**

A research-oriented course for graduate majors in communication and theatre arts.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **CTAR 697 - Independent Study**

An intensive study of one or more problems under the direction of a faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **CTAR 698 - Independent Study**

An intensive study of one or more problems under the direction of a faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **CTAR 699 - Independent Study**

An intensive study of one or more problems under the direction of a faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

# Computer Science Programs and Courses

## Computer Science

### Endorsement

#### Secondary Teacher Certification Endorsement (PCSE)

This program is intended for secondary school computer teachers already certified in other content areas. Successful completion of the program leads to a certificate endorsement in computer science.

##### Admission Requirements

Students must satisfy requirements of the Graduate School and hold, or be eligible for, a current secondary teaching certificate issued by the state of Michigan Department of Education.

#### Certificate Requirements

This certificate requires 23 hours of course work to be distributed as follows:

- COSC 506 - Methods of Teaching Computer Science in the Secondary School 3 hrs
- COSC 514 - Fundamentals of Computer Science I 4 hrs
- COSC 515 - Fundamentals of Computer Science II 4 hrs

**Program Total: 23 hours**

#### Undergraduate Courses for Graduate Credit: Computer Science

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- COSC 403 - Seminar and Project Design for Educators 3 hrs
- COSC 405 - Switching Theory 3 hrs
- COSC 421 - Systems Programming 3 hrs
- COSC 422 - Introduction to Microprocessors 3 hrs
- COSC 423 - Computer Operating Systems 3 hrs
- COSC 436 - Web Programming 3 hrs
- COSC 439 - Computing Network Principles 3 hrs
- COSC 444 - Foundations of Automata and Languages 3 hrs
- COSC 445 - Compiler Construction 3 hrs
- COSC 456 - Computer Graphics 3 hrs
- COSC 457 - Computer Game Programming 3 hrs
- COSC 461 - Heuristic Programming 3 hrs
- COSC 471 - Database Principles 3 hrs

- COSC 481 - Software Engineering and Senior Project 3 hrs

## **Master's**

# **Double Master's Degree Program with Hochschule Karlsruhe - Technik und Wirtschaft (University of Applied Sciences), Germany**

### **Purpose of the Program**

The purpose of the Double Master's Degree Program is to enroll excellent students of both departments with two separate yet closely allied degrees: master of computer science, Department of Computer Science, Eastern Michigan University and master of computer science and multimedia studies, Hochschule Karlsruhe - Technik und Wirtschaft (University of Applied Sciences), Germany.

### **Admission to the Program**

The Department of Computer Science at Eastern Michigan University (EMU) and the Hochschule Karlsruhe - Technik und Wirtschaft (University of Applied Sciences) (HK-TW), henceforth labeled partner institutions, agree that admission into the Double Master's Degree Program requires strictly equivalent academic qualification in both institutions.

For admission into the Double Master's Degree Program with EMU as the home institution, EMU requires the equivalent of a four-year bachelor's degree from an accredited U.S. college or university, suitable English language skills and all qualifications as specified and deemed appropriate by the Graduate School and the Department of Computer Science.

For admission into the Double Master's Degree Program with HK-TW as the home institution, HK-TW requires a bachelor's degree or a Diploma in Informatik or Wirtschaftsinformatik, suitable German and English language skills and all qualifications as specified and deemed appropriate by the Fachbereich Informatik at HK-TW.

A student who has been admitted into the Double Master's Degree Program at one partner institution must apply to the Double Master's Degree Program at the other partner institution for the completion of the international component of this program. Where the admission criteria are not easily translatable or not well articulated, reasonable judgments will be made by persons authorized and qualified to make them. An application to the partner institution shall be accompanied by a letter of recommendation for the student from the graduate coordinator in the department of the home institution that elaborates on the specific qualifications of that student for international study.

Graduation from the Double Master's Degree Program documents that the holder of the two degrees has completed all required course work, has excelled under international conditions, has developed a global view of the field of computer science and has become an outstanding computer scientist.

### **Description of the Program Requirements**

The partner institutions agree that the Double Master's Degree Program is based on a strict equivalence of credits and student performance. Successful completion of the Double Master's Degree Program and eligibility for the two degrees named above require the completion of a significant portion of both the two master's degree programs at the partner institutions as specified below.

Upon admission to the Double Master's Degree Program, a student must design a program of study approved by the graduate coordinator of the participating department. Every program of study must encompass a minimum of four semesters of full-time study at the graduate level. At EMU four semesters are counted as the equivalent of 48 graduate credit hours, and at HK-TW four semesters are counted as the equivalent of 12 six-hour blocks and one master's thesis seminar. The partner institutions therefore agree on the following framework for suitable programs of study within their respective master's degree programs in order to accommodate students for the Double Master's Degree Program.



A student admitted to the Double Master's Degree Program by the Department of Computer Science with EMU as the home institution will receive master's degrees from both institutions when the following requirements are fulfilled:

1. Satisfactory completion of six classes (18 credit hours) of graduate studies in the Department of Computer Science at EMU. The classes must appear on an approved Program of Study based on Plan B (Research Study). For the specific requirements consult with the double degree program adviser.
2. Satisfactory completion of one semester of graduate studies, including four blocks of Multimedia Studies in the Fachbereich Informatik at HK-TW (the blocks must appear on an approved Program of Study). For the specific requirements consult with the double degree program adviser.
3. Satisfactory completion of a one-semester internship including a master's thesis directed by a faculty member in the Fachbereich Informatik at HK-TW.

A student admitted to the Double Master's Degree Program by the Fachbereich Informatik with HK-TW as the home institution will receive master's degrees from both institutions when the following requirements are fulfilled:

1. Satisfactory completion of two semesters of graduate studies, including six blocks of Multimedia Studies in the Fachbereich Informatik at HK-TW (the blocks must appear on an approved Program of Study). For the specific requirements consult with the double degree program adviser.
2. Satisfactory completion of five classes (15 credit hours) of graduate studies in the Department of Computer Science at EMU (the classes must appear on an approved Program of Study based on Plan B [Research Study]). For the specific requirements consult with the double degree program adviser.
3. Satisfactory completion of a one-semester research study directed by a faculty member in the Department of Computer Science at EMU.

## Undergraduate Courses for Graduate Credit: Computer Science

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- COSC 403 - Seminar and Project Design for Educators 3 hrs
- COSC 405 - Switching Theory 3 hrs
- COSC 421 - Systems Programming 3 hrs
- COSC 422 - Introduction to Microprocessors 3 hrs
- COSC 423 - Computer Operating Systems 3 hrs
- COSC 436 - Web Programming 3 hrs
- COSC 439 - Computing Network Principles 3 hrs
- COSC 444 - Foundations of Automata and Languages 3 hrs
- COSC 445 - Compiler Construction 3 hrs
- COSC 456 - Computer Graphics 3 hrs
- COSC 457 - Computer Game Programming 3 hrs
- COSC 461 - Heuristic Programming 3 hrs
- COSC 471 - Database Principles 3 hrs
- COSC 481 - Software Engineering and Senior Project 3 hrs

## Master of Science in Computer Science (CSC)

Adviser: Pamela Moore, M.S.  
512C Pray-Harrold  
734.487.3205  
pmoore@emich.edu

The master of science in computer science program provides a flexible and rigorous education in the advanced principles of computer science. Graduates are prepared for employment in business, government organizations, educational institutions and other enterprises.

### **Admission Requirements**

Applicants must:

1. Meet Graduate School admission requirements;
2. Have at least 18 hours of 200-level (or above) computer science courses, including data structures, programming languages, computer organization and operating systems and competency in a high-level programming language such as C, C++, or Java; a major in computer science is preferred. Students must have a minimum GPA of 2.75 in computer science course work; and
3. Have completed courses in discrete mathematics, probability and statistics, linear algebra and calculus (two semesters).

### **Statement of the meaning of the three levels of admissions assessment in the prerequisites for graduate courses:**

*Each assessment has two possible scores:*

0: unsatisfactory

1: satisfactory.

### **Degree Requirements**

The program has two tracks. Students will be placed in a track depending on their qualification.

- Traditional (non-accelerated) track: This track is for students who did not complete a graduate-level course in the Computer Science Department at Eastern Michigan University as part of their bachelors degree. Most students with degrees from an institution other than EMU will be in this track.
- Accelerated track: Some departments, including the Computer Science Department at Eastern Michigan University, allow undergraduate students to take graduate-level courses and use them to fulfill their undergraduate degree requirements. This track is for students who completed a graduate-level course in the Computer Science Department at EMU as part of their bachelors degree.

Students in this track may double-count up to 9 credit hours of the graduate-level courses used in fulfilling their undergraduate degree requirements toward the masters program. Student must earn a grade of B or better in the course to be able to double-count it, otherwise the course may only be counted towards the undergraduate program.

The course must be from the following group:

- COSC 405 - Switching Theory (3 hrs)
- COSC 421 - Systems Programming (3 hrs)
- COSC 422 - Introduction to Microprocessors (3 hrs)
- COSC 423 - Computer Operating Systems (3 hrs)
- COSC 436 - Web Programming (3 hrs)
- \* COSC 439 - Computing Network Principles (3 hrs)

- \* COSC 444 - Foundations of Automata and Languages (3 hrs)
- COSC 445 - Compiler Construction (3 hrs)
- \* COSC 456 - Computer Graphics (3 hrs)
- COSC 457 - Computer Game Programming (3 hrs)
- \* COSC 461 - Heuristic Programming (3 hrs)
- \* COSC 471 - Database Principles (3 hrs)
- \* COSC 481W - Software Engineering and Senior Project (3 hrs)

*The student must request graduate credit by completing the necessary forms at the beginning of the semester when taking a 400-level course that they wish to count towards the graduate program.*

- COSC 511 - Design and Analysis of Algorithms (3 hrs)
- COSC 513 - Formal Methods in Software Development (3 hrs)
- \* COSC 522 - Computer Communication Networks and Distributed Systems (3 hrs)
- COSC 523 - Advanced Computer Organization (3 hrs)
- COSC 527 - Wireless Networking Principles (3 hrs)
- \* COSC 541 - Automata, Computability and Formal Languages (3 hrs)
- COSC 544 - Programming in LISP (1 hr)
- COSC 545 - Programming in Prolog (1 hr)
- COSC 552 - Human-Computer Interaction (3 hrs)
- \* COSC 556 - Advanced Computer Graphics (3 hrs)
- \* COSC 561 - Artificial Intelligence (3 hrs)
- COSC 562 - Information Retrieval and Recommendation (3 hrs)
- \* COSC 571 - Database Management Systems Design (3 hrs)
- COSC 576 - Computational Tools in Bioinformatics (3 hrs)
- \* COSC 581 - Software Design and Development (3 hrs)

*\* Only one of each pair from the following courses may be counted towards the masters program: COSC 439 and COSC 522; COSC 444 and COSC 541; COSC 456 and COSC 556; COSC 461 and COSC 561; COSC 471 and COSC 571; or COSC 481W and COSC 581.*

Students must complete the equivalent of at least 150 credit hours for the combined total of graduate and undergraduate courses.

All students regardless of their track may follow one of three plans: **Plan A**, with practicum; **Plan B**, with research study; or **Plan C**, with thesis. Each plan requires 33 hours minus the double-counted hours for students in the accelerated track. At least nine hours in approved 600-level computer science courses are required. At most, nine hours of cognates (500- and 600-level courses

pre-approved by the graduate coordinator) may be credited toward the degree. At most, nine hours of approved 400-level courses taken for graduate credit may be counted. All students must satisfactorily complete (or have completed at the undergraduate level) at least one course in each of the following areas: operating system principles, network principles, database principles, and theoretical computer science. All students must have an approved and current program of study.

**ADM:** Student satisfies the admissions requirements to the computer science master's degree program, CSC.

**ADP:** Student satisfies the ADM admissions assessment, and student has completed COSC 444 - Foundations of Automata and Languages or COSC 541 - Automata, Computability and Formal Languages or equivalent.

**UGM:** Student has completed an undergraduate computer science major that includes senior level courses in computer architecture, database and operating systems.

## Plan A: Practicum

This plan requires a written exit examination and a capstone practicum course.

### Required Course: 3 hours

- COSC 683 - Software Engineering Practicum 3 hrs

### Elective Courses Category I: 0-9 hours

*Zero to nine hours selected in consultation with the graduate coordinator:*

- COSC 405 - Switching Theory 3 hrs
- COSC 421 - Systems Programming 3 hrs
- COSC 422 - Introduction to Microprocessors 3 hrs
- COSC 423 - Computer Operating Systems 3 hrs
- \* COSC 439 - Computing Network Principles 3 hrs
- \* COSC 444 - Foundations of Automata and Languages 3 hrs
- COSC 445 - Compiler Construction 3 hrs
- \* COSC 456 - Computer Graphics 3 hrs
- COSC 457 - Computer Game Programming 3 hrs
- \* COSC 461 - Heuristic Programming 3 hrs
- \* COSC 471 - Database Principles 3 hrs
- \* COSC 481 - Software Engineering and Senior Project 3 hrs

### Elective Courses Category II: 9-30 hours

*Nine to 30 hours, a minimum of nine hours must be taken at the 600-level:*

- COSC 511 - Design and Analysis of Algorithms 3 hrs
- COSC 513 - Formal Methods in Software Development 3 hrs
- \* COSC 522 - Computer Communication Networks and Distributed Systems 3 hrs

- COSC 523 - Advanced Computer Organization 3 hrs
- COSC 527 - Wireless Networking Principles 3 hrs
- \* COSC 541 - Automata, Computability and Formal Languages 3 hrs
- COSC 544 - Programming in LISP 1 hr
- COSC 545 - Programming in Prolog 1 hr
- COSC 552 - Human-Computer Interaction 3 hrs
- \* COSC 556 - Advanced Computer Graphics 3 hrs
- \* COSC 561 - Artificial Intelligence 3 hrs
- COSC 562 - Information Retrieval and Recommendation 3 hrs
- \* COSC 571 - Database Management Systems Design 3 hrs
- COSC 576 - Computational Tools in Bioinformatics 3 hrs
- \* COSC 581 - Software Design and Development 3 hrs
- COSC 582 - Object-Oriented Design 3 hrs
- COSC 590 - Special Topics 1 hr
- COSC 591 - Special Topics 2 hrs
- COSC 592 - Special Topics 3 hrs
- COSC 612 - Parallel Algorithms 3 hrs
- COSC 623 - Advanced Operating Systems 3 hrs
- COSC 625 - Real Time Processing 3 hrs
- COSC 631 - eCommerce and Web Database Infrastructure 3 hrs
- COSC 645 - Advanced Compiler Construction 3 hrs
- COSC 653 - Software Requirements Engineering 3 hrs
- COSC 661 - Automated Reasoning 3 hrs
- COSC 662 - Seminar 1 hr
- COSC 663 - Fuzzy Logic and Design of Fuzzy Systems 3 hrs
- COSC 667 - Machine Learning and Data Mining 3 hrs
- COSC 671 - Advanced Topics in DBMS 3 hrs
- COSC 679 - Special Topics 1 hr
- COSC 680 - Special Topics 2 hrs
- COSC 681 - Special Topics 3 hrs
- COSC 685 - Software Quality Assurance 3 hrs

### Elective Courses Category III: 0-3 hours

*Zero to three hours selected in consultation with the graduate coordinator:*

- COSC 597 - Independent Study 1 hr
- COSC 598 - Independent Study 2 hrs
- COSC 599 - Independent Study 3 hrs
- COSC 697 - Independent Study 1 hr
- COSC 698 - Independent Study 2 hrs
- COSC 699 - Independent Study 3 hrs

### Cognate Courses (pre-approved, 500- and 600-level): 0-9 hours

*Zero to nine hours selected in consultation with the graduate coordinator.*

## Program Total: 33 hours

### Note:

*\* Graduate students in the computer science masters program may not count both of the following pairs of courses in their program of study: COSC 439 and COSC 522; COSC 444 and COSC 541; COSC 456 and COSC 556; COSC 461 and COSC 561; COSC 471 and COSC 571; or COSC 481 and COSC 581.*

## Plan B: Research Study

Plan B requires completion of a research project. A committee of three members, chaired by the student's research adviser, is responsible for confirming the student's preparedness, approving the topic and readings and accepting the research report. One committee member may be from outside the department. The research report must be publicly presented after approval by the committee.

## Required Courses: 3-4 hours

- COSC 690 - Thesis 1 hr
- COSC 691 - Thesis 2 hrs
- COSC 692 - Thesis 3 hrs

## Elective Courses Category I: 0-9 hours

*Zero to nine hours selected in consultation with the graduate coordinator:*

- COSC 405 - Switching Theory 3 hrs
- COSC 421 - Systems Programming 3 hrs
- COSC 422 - Introduction to Microprocessors 3 hrs
- COSC 423 - Computer Operating Systems 3 hrs
- \* COSC 439 - Computing Network Principles 3 hrs
- \* COSC 444 - Foundations of Automata and Languages 3 hrs
- COSC 445 - Compiler Construction 3 hrs
- \* COSC 456 - Computer Graphics 3 hrs
- COSC 457 - Computer Game Programming 3 hrs
- \* COSC 461 - Heuristic Programming 3 hrs
- \* COSC 471 - Database Principles 3 hrs
- \* COSC 481 - Software Engineering and Senior Project 3 hrs

## Elective Courses Category II: 9-30 hours

*Nine to 30 hours, a minimum of nine hours must be taken at the 600-level:*

- COSC 511 - Design and Analysis of Algorithms 3 hrs
- COSC 513 - Formal Methods in Software Development 3 hrs
- \* COSC 522 - Computer Communication Networks and Distributed Systems 3 hrs
- COSC 523 - Advanced Computer Organization 3 hrs
- COSC 527 - Wireless Networking Principles 3 hrs

- \* COSC 541 - Automata, Computability and Formal Languages 3 hrs
- COSC 544 - Programming in LISP 1 hr
- COSC 545 - Programming in Prolog 1 hr
- COSC 552 - Human-Computer Interaction 3 hrs
- \* COSC 556 - Advanced Computer Graphics 3 hrs
- \* COSC 561 - Artificial Intelligence 3 hrs
- COSC 562 - Information Retrieval and Recommendation 3 hrs
- \* COSC 571 - Database Management Systems Design 3 hrs
- COSC 576 - Computational Tools in Bioinformatics 3 hrs
- \* COSC 581 - Software Design and Development 3 hrs
- COSC 582 - Object-Oriented Design 3 hrs
- COSC 590 - Special Topics 1 hr
- COSC 591 - Special Topics 2 hrs
- COSC 592 - Special Topics 3 hrs
- COSC 612 - Parallel Algorithms 3 hrs
- COSC 616 - Algorithms in Bioinformatics 3 hrs
- COSC 623 - Advanced Operating Systems 3 hrs
- COSC 625 - Real Time Processing 3 hrs
- COSC 631 - eCommerce and Web Database Infrastructure 3 hrs
- COSC 645 - Advanced Compiler Construction 3 hrs
- COSC 653 - Software Requirements Engineering 3 hrs
- COSC 661 - Automated Reasoning 3 hrs
- COSC 662 - Seminar 1 hr
- COSC 663 - Fuzzy Logic and Design of Fuzzy Systems 3 hrs
- COSC 667 - Machine Learning and Data Mining 3 hrs
- COSC 671 - Advanced Topics in DBMS 3 hrs
- COSC 679 - Special Topics 1 hr
- COSC 680 - Special Topics 2 hrs
- COSC 681 - Special Topics 3 hrs
- COSC 685 - Software Quality Assurance 3 hrs

### Elective Courses Category III: 0-3 hours

*Zero to three hours selected in consultation with the graduate coordinator:*

- COSC 597 - Independent Study 1 hr
- COSC 598 - Independent Study 2 hrs
- COSC 599 - Independent Study 3 hrs
- COSC 697 - Independent Study 1 hr
- COSC 698 - Independent Study 2 hrs
- COSC 699 - Independent Study 3 hrs

### Cognate Courses (pre-approved, 500- and 600-level): 0-9 hours

*Zero to nine hours selected in consultation with the graduate coordinator.*

**Program Total: 33 hours**

## Note:

*\* Graduate students in the computer science masters program may not count both of the following pairs of courses in their program of study: COSC 439 and COSC 522; COSC 444 and COSC 541; COSC 456 and COSC 556; COSC 461 and COSC 561; COSC 471 and COSC 571; or COSC 481 and COSC 581.*

## Plan C: Thesis

Plan C requires completion of a thesis for six hours. A committee of three members, chaired by the student's research adviser, is responsible for confirming the student's preparedness, approving the topic and readings and accepting the thesis. One committee member may be from outside the department. The thesis must be publicly defended.

## Required Courses: 6 hours

- COSC 690 - Thesis 1 hr
- COSC 691 - Thesis 2 hrs
- COSC 692 - Thesis 3 hrs

## Elective Courses Category I: 0-9 hours

*Zero to nine hours selected in consultation with the graduate coordinator:*

- COSC 405 - Switching Theory 3 hrs
- COSC 421 - Systems Programming 3 hrs
- COSC 422 - Introduction to Microprocessors 3 hrs
- COSC 423 - Computer Operating Systems 3 hrs
- \* COSC 439 - Computing Network Principles 3 hrs
- \* COSC 444 - Foundations of Automata and Languages 3 hrs
- COSC 445 - Compiler Construction 3 hrs
- \* COSC 456 - Computer Graphics 3 hrs
- \* COSC 461 - Heuristic Programming 3 hrs
- \* COSC 471 - Database Principles 3 hrs
- \* COSC 481 - Software Engineering and Senior Project 3 hrs

## Elective Courses Category II: 9-30 hours

*Nine to 30 hours, a minimum of nine hours must be taken at the 600-level:*

- COSC 511 - Design and Analysis of Algorithms 3 hrs
- COSC 513 - Formal Methods in Software Development 3 hrs
- \* COSC 522 - Computer Communication Networks and Distributed Systems 3 hrs
- COSC 523 - Advanced Computer Organization 3 hrs
- COSC 527 - Wireless Networking Principles 3 hrs
- \* COSC 541 - Automata, Computability and Formal Languages 3 hrs
- COSC 544 - Programming in LISP 1 hr
- COSC 545 - Programming in Prolog 1 hr
- COSC 552 - Human-Computer Interaction 3 hrs



- \* COSC 556 - Advanced Computer Graphics 3 hrs
- \* COSC 561 - Artificial Intelligence 3 hrs
- COSC 562 - Information Retrieval and Recommendation 3 hrs
- \* COSC 571 - Database Management Systems Design 3 hrs
- COSC 576 - Computational Tools in Bioinformatics 3 hrs
- \* COSC 581 - Software Design and Development 3 hrs
- COSC 582 - Object-Oriented Design 3 hrs
- COSC 590 - Special Topics 1 hr
- COSC 591 - Special Topics 2 hrs
- COSC 592 - Special Topics 3 hrs
- COSC 612 - Parallel Algorithms 3 hrs
- COSC 616 - Algorithms in Bioinformatics 3 hrs
- COSC 623 - Advanced Operating Systems 3 hrs
- COSC 625 - Real Time Processing 3 hrs
- COSC 631 - eCommerce and Web Database Infrastructure 3 hrs
- COSC 645 - Advanced Compiler Construction 3 hrs
- COSC 653 - Software Requirements Engineering 3 hrs
- COSC 661 - Automated Reasoning 3 hrs
- COSC 662 - Seminar 1 hr
- COSC 663 - Fuzzy Logic and Design of Fuzzy Systems 3 hrs
- COSC 667 - Machine Learning and Data Mining 3 hrs
- COSC 671 - Advanced Topics in DBMS 3 hrs
- COSC 679 - Special Topics 1 hr
- COSC 680 - Special Topics 2 hrs
- COSC 681 - Special Topics 3 hrs
- COSC 685 - Software Quality Assurance 3 hrs

### Elective Courses Category III: 0-3 hours

*Zero to three hours selected in consultation with the graduate coordinator:*

- COSC 597 - Independent Study 1 hr
- COSC 598 - Independent Study 2 hrs
- COSC 599 - Independent Study 3 hrs
- COSC 697 - Independent Study 1 hr
- COSC 698 - Independent Study 2 hrs
- COSC 699 - Independent Study 3 hrs

### Cognate Courses (pre-approved, 500- and 600-level): 0-9 hours

*Zero to nine hours selected in consultation with the graduate coordinator.*

**Program Total: 33 hours**

**Note:**

*\* Graduate students in the computer science masters program may not count both of the following pairs of courses in their program of study: COSC 439 and COSC 522; COSC 444 and COSC 541; COSC 456 and COSC 556; COSC 461 and COSC 561; COSC 471 and COSC 571; or COSC 481 and COSC 581.*

## Undergraduate Courses for Graduate Credit: Computer Science

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- COSC 403 - Seminar and Project Design for Educators 3 hrs
- COSC 405 - Switching Theory 3 hrs
- COSC 421 - Systems Programming 3 hrs
- COSC 422 - Introduction to Microprocessors 3 hrs
- COSC 423 - Computer Operating Systems 3 hrs
- COSC 436 - Web Programming 3 hrs
- COSC 439 - Computing Network Principles 3 hrs
- COSC 444 - Foundations of Automata and Languages 3 hrs
- COSC 445 - Compiler Construction 3 hrs
- COSC 456 - Computer Graphics 3 hrs
- COSC 457 - Computer Game Programming 3 hrs
- COSC 461 - Heuristic Programming 3 hrs
- COSC 471 - Database Principles 3 hrs
- COSC 481 - Software Engineering and Senior Project 3 hrs

## Computer Science

### COSC 403 - Seminar and Project Design for Educators

Major project design and more formalized, structured programming. Each student will work on two original major programs, one of which will be a group project. The student will report on both projects (written and oral) and give a formal presentation of the individual project to the University community in the form of a public lecture.

**Credit Hours:** 3 hrs

**Prerequisites:** COSC 311 and COSC 342

**Class Restrictions:** Senior standing

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

### COSC 405 - Switching Theory

Switching algebra, gate network and sequential circuit analysis and synthesis. Boolean algebra, sequential circuit state and combinational circuit minimization, hazards and races, elementary number systems and codes.

**Credit Hours:** 3 hrs

**Prerequisites:** COSC 211 and COSC 221

**Class Restrictions:** Juniors and Seniors only

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **COSC 421 - Systems Programming**

Batch-process systems programs, components and operating characteristics. Implementation techniques for parallel processing and interrupt handling. Overall structure of multiprogramming systems. Addressing techniques, file system design and management. Interprocess communication, design of system modules and interfaces.

**Credit Hours:** 3 hrs

**Prerequisites:** COSC 221, COSC 311 and COSC 341

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **COSC 422 - Introduction to Microprocessors**

The fundamentals of small-system software development as it applies to microprocessors and minicomputers. Introduction to microprocessors and peripheral hardware; software and software development; applications. Students will have access to both microcomputers and a minicomputer to gain first-hand knowledge of this field.

**Credit Hours:** 3 hrs

**Prerequisites:** COSC 221 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **COSC 423 - Computer Operating Systems**

Computer operating systems functions and concepts. Processor allocation: multiprogramming and scheduling algorithms. Memory tasks and data management. The deadlock problem. Virtual memory, allocation strategies and analysis of their algorithms. Design, implementation and protection of I/O files. Survey of available computer operating systems.

**Credit Hours:** 3 hrs

**Prerequisites:** COSC 221 and COSC 311

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **COSC 436 - Web Programming**

Students will learn how to set up and configure a web server and associated services. Topics covered will include: CGI, JavaScript, Web security tools, server-side programming multfiles applets, data description languages, database connectivity, scripting languages and distributed applications. Exposure to security and efficiency issues.

**Credit Hours:** 3 hrs

**Prerequisites:** COSC 231, COSC 311 and COSC 341

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **COSC 439 - Computing Network Principles**

The basic concepts of computer communication systems with particular emphasis on communication hardware and microcomputer networks. Students will be involved in the development and writing of software components of communications

such as terminal emulators and file transfer packages. Basic communication theory and terminology, communication hardware devices, communication protocols and microcomputer networks.

**Credit Hours:** 3 hrs

**Prerequisites:** COSC 221 and COSC 311; COSC 314 recommended

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **COSC 444 - Foundations of Automata and Languages**

A review of finite automata. A rigorous treatment of regular languages including closure properties and the Pumping Lemma. An investigation of context-free languages, context-free grammars, simplification of grammars, normal forms and related topics. Turing machines and the Halting Problem. Applications to lexical analysis.

**Credit Hours:** 3 hrs

**Prerequisites:** COSC 311 and COSC 314

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **COSC 445 - Compiler Construction**

Review of programming language structures, translation, loading, execution and storage allocation. Compilation of simple statements. Organization and overall design of a compiler. Use of compiler writing languages.

**Credit Hours:** 3 hrs

**Prerequisites:** COSC 311 and COSC 314 and COSC 341

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **COSC 456 - Computer Graphics**

An in-depth exploration of fundamental concepts of 2D and 3D computer graphics. Topics include: geometric transformations, lighting and shading models, texture mapping, animation, solid modeling, ray-tracing, hidden-surface removal and the use of graphics in visualization and computer gaming. Course is project oriented, including interactive 3D animations.

**Credit Hours:** 3 hrs

**Prerequisites:** COSC 311 and either the completion of MATH 122 or MATH 205

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

## **COSC 457 - Computer Game Programming**

Introduces the central components of 3D computer game programming: game design, using a 3D graphics engine (lighting, shading, textures, etc.), terrain modeling, solid modeling, kinematics, collision detection, real-time animation, simple AI agency, sound integration.

**Credit Hours:** 3 hrs

**Prerequisites:** COSC 311

**Class Restrictions:** Junior or Senior standing

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; 05/2011

## **COSC 461 - Heuristic Programming**

Programming techniques for problems with large-state spaces or uncertain knowledge: searches, heuristic evaluation, rule-based inference, approximate reasoning and adaptation using neural nets, genetic algorithms and reinforcement learning.

**Credit Hours:** 3 hrs

**Prerequisites:** COSC 311 and COSC 314

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **COSC 471 - Database Principles**

A technical review of the theory and principles of database design and organization. The concepts and structures necessary to design and implement a database management system. Network, hierarchical and relational database models. Data normalization, data description languages, query languages, data integrity and security.

**Credit Hours:** 3 hrs

**Prerequisites:** COSC 311 and COSC 314 and COSC 341

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **COSC 481 - Software Engineering and Senior Project**

This capstone course surveys the fundamentals of software engineering, including requirements analysis, design, disciplined implementation and evaluation. Students will work on a semester-long software project that employs principles learned in other computer science classes.

**Credit Hours:** 3 hrs

**Prerequisites:** COSC 311 and department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **COSC 506 - Methods of Teaching Computer Science in the Secondary School**

This course encompasses information and materials needed to prepare students for the teaching of computer science in grades seven through 12. Topics include curricular development, course content, laboratory arrangement, pedagogical methods, security and maintenance of equipment, software selection and evaluation and copyright considerations. In addition, the course presents approaches for dealing with diversity of student abilities and backgrounds, techniques and strategies for teaching problem-solving, algorithm development and program debugging. Time will be spent fitting previous teaching experiences and backgrounds into the computer science class and laboratory environments.

**Credit Hours:** 3 hrs

**Prerequisites:** COSC 311 and (COSC 221 or COSC 515)

**Last Updated:** Links 05/2011

## **COSC 511 - Design and Analysis of Algorithms**

Complexity measures of algorithms; searching, sorting, string matching and graph algorithms; design and analysis of greedy algorithms, backtracking, divide and conquer approach, dynamic programming; NP-complete and NP-hard problems are studied.

**Credit Hours:** 3 hrs

**Prerequisites:** COSC 311 and COSC 314 and MATH 121

**Last Updated:** Links 06/2011

## **COSC 513 - Formal Methods in Software Development**

Principles of logical reasoning and their application to the development of reliable software, propositional and predicate logic, mathematical induction, semantics of control and data structures are studied. Examples are drawn from various applications areas. Emphasis is on the use of formal methods as practical tools that aid in software development.

**Credit Hours:** 3 hrs

**Prerequisites:** COSC 311 and COSC 314 and MATH 121

**Last Updated:** Links 06/2011

## **COSC 514 - Fundamentals of Computer Science I**

An accelerated course covering the content of COSC 211 Programming Data Structures and COSC 311 Data Structures. Includes structured programming, recursion, topics in data structures and an introduction to algorithm analysis. No credit for COSC 311 or its equivalent.

**Credit Hours:** 4 hrs

**Prerequisites:** COSC 111 or equivalent

**Last Updated:** Links 06/2011

## **COSC 515 - Fundamentals of Computer Science II**

An accelerated treatment of topics from COSC 221 Computer Organization I and COSC 321 Computer Organization II. Topics include: machine language and arithmetic; assembly language programming; implementation of high-level run time structures; structure of assemblers, loaders and command interpreters. Logic design and computer architecture. No credit for COSC 221, COSC 321 or their equivalent.

**Credit Hours:** 4 hrs

**Prerequisites:** COSC 514 or department permission

**Last Updated:** Links 05/2011

## **COSC 522 - Computer Communication Networks and Distributed Systems**

A study of networks of interacting computers. Topics covered: principles of data communication; major national and international protocols; models for network design and analysis; local and long-haul networks; distributed processing, distributed databases and distributed operating systems. A laboratory project involving a network of microcomputer systems is included.

**Credit Hours:** 3 hrs

**Prerequisites:** COSC 314 and COSC 311 and COSC 321

**Last Updated:** Links 06/2011

## **COSC 523 - Advanced Computer Organization**

Processor design, fixed and floating point arithmetic processing and nonarithmetic processing are studied. Topics covered: control design and microprogramming; memory organization and input-output; system organization. Case studies will be drawn from computer systems designed to make special types of processing more efficient: stack computers, pipelined processors and vector computer multiprocessing.

**Credit Hours:** 3 hrs  
**Prerequisites:** COSC 311 and COSC 321  
**Last Updated:** Links 06/2011

## **COSC 527 - Wireless Networking Principles**

This course involves the study of wireless communication technologies and standards. Communication issues such as frequency reuse, signal coding, error control coding and spread spectrum technology as well as technologies including cellular telephony, personal communications systems and wireless local area networks and international wireless standards will be discussed.

**Credit Hours:** 3 hrs  
**Prerequisites:** MATH 120 and (COSC 439 or COSC 522)  
**Last Updated:** Links 05/2011

## **COSC 541 - Automata, Computability and Formal Languages**

A survey of the principal mathematical models of computation and formal languages. Finite automata, regular languages and sets, the Chomsky hierarchy, context-free languages, computability and undecidable problems, computational complexity and NP-completeness are studied.

**Credit Hours:** 3 hrs  
**Prerequisites:** COSC 314 and COSC 311  
**Last Updated:** Links 06/2011

## **COSC 544 - Programming in LISP**

Introduction to the LISP language with emphasis on artificial intelligence applications. Pure LISP, built-in and user-defined functions, PROG feature, MAP-functionals and property lists.

**Credit Hours:** 1 hr  
**Prerequisites:** COSC 311 or COSC 514  
**Last Updated:** Links 05/2011

## **COSC 545 - Programming in Prolog**

An introduction to one of the most widely used languages of artificial intelligence. Topics include Prolog's inference procedure, assertions of facts and rules, recursion, list structures, functors, the cut, numerical operations and principles of good Prolog style.

**Credit Hours:** 1 hr  
**Prerequisites:** COSC 311 or COSC 514  
**Last Updated:** Links 05/2011

## **COSC 552 - Human-Computer Interaction**

Methods for modeling, designing, implementing and evaluating dialogues between people and computer systems, taking into account modern interface technologies, human limitations and trade-offs between competing design objectives.

**Credit Hours:** 3 hrs  
**Prerequisites:** COSC 444 or COSC 541  
**Last Updated:** Links 05/2011

## **COSC 556 - Advanced Computer Graphics**

Topics covered: mathematics for 3-D graphics; polygon clipping; polygon filling; modeling methods; 3-D transformations; parallel and perspective projections; hidden line and hidden surface removal algorithms; shading and color models.

**Credit Hours:** 3 hrs

**Prerequisites:** COSC 311, MATH 120, and MATH 122

**Last Updated:** Links 05/2011

## **COSC 561 - Artificial Intelligence**

This course introduces the student to basic concepts and techniques of artificial intelligence. Topics covered: strategies for choosing representations, notational systems and structures; search strategies; control issues; examples of current systems in natural language processing, pattern recognition, problem-solving, learning and information retrieval. Students with no prior knowledge of LISP should take COSC 544 concurrently.

**Credit Hours:** 3 hrs

**Prerequisites:** COSC 444 or COSC 541

**Last Updated:** Links 05/2011

## **COSC 562 - Information Retrieval and Recommendation**

Explores the fields of information retrieval and recommendation. Searching for and recommending relevant information to a user. Topics include set-theoretic, algebraic and probabilistic models common to both fields, evaluation of retrieval and recommendation techniques, queries, indexing and issues related to format (text, multimedia, etc.).

**Credit Hours:** 3 hrs

**Prerequisites:** COSC 314, COSC 311 and (MATH 360 or MATH 370)

**Last Updated:** Links 05/2011

## **COSC 571 - Database Management Systems Design**

Topics covered: file and data organization techniques; the hierarchical, network and relational data models with examples; query facilities; data normalization; security and integrity; design and implementation of a simple DBMS system.

**Credit Hours:** 3 hrs

**Prerequisites:** COSC 341, COSC 321, and either COSC 444 or COSC 541

**Last Updated:** Links 05/2011

## **COSC 576 - Computational Tools in Bioinformatics**

An introduction to tools for programming and data management commonly used in bioinformatics. Topics include Perl programming, bioinformatics programming libraries for Perl and Java, Web and data markup languages and database technology (database design and queries).

**Credit Hours:** 3 hrs

**Prerequisites:** COSC 514 or COSC 311

**Last Updated:** Links 05/2011

## **COSC 581 - Software Design and Development**



Software engineering techniques for the organization, management and development of a large software project are studied, including specification, structured design, segmentation and documentation.

**Credit Hours:** 3 hrs

**Prerequisites:** COSC 341 and either COSC 444 or COSC 541

**Last Updated:** Links 05/2011

## **COSC 582 - Object-Oriented Design**

This course covers the analysis and design aspects of a software development process from an object-oriented perspective. The Unified Software Development Process along with the Unified Modeling Language (UML) will be used for modeling software systems. Requirements gathering and planning activities will be dealt with only from a modeling perspective.

**Credit Hours:** 3 hrs

**Prerequisites:** COSC 481 or COSC 581

**Last Updated:** Links 05/2011

## **COSC 590 - Special Topics**

A graduate-level course in a specific area of computer science to be determined by the field of specialization of the instructor and the interest of the students. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** Six hours of graduate computer science courses and department permission

## **COSC 591 - Special Topics**

A graduate-level course in a specific area of computer science to be determined by the field of specialization of the instructor and the interest of the students. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** Six hours of graduate computer science courses and department permission

## **COSC 592 - Special Topics**

A graduate-level course in a specific area of computer science to be determined by the field of specialization of the instructor and the interest of the students. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** Six hours of graduate computer science courses and department permission

## **COSC 597 - Independent Study**

An intensive study of a problem or implementation of a project under the direction of a member of the computer science faculty.

**Credit Hours:** 1 hr

**Prerequisites:** Six hours of graduate computer science courses and department permission

## **COSC 598 - Independent Study**

An intensive study of a problem or implementation of a project under the direction of a member of the computer science faculty.

**Credit Hours:** 2 hrs

**Prerequisites:** Six hours of graduate computer science courses and department permission

### **COSC 599 - Independent Study**

An intensive study of a problem or implementation of a project under the direction of a member of the computer science faculty.

**Credit Hours:** 3 hrs

**Prerequisites:** Six hours of graduate computer science courses and department permission

### **COSC 612 - Parallel Algorithms**

A course in design and analysis of algorithms for parallel programming. Sorting, searching, matrix multiplication, graph theory and other fundamental areas of computation are considered for parallel program design.

**Credit Hours:** 3 hrs

**Prerequisites:** COSC 511

**Last Updated:** Links 05/2011

### **COSC 616 - Algorithms in Bioinformatics**

Coverage of fundamental algorithmic techniques used to solve problems in bioinformatics, relating to DNA sequences, microarrays and evolutionary computations. Also, covers intractability of biological problems, and techniques to deal with intractability.

**Credit Hours:** 3 hrs

**Prerequisites:** COSC 511 or COSC 513 or COSC 541 or COSC 576

**Last Updated:** Links 05/2011

### **COSC 623 - Advanced Operating Systems**

Selected topics from areas such as concurrent processing, memory management, resource allocation and scheduling, multiprocessing and multiprogramming, protection, performance evaluation and modeling will be covered in depth.

**Credit Hours:** 3 hrs

**Prerequisites:** COSC 314 and COSC 423

**Last Updated:** Links 05/2011

### **COSC 625 - Real Time Processing**

An introduction to the problems, concepts and techniques involved in computer systems that must interface with external devices; computer characteristics needed for real time use, operating system considerations, analog signal processing and conversion, and inter-computer communication. Students will be involved in several laboratory projects involving a mini- or microcomputer system.

**Credit Hours:** 3 hrs

**Prerequisites:** COSC 423 and either COSC 422 or COSC 523

**Last Updated:** Links 05/2011

## **COSC 631 - eCommerce and Web Database Infrastructure**

This course involves the study of the technical details necessary for building electronic commerce systems and web databases. Such technical details include the operating system, Web and database servers, client/server communications, security issues, audit trails, payment systems and modern Web application programming languages.

**Credit Hours:** 3 hrs

**Prerequisites:** COSC 436 or COSC 439 or COSC 471 or COSC 522 or COSC 571

**Last Updated:** Links 05/2011

## **COSC 639 - Continuous Enrollment**

Graduate students who are completing research (Master's or Specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **COSC 645 - Advanced Compiler Construction**

An introduction to the major methods of compiler implementation. These include: lexical analysis, LL and LR parsing, semantic analysis and code generation, error detection and recovery, and code optimization. Compiler engineering techniques including portability, validation and the use of automated compiler-writing tools are also studied. Course project will involve implementation of a compiler.

**Credit Hours:** 3 hrs

**Prerequisites:** COSC 445 and COSC 541

**Last Updated:** Links 05/2011

## **COSC 653 - Software Requirements Engineering**

This course teaches the student how to determine clients' software needs, formally specify operations and data, quantitatively assess risks involved in a software project, estimate resources necessary to create software, coordinate a requirements team, measure and evaluate requirements documents, and investigate current research issues in this field.

**Credit Hours:** 3 hrs

**Prerequisites:** COSC 481 or COSC 581

**Last Updated:** Links 05/2011

## **COSC 661 - Automated Reasoning**

A theoretical and practical survey of different reasoning techniques, both classical and nonclassical, and methods for implementing them as computer programs. Topics will include resolution proofs, fuzzy logic, nonmonotonic reasoning, default reasoning and uncertainty measures. Applications will include expert systems.

**Credit Hours:** 3 hrs

**Prerequisites:** COSC 561 or COSC 461

**Last Updated:** Links 05/2011

## **COSC 662 - Seminar**

A graduate-level seminar in specialized concentration areas.

**Credit Hours:** 1 hr

**Prerequisites:** eight hours of graduate computer science courses and department permission

### **COSC 663 - Fuzzy Logic and Design of Fuzzy Systems**

An applied and theoretical treatment of fuzzy logic concepts. Discrete and continuous representations of fuzzy sets and fuzzy operations. Types of fuzzy reasoning, their computational and logic consistency, and stability in fuzzy systems. Design of fuzzy systems in a variety of case studies such as controllers, traffic simulations, pattern recognition.

**Credit Hours:** 3 hrs

**Prerequisites:** COSC 511 or COSC 513 or COSC 541

**Last Updated:** Links 05/2011

### **COSC 667 - Machine Learning and Data Mining**

Introduction to the theory and practice of automated data discovery and inference over large data sets. Students will implement various automated learning algorithms and learn the impact of inductive bias, overfitting and data representation on these algorithms. Applications covered include information retrieval, genetic sequencing and Web based mining.

**Credit Hours:** 3 hrs

**Prerequisites:** (MATH 120, MATH 360 and COSC 471) or COSC 561 or department permission

**Last Updated:** Links 05/2011

### **COSC 671 - Advanced Topics in DBMS**

Advanced topics in database principles. Higher normalizations, query optimization, triggers and active databases, transaction control, object-oriented database model, issues in distributed and parallel database, multidimensional indexing, inexact indexing.

**Credit Hours:** 3 hrs

**Prerequisites:** COSC 471 or COSC 571

**Last Updated:** Links 05/2011

### **COSC 679 - Special Topics**

A graduate level course in a specific area of computer science to be determined by the field of specialization of the instructor and the interest of the students.

**Credit Hours:** 1 hr

**Prerequisites:** 12 hours of graduate computer science courses and department permission

### **COSC 680 - Special Topics**

A graduate level course in a specific area of computer science to be determined by the field of specialization of the instructor and the interest of the students.

**Credit Hours:** 2 hrs

**Prerequisites:** 12 hours of graduate computer science courses and department permission

### **COSC 681 - Special Topics**

A graduate level course in a specific area of computer science to be determined by the field of specialization of the instructor and the interest of the students.

**Credit Hours:** 3 hrs

**Prerequisites:** 12 hours of graduate computer science courses and department permission

### **COSC 683 - Software Engineering Practicum**

Working in a software project team, students will develop a large software system, carrying the project through from requirements analysis to acceptance testing. Teams will analyze "live" problems, that is, projects selected for their functionality to the user(s) involved. This is a laboratory course with formal class meetings only for the distribution of projects.

**Credit Hours:** 3 hrs

**Prerequisites:** 18 hours of graduate computer science courses and department permission

### **COSC 685 - Software Quality Assurance**

This course covers various techniques for assessing the quality of software. Topics include types of testing techniques, inspection and technical review, complexity measures and test planning, design and execution. An introduction to one or more software testing automation tools will also be covered.

**Credit Hours:** 3 hrs

**Prerequisites:** COSC 481 or COSC 581

**Last Updated:** Links 05/2011

### **COSC 690 - Thesis**

Intensive research into a computer science problem and the preparation of a report consistent in substance and form with the standards of the discipline.

**Credit Hours:** 1 hr

**Prerequisites:** 18 hours of graduate computer science courses and department permission

### **COSC 691 - Thesis**

Intensive research into a computer science problem and the preparation of a report consistent in substance and form with the standards of the discipline.

**Credit Hours:** 2 hrs

**Prerequisites:** 18 hours of graduate computer science courses and department permission

### **COSC 692 - Thesis**

Intensive research into a computer science problem and the preparation of a report consistent in substance and form with the standards of the discipline.

**Credit Hours:** 3 hrs

**Prerequisites:** 18 hours of graduate computer science courses and department permission

### **COSC 694 - Research Project**

**Credit Hours:** 3 hrs

**Last Updated:** New Course 02/2012, effective Winter 2012

### **COSC 697 - Independent Study**

An intensive study of a problem or implementation of a project under the direction of a member of the computer science faculty.

**Credit Hours:** 1 hr

**Prerequisites:** 12 hours of graduate computer science courses and department permission

### **COSC 698 - Independent Study**

An intensive study of a problem or implementation of a project under the direction of a member of the computer science faculty.

**Credit Hours:** 2 hrs

**Prerequisites:** 12 hours of graduate computer science courses and department permission

### **COSC 699 - Independent Study**

An intensive study of a problem or implementation of a project under the direction of a member of the computer science faculty.

**Credit Hours:** 3 hrs

**Prerequisites:** 12 hours of graduate computer science courses and department permission

# Economics Programs and Courses

## Economics

### Graduate Certificate

### Graduate Certificate in Medical Economics (CMECN)

Adviser: David Crary, Ph.D.  
703G Pray-Harrold  
734.487.0001  
dcrary@emich.edu

This program will prepare students to:

1. Understand the application of economic principles to medical care issues.
2. Understand the role of economic forces underlying the transformation of the medical care system.
3. Explain the economic aspects and implications of contractual relationships between patients, providers and insurers.
4. Evaluate the quality, effectiveness and cost of medical care.
5. Understand the economic structure of the health care industry and how it affects the financing and delivery of medical care.

Except for ECON 500, credits earned in this certificate program may be subsequently be counted toward the MA in Health Economics.

#### Admission Requirements

To be eligible for the graduate certificate program in medical economics, a student must have a bachelor's degree from an accredited university with a minimum grade point average of 2.7 on a 4.0 scale.

#### Required Courses: 9 hours

- ECON 500 - Foundations of Economics Analysis 3 hrs
- ECON 530 - Health Economic Analysis 3 hrs
- ECON 535 - Issues and Techniques in Medical Economics 3 hrs

#### Elective Courses: 6 hours

*Choose six hours from the following:*

- ECON 501 - Macroeconomic Theory and Policy 3 hrs
- ECON 502 - Microeconomic Theory and Policy 3 hrs
- ECON 536 - Advanced Health Economics 3 hrs
- ECON 537 - Microeconometrics in Healthcare 3 hrs
- ECON 592 - Special Topics 3 hrs

- HLAD 510 - Medical Care Organization 3 hrs
- HLAD 511 - Health Law 3 hrs
- HLAD 512 - Reimbursement for Health Care Services 3 hrs

## Note:

*\* This requirement is waived for students who have taken ECON 201 and ECON 202 or equivalent courses. If ECON 500 is waived, the student selects three elective courses.*

## Master's

### Master of Arts in Applied Economics (ECNA)

Adviser: David Crary, Ph.D.  
 703G Pray-Harrold  
 734.487.0001  
 dcrary@emich.edu

This program provides an organized and carefully developed study of applied economics. While the program satisfies the general education requirements of the economics profession, it seeks to meet the need for empirically oriented applied economists. In addition to the sequence of core courses, the program stresses research opportunities and the use of quantitative approaches. Extensive application of computer techniques is integral to the program.

Students develop expertise in hypothesis testing and model building for the analysis of complex public policy issues such as monetary and fiscal policy, consumer and business behavior, health care analysis, modeling, and forecasting.

#### Degree Requirements

In addition to satisfying general Graduate School requirements, the student must satisfactorily complete the following course requirements:

### Course Requirements:

The M.A. in Applied Economics requires 30 hours of course work to be distributed among required courses, restricted elective courses and elective courses as follows:

### Required Courses: 18 hours

*\* NOTE: These courses must be completed with a grade of B- or better.*

- ECON 511 - Mathematical Economics 3 hrs
- ECON 514 - Econometric Analysis 3 hrs
- ECON 601 - Macroeconomic Analysis 3 hrs
- ECON 602 - Microeconomic Analysis 3 hrs
- ECON 606 - Macroeconometrics and Time-Series Analysis 3 hrs

### Select Option I, Option II or Option III:

#### Option I:



- ECON 604 - Research Seminar in Economics 3 hrs

### Option II:

- ECON 699 - Independent Study 3 hrs  
in which the student writes a supervised research (M.A.) paper under the direction of a faculty member.

### Option III:

- ECON 692 - Thesis 3 hrs

## Restricted Elective Course: 6 hours

*Two courses from the following:*

- ECON 510 - Applied Economic Statistics 3 hrs
- ECON 515 - Econometrics Analysis II 3 hrs
- ECON 545 - Econometric Forecasting and Policy Analysis 3 hrs

## Elective Courses: 6 hours

*Six hours of graduate economics or related cognates with permission of the graduate adviser.*

## Program Total 30 hours

## Undergraduate Courses for Graduate Credit: Economics

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form from the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- ECON 406 - History of Economic Thought 3 hrs

## Master of Arts in Economics (ECN)

Adviser: David Crary, Ph.D.  
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dcrary@emich.edu

The Master of Arts in Economics provides a basic understanding of the theoretical foundations and analytical tools that students need in order to be successful researchers, business leaders, economic consultants, and government policy analysts. The program exposes students to a variety of areas of economic study through course work, independent study and research. The general program enables students to choose any mix of elective courses in economics (with up to six hours of cognates upon approval) that meet their career goals.

### **Degree Requirements**

In addition to satisfying general Graduate School requirements, the student must satisfactorily complete the following course requirements.

## **Course Requirements:**

The M.A. in Economics requires 30 hours of course work to be distributed among required courses and program courses as follows:

### **Required Courses: 15 hours**

*\* NOTE: These courses must be completed with a grade of B- or better.*

- ECON 511 - Mathematical Economics 3 hrs
- ECON 514 - Econometric Analysis 3 hrs
- ECON 601 - Macroeconomic Analysis 3 hrs
- ECON 602 - Microeconomic Analysis 3 hrs

### **Select from either Option I, Option II, or Option III:**

#### **Option I:**

- ECON 604 - Research Seminar in Economics 3 hrs

#### **Option II:**

- ECON 699 - Independent Study 3 hrs  
in which the student writes a supervised research (M.A.) paper under the direction of a faculty member.

#### **Option III:**

- ECON 692 - Thesis 3 hrs

### **Restricted Elective Course: 15 hours**

*In consultation with the graduate adviser, student may select 15 credit hours of graduate economics, with up to six hours of approved cognate substitutions.*

### **Program Total 30 hours**

## **Undergraduate Courses for Graduate Credit: Economics**

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form from the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- ECON 406 - History of Economic Thought 3 hrs

## **Master of Arts in Health Economics (ECNH)**

Adviser: David Crary, Ph.D.  
703G Pray-Harrold  
734.487.0001  
dcrary@emich.edu

The Master of Arts in Health Economics provides a basic understanding of the theoretical foundations and tools of economic analysis so that students gain competence in economic theory and its uses. The program exposes students to a variety of areas of economic study through course work, independent study and research. In addition, this program provides students with quantitative and computer skills that can be used to do analysis for health organizations and consulting firms that advise health organizations.

### **Degree Requirements**

In addition to satisfying general Graduate School requirements, the student must satisfactorily complete the following course requirements.

### **Course Requirements:**

The M.A. in Health Economics requires 30 hours of course work to be distributed among required courses and program courses as follows:

### **Required Courses: 21 hours**

*\* NOTE: These courses must be completed with a grade of B- or better.*

- ECON 514 - Econometric Analysis 3 hrs
- ECON 530 - Health Economic Analysis 3 hrs
- ECON 536 - Advanced Health Economics 3 hrs

### **Choose one course from the following:**

- ECON 501 - Macroeconomic Theory and Policy 3 hrs
- ECON 601 - Macroeconomic Analysis 3 hrs

### **Choose one course from the following:**

- ECON 502 - Microeconomic Theory and Policy 3 hrs
- ECON 602 - Microeconomic Analysis 3 hrs

### **Choose one course from the following:**

- ECON 511 - Mathematical Economics 3 hrs

- ECON 537 - Microeconometrics in Healthcare 3 hrs

### Choose one course from the following:

- ECON 604 - Research Seminar in Economics 3 hrs
- ECON 692 - Thesis 3 hrs
- ECON 699 - Independent Study 3 hrs  
in which the student writes a supervised research (M.A.) paper under the direction of a faculty member.

### Restricted Elective Course: 9 hours

#### Three hours from the following:

- HLAD 510 - Medical Care Organization 3 hrs
- HLAD 511 - Health Law 3 hrs
- HLAD 512 - Reimbursement for Health Care Services 3 hrs

#### Six hours from the following:

- ECON 515 - Econometrics Analysis II 3 hrs
- ECON 517 - Economic Analysis of Law 3 hrs
- ECON 520 - Analytic Labor Economics 3 hrs
- ECON 550 - Public Finance: Analysis and Policy 3 hrs
- ECON 555 - Cost-Benefit Analysis Theory and Practice 3 hrs
- ECON 560 - Economics of Industrial Organization 3 hrs
- ECON 606 - Macroeconometrics and Time-Series Analysis 3 hrs
- ECON 697 - Independent Study 1 hr
- ECON 698 - Independent Study 2 hrs
- ECON 699 - Independent Study 3 hrs

### Program Total: 30 hours

### Undergraduate Courses for Graduate Credit: Economics

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form from the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- ECON 406 - History of Economic Thought 3 hrs

### Note:

ECON 511, ECON 601 and ECON 602 are recommended options for students with extensive undergraduate study in economics.

# Master of Arts in International Economics and Development (ECNI)

Adviser: David Crary, Ph.D.  
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This program provides a basic understanding of the theoretical foundations and tools of economic analysis, enabling students to gain competence in economic theory and its uses. The program exposes students to a variety of areas of economic study through course work, independent study and research. In addition, this program prepares students for technical careers (e.g. research and/or consulting for government and private business) in the fields of international economics and economic development.

## Degree Requirements

In addition to satisfying general Graduate School requirements, the student must satisfactorily complete the following course requirements.

## Course Requirements:

The M.A. in International Economics and Development requires 30 hours of course work to be distributed among required courses and program courses as follows:

## Required Courses: 15 hours

*\* NOTE: These courses must be completed with a grade of B- or better.*

- ECON 511 - Mathematical Economics 3 hrs
- ECON 514 - Econometric Analysis 3 hrs
- ECON 601 - Macroeconomic Analysis 3 hrs
- ECON 602 - Microeconomic Analysis 3 hrs

## Select from option I, option II or option III:

### Option I:

- ECON 604 - Research Seminar in Economics 3 hrs

### Option II:

- ECON 699 - Independent Study 3 hrs  
in which the student writes a supervised research (M.A.) paper under the direction of a faculty member.

### Option III:

- ECON 692 - Thesis 3 hrs

## Restricted Elective Courses: 15 hours

*Fifteen hours from the following:*

- Other adviser-approved electives (0-3 hrs)
- ECON 561 - Economics of Multinational Enterprise 3 hrs
- ECON 580 - International Trade and Theory 3 hrs
- ECON 581 - The International Monetary System 3 hrs
- ECON 585 - Economic Growth and Development 3 hrs
- ECON 586 - Economic Planning 3 hrs
- ECON 587 - Case Studies in Economic Development 3 hrs
- ECON 681 - Special Topics 3 hrs

**Program Total: 30 hours**

## Undergraduate Courses for Graduate Credit: Economics

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form from the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- ECON 406 - History of Economic Thought 3 hrs

## Master of Arts in Trade and Development (TRDV)

Adviser: David Crary, Ph.D.  
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dcrary@emich.edu

Rapidly growing international trade, increasing complexity of world financial markets and the collision of economic development with environmental problems place special demands on economists engaged in international business and public policy making. Some Master's degree programs provide training in business or foreign language, or some combination of these, but the economics components of these programs are often minimal and insufficient. Alternately, many Master's programs in economics are designed chiefly to serve students with strong analytic skills. By contrast, the Master of Arts in Trade and Development offers comprehensive training in international trade and economic development, while stressing applications and policy issues relevant to nontechnical careers in international business and government service.

### Admission Requirements

#### Degree Admission

Degree admission is available to applicants who:

1. Hold a Bachelor's degree, with a major or minor in economics, from an accredited college or university, or a Bachelor's or Master's degree in business, foreign language, political science or another appropriate field;
2. Have an undergraduate GPA of at least 2.7 on a 4.0 scale; and
3. Satisfy undergraduate course requirements including at least one course in economics and the equivalent of MATH 118 and ECON 310.

**Conditional Admission**

Conditional admission may be granted to otherwise academically promising applicants who do not meet the above stated standards. Conditionally admitted students must overcome specified deficiencies in order to have their status changed to degree admission. No more than 12 hours of graduate course work in economics taken by students on conditional status may be applied toward the M.A. degree.

**Degree Requirements**

In addition to satisfying general Graduate School requirements, the student must satisfactorily complete the following course requirements:

**Course Requirements:**

The M.A. in Trade and Development requires 30 hours of course work to be distributed among required courses and restricted elective courses as follows:

**Required Courses: 24 hours**

*\* NOTE: These courses must be completed with a B- or better.*

- ECON 501 - Macroeconomic Theory and Policy 3 hrs
- ECON 502 - Microeconomic Theory and Policy 3 hrs
- ECON 508 - International Trade 3 hrs
- ECON 509 - International Monetary Economics 3 hrs
- ECON 514 - Econometric Analysis 3 hrs
- ECON 561 - Economics of Multinational Enterprise 3 hrs
- ECON 585 - Economic Growth and Development 3 hrs

**Select Option I, Option II, or Option III:****Option I:**

- ECON 604 - Research Seminar in Economics 3 hrs

**Option II:**

- ECON 699 - Independent Study 3 hrs  
in which the student writes a supervised research (M.A.) paper under the direction of a faculty member.

**Option III:**

- ECON 692 - Thesis 3 hrs

**Elective Courses: 6 hours**

*Six hours from the following:*

- Economics courses available for graduate credit (3 hrs each)

- FIN 540 - International Finance 3 hrs

Program Total: 30 hours

## Undergraduate Courses for Graduate Credit: Economics

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form from the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- ECON 406 - History of Economic Thought 3 hrs

## Economics

### ECON 406 - History of Economic Thought

A review of the development of economic thought from the age of mercantilism to present times, with the particular emphasis on landmark contributions of writers such as Adam Smith, Karl Marx, Alfred Marshall, J. M. Keynes and significant 20th-century economists.

**Credit Hours:** 3 hrs

**Prerequisites:** ECON 201 or ECON 202

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

### ECON 500 - Foundations of Economics Analysis

A study of microeconomics, macroeconomics and international trade designed for graduate students who have not taken economics at the undergraduate level. Topics include supply and demand analysis, elasticity, profit maximization, market structure, market failure, unemployment, inflation, fiscal and monetary policy, and international economics.

**Credit Hours:** 3 hrs

### ECON 501 - Macroeconomic Theory and Policy

National income analysis, employment theory, monetary theory and practice, and their application to economic policy. Not open to students who have had ECON 301.

**Credit Hours:** 3 hrs

**Prerequisites:** One 100-, 200-, 300- or 400-level course in economics and MATH 104

**Last Updated:** Links 06/2011

### ECON 502 - Microeconomic Theory and Policy

Analysis of the economic behavior of individuals and firms under various market conditions, the determination of relative prices, the allocation of resources and related problems. Not open to students who have had ECON 302.



**Credit Hours:** 3 hrs

**Prerequisites:** any one 100-, 200-, 300- or 400-level course in economics and MATH 104, or equivalent

**Last Updated:** Links 06/2011

## **ECON 504 - Consumer Economics**

Current economics and consumer economics concepts and issues. Topics include basic economic concepts, the Michigan Standards and Benchmarks for Economics Instruction in public schools, consumer credit issues, understanding monetary and fiscal policies and international economics. The course is designed to serve individuals who are now teaching or expect to be teaching consumer economics units in K-12 settings. Not open to economics majors.

**Credit Hours:** 2 hrs

## **ECON 505 - Collective Bargaining in Public and Private Sectors**

Study of the institutions and practices of collective bargaining in both private industry and the public sector, starting with the origins of collective bargaining in blue collar professions and the public sector, and ranging from the local school district to the federal government. Not open to economics majors.

**Credit Hours:** 3 hrs

**Prerequisites:** ECON 500

**Last Updated:** Links 05/2011

## **ECON 508 - International Trade**

A study of the causes and economic effects of trade; commercial policies and their effects on trade; trade issues and conflicts; and international factor movements.

**Credit Hours:** 3 hrs

**Prerequisites:** ECON 501 and ECON 502

**Last Updated:** Links 05/2011

## **ECON 509 - International Monetary Economics**

A study of the foreign exchange market, exchange rate systems, the balance of payments, macroeconomic aspects of international trade and the institutions and problems of the international monetary system.

**Credit Hours:** 3 hrs

**Prerequisites:** ECON 501 and ECON 502

**Last Updated:** Links 05/2011

## **ECON 510 - Applied Economic Statistics**

Application of statistics and quantitative analysis to economic problems, using computer techniques.

**Credit Hours:** 3 hrs

**Prerequisites:** ECON 310 or equivalent

**Last Updated:** Links 06/2011

## **ECON 511 - Mathematical Economics**

Survey of mathematical techniques used in contemporary economic analysis. Topics include applications of linear algebra, multivariable calculus, integration, differential equations, and optimization theory to micro and macro economics.

**Credit Hours:** 3 hrs

**Prerequisites:** MATH 119 or MATH 120, and ECON 301 and ECON 302, or equivalent

**Last Updated:** Links 06/2011; Course Description Change 06/2011, effective Fall 2011

## **ECON 514 - Econometric Analysis**

This course presents tools for testing and quantifying hypotheses in economics using regression techniques. Potential problems and limitations of these techniques are identified, as are methods for dealing with these problems. Students apply these tools to various topics in macroeconomics and microeconomics, using time-series and cross-section data as appropriate.

**Credit Hours:** 3 hrs

**Prerequisite/Corequisites:** ECON 201, ECON 202, ECON 310

**Equivalent Courses:** ECON 415

**Repeatable:** No

**Last Updated:** Links 05/2011

## **ECON 515 - Econometrics Analysis II**

Course addresses advanced single equations techniques and their applications to microeconomic and macroeconomic topics. Other topics include simultaneous equation systems: identification, estimation and policy evaluation; time series modeling; and, contemporary macroeconometric methodology.

**Credit Hours:** 3 hrs

**Prerequisites:** ECON 415 or equivalent

**Last Updated:** June 20, 2011

## **ECON 517 - Economic Analysis of Law**

Application of microeconomic theory to the analysis of laws and legal systems. Introduction to Game Theory within the context of property rights, contracts and dispute settlements. Some comparison of American laws with those of Europe and Japan.

**Credit Hours:** 3 hrs

**Prerequisites:** ECON 301, ECON 302 and ECON 310, or equivalent

**Last Updated:** Links 06/2011

## **ECON 520 - Analytic Labor Economics**

The course analyzes the supply and demand of labor, labor market equilibrium, including compensating wage differentials, investment in human capital, worker mobility, as well as wage inequality, labor unions and racial/gender discrimination.

**Credit Hours:** 3 hrs

**Prerequisites:** ECON 301 and ECON 302, or equivalent

**Concurrent Prerequisites:** ECON 415 or equivalent

**Last Updated:** Links 05/2011

## **ECON 527 - Women and the Economy in Comparative Perspective**

Theoretical analysis of women's labor market status. Study of labor force participation, economic restructuring, global division of labor and policy approaches. Emphasis on comparison of the United States with other industrialized countries.

**Credit Hours:** 3 hrs

**Prerequisites:** ECON 301 and ECON 302, or equivalent

**Last Updated:** Links 06/2011

## **ECON 530 - Health Economic Analysis**

This course utilizes economic theory and statistical tools to analyze the production, distribution, and utilization of health care resources. The behavior of patients, medical care providers, third-party payers, and employers in health care markets will be examined in the context of three important social health care issues: health care spending, patient access, and health outcomes.

**Credit Hours:** 3 hrs

**Prerequisite/Corequisites:** ECON 502

**Last Updated:** Links 05/2011

## **ECON 534 - Regional and Urban Economics**

Examination of problems of economic adjustment and development of regions, including inner city and metropolitan areas. Mass transit, public finance, housing, economic base studies, race distribution and poverty will be examined.

**Credit Hours:** 3 hrs

**Prerequisites:** any two courses of 100-, 200-, 300-, 400- or 500-level of economics

## **ECON 535 - Issues and Techniques in Medical Economics**

Study of contemporary medical economics issues and techniques. Topics include economic aspects of managed care, risk assessment and adjustment, provider cost and quality of care profiling and outcomes and cost-effectiveness analysis.

**Credit Hours:** 3 hrs

**Prerequisites:** ECON 202 or ECON 500 or an equivalent course

**Last Updated:** Links 05/2011

## **ECON 536 - Advanced Health Economics**

Provides an analytical approach to the study of health and healthcare markets. Emphasis will be on the application of economic analysis to understand the institutional features and organization of healthcare markets, the impact of government policy on the delivery and financing of healthcare, and the ability to critically evaluate and summarize empirical research findings related to health economics.

**Credit Hours:** 3 hrs

**Prerequisites:** ECON 415 or equivalent; ECON 501 and ECON 502

**Last Updated:** Course Description and Prerequisite Change 06/2011, effective Fall 2011

## **ECON 537 - Microeconometrics in Healthcare**

Provides discussion and applications of econometric methods most commonly used in analyzing healthcare data and other microeconomic data. Topics include ANOVA, single and multi-variable linear regression, binary outcome models (logit, probit, tobit), panel data models (fixed effects and random effects), repeated measures models, count data models, two-part models, and survival analysis.

**Credit Hours:** 3 hrs

**Prerequisites:** ECON 415 or equivalent, and ECON 502

**Previously Listed as:** ECON 537

**Last Updated:** Title/Description/Prerequisite Change 06/2011, effective Fall 2011

## **ECON 540 - Monetary Economics**

The development of monetary and central banking theory; policy applications and limitations in the context of the relationships among money, prices, national income and the balance of payments.

**Credit Hours:** 3 hrs

**Prerequisites:** ECON 301 or equivalent

**Last Updated:** Links 06/2011

## **ECON 545 - Econometric Forecasting and Policy Analysis**

Economic theory and econometrics are utilized to formulate multi-equation, economic forecasting models. Models are then applied to conduct dynamic simulations for policy analysis and to forecast macro- and microeconomic activity. International effects are included in the analysis. Models will include reduced-form, structural, and VAR approaches.

**Credit Hours:** 3 hrs

**Prerequisites:** ECON 411, ECON 412, and ECON 415 or ECON 514

**Previously Listed as:** ECON 545

**Last Updated:** Links 06/2011; Title and Prerequisite Change 06/2011, effective Fall 2011

## **ECON 550 - Public Finance: Analysis and Policy**

Detailed theoretical analysis of the problems of budgeting and budget techniques; methods to evaluate expenditures, efficiency and equality considerations in tax policy; problems of stabilization policy and growth policy; and evaluation of the affect and importance of national debt.

**Credit Hours:** 3 hrs

**Prerequisites:** ECON 301 and ECON 302, or equivalent

**Last Updated:** Links 06/2011

## **ECON 551 - State and Local Government Finance**

Economic analysis of expenditures, revenues and debt management of state and local governments.

**Credit Hours:** 3 hrs

**Prerequisites:** ECON 301 and ECON 302, or equivalent

**Last Updated:** Links 06/2011

## **ECON 555 - Cost-Benefit Analysis Theory and Practice**

This course studies techniques for evaluating the costs and benefits of government programs including the distribution of these costs and benefits. Programs evaluated include large physical investments, education programs, health programs, and government regulations.

**Credit Hours:** 3 hrs

**Prerequisite/Corequisites:** ECON 301, ECON 302

**Previously Listed as:** ECON 562

**Last Updated:** 1/21/2011

## **ECON 560 - Economics of Industrial Organization**

The enterprise sector of a capitalist economy; incidence of competition and monopolistic techniques in various industries and markets; market structure, conduct and performance; mergers and concentration and public policies.

**Credit Hours:** 3 hrs

**Prerequisites:** ECON 301 and ECON 302, or equivalent

**Last Updated:** Links 06/2011

## **ECON 561 - Economics of Multinational Enterprise**

Economics of international competition and monopoly. Analysis includes studies of direct foreign investment, national economic antitrust policies and the multinational firm and its relation to trade and economic efficiency.

**Credit Hours:** 3 hrs

**Prerequisites:** ECON 301 and ECON 302, or equivalent

**Last Updated:** Links 06/2011

## **ECON 580 - International Trade and Theory**

This course analyzes the classical and modern theories of the determination of the pattern of commodity trade between nations fundamental trade theories, as well as the impact of tariffs on trade. Topics include the Ricardian and Heckscher-Ohlin trade theories, as well as the interaction of international trade with migration.

**Credit Hours:** 3 hrs

**Prerequisites:** ECON 301 and ECON 302, or equivalent

**Concurrent Prerequisites:** ECON 415 or equivalent

**Last Updated:** Links 05/2011

## **ECON 581 - The International Monetary System**

Theoretical and empirical examination of international monetary issues including the balance of payments, fixed versus flexible exchange rates, stabilization policies in an open economy, disturbance transmission mechanisms and interdependence, institutions.

**Credit Hours:** 3 hrs

**Prerequisites:** ECON 301 and ECON 302, and equivalent

**Last Updated:** Links 06/2011

## **ECON 585 - Economic Growth and Development**

Conditions, courses and consequences of growth and development; instruments of expansion and control, and important theories and models of growth. Economic growth in both the United States and underdeveloped countries.

**Credit Hours:** 3 hrs

**Prerequisites:** ECON 301 and ECON 302, or equivalent

**Last Updated:** Links 06/2011

## **ECON 586 - Economic Planning**

This course examines economic planning techniques, including macroeconomic growth models, input-output analysis and linear programming. It investigates the implementation of economic planning in developed economies, with specific reference to indicative planning and industrial policy in France and Japan.

**Credit Hours:** 3 hrs

**Prerequisites:** ECON 301 and ECON 302, or equivalent

**Last Updated:** Links 06/2011

## **ECON 587 - Case Studies in Economic Development**

Survey of economic development in selected countries or regions with emphasis on development policies, theoretical applications and economic structures of countries or regions surveyed.

**Credit Hours:** 3 hrs

**Prerequisites:** ECON 301 and ECON 302, or equivalent

**Last Updated:** Links 06/2011

## **ECON 590 - Special Topics**

An advanced-level course in a specific area of economics. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hrs

**Prerequisites:** ECON 301 and ECON 302, or equivalent

**Last Updated:** Links 06/2011

## **ECON 591 - Special Topics**

An advanced-level course in a specific area of economics. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** ECON 301 and ECON 302, or equivalent

**Last Updated:** Links 06/2011

## **ECON 592 - Special Topics**

An advanced-level course in a specific area of economics. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** ECON 301 and ECON 302, or equivalent

**Last Updated:** Links 06/2011

## **ECON 597 - Independent Study**

An intensive study of a problem or group of problems under the direction of a member of the economics faculty.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **ECON 598 - Independent Study**

An intensive study of a problem or group of problems under the direction of a member of the economics faculty.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **ECON 599 - Independent Study**

An intensive study of a problem or group of problems under the direction of a member of the economics faculty.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **ECON 601 - Macroeconomic Analysis**

Study of theoretical and empirical examination of macroeconomic theories of the determination of income, employment, the price level, interest rates and economic growth in a domestic and world economy. The course may include the Classical, Keynesian, Monetary, Rational Expectations and Real Business Cycle schools of thought.

**Credit Hours:** 3 hrs

**Prerequisites:** ECON 301 and ECON 302, or equivalent.

**Corequisites:** ECON 415 and ECON 511

**Last Updated:** Links 05/2011

### **ECON 602 - Microeconomic Analysis**

Course topics include the economic analysis of the behavior of individuals and firms, resource allocation, and determination of price and output in competitive and imperfectly competitive markets. Course also provides an introduction to game theory and decision-making under uncertainty; discussion of how to apply multivariate calculus, matrix algebra, statistics and regression analysis to microeconomic concepts.

**Credit Hours:** 3 hrs

**Prerequisites:** ECON 302, ECON 511, and ECON 415 or equivalent

**Last Updated:** Prerequisite 07/2011; Links 05/2011

### **ECON 604 - Research Seminar in Economics**

Examines selected issues of research methodology, procedures and techniques. Students conduct individual research projects, present their findings in a seminar format and submit a research paper.

**Credit Hours:** 3 hrs

**Prerequisites:** ECON 415 or equivalent

**Last Updated:** Links 05/2011

### **ECON 605 - Managerial Economics**

Managerial Economics provides analytical tools and methods of economic theory used in business management. Course focuses on the areas of decision-making under risk and uncertainty, expected utility, game theory, demand, production and cost estimation, alternative pricing policies, and investment analysis.

**Credit Hours:** 3 hrs

**Prerequisites:** ECON 310 or equivalent, ECON 301 and ECON 302

**Last Updated:** Prereq. 07/2011; Links 05/2011

## **ECON 606 - Macroeconometrics and Time-Series Analysis**

Applied Economics is a seminar course that combine macroeconomic theory and policy with time series estimation techniques that are used to estimate and evaluate macroeconomic relationships. Time series applications include testing data for unit roots and cointegration. Time series, two-step error correction, Vector Autoregression (VAR) and Vector Error Correction (VEC) models will be employed.

**Credit Hours:** 3 hrs

**Prerequisites:** ECON 301, ECON 302, ECON 601 and ECON 415, or equivalent

**Last Updated:** Prereq. and Title 07/2011; Links 05/2011

## **ECON 639 - Continuous Enrollment**

Graduate students who are completing research (Master's or Specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **ECON 679 - Special Topics**

An experimental course for contemporary topics not provided in other departmental offerings. The content will change from semester to semester. Not more than three hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

## **ECON 680 - Special Topics**

An experimental course for contemporary topics not provided in other departmental offerings. The content will change from semester to semester. Not more than three hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

## **ECON 681 - Special Topics**

An experimental course for contemporary topics not provided in other departmental offerings. The content will change from semester to semester. Not more than three hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

## **ECON 686 - Cooperative Education**



Four to six months of part- or full-time employment in a position in business, finance, government or labor that uses economic analysis. (See the Career Services Center for the availability of such positions.) The student and a faculty sponsor from the Department of Economics agree on a co-op activity, subject to the approval of the director of graduate programs in economics. A written report at the end of the employment period documents the use of economic analysis in the co-op position.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis. The credit does not apply to the economics major. Maximum number of co-op experiences is two.

## **ECON 687 - Cooperative Education**

Four to six months of part- or full-time employment in a position in business, finance, government or labor that uses economic analysis. (See the Career Services Center for the availability of such positions.) The student and a faculty sponsor from the Department of Economics agree on a co-op activity, subject to the approval of the director of graduate programs in economics. A written report at the end of the employment period documents the use of economic analysis in the co-op position.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis. The credit does not apply to the economics major. Maximum number of co-op experiences is two.

## **ECON 688 - Cooperative Education**

Four to six months of part- or full-time employment in a position in business, finance, government or labor that uses economic analysis. (See the Career Services Center for the availability of such positions.) The student and a faculty sponsor from the Department of Economics agree on a co-op activity, subject to the approval of the director of graduate programs in economics. A written report at the end of the employment period documents the use of economic analysis in the co-op position.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis. The credit does not apply to the economics major. Maximum number of co-op experiences is two.

## **ECON 690 - Thesis**

Completion of research problems and writing thesis.

**Credit Hours:** 1 hr

**Prerequisites:** approved thesis proposal

## **ECON 691 - Thesis**

Completion of research problems and writing thesis.

**Credit Hours:** 2 hrs

**Prerequisites:** approved thesis proposal

## **ECON 692 - Thesis**

Completion of research problems and writing thesis.

**Credit Hours:** 3 hrs

**Prerequisites:** approved thesis proposal

### **ECON 695 - Seminar**

A seminar in advanced economic theory or policy open only to degree students of the department.

**Credit Hours:** 3 hrs

**Prerequisites:** 12 hours toward M.A. degree

### **ECON 697 - Independent Study**

An intensive study of a problem or group of problems under the direction of a member of the economics faculty.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **ECON 698 - Independent Study**

An intensive study of a problem or group of problems under the direction of a member of the economics faculty.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **ECON 699 - Independent Study**

An intensive study of a problem or group of problems under the direction of a member of the economics faculty.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

# English Language and Literature Programs and Courses

## English Language and Literature

### Graduate Certificate

### Graduate Certificate in Language Technology (LTC)

Adviser: Veronica Grondona, Ph.D.  
612F Pray-Harrold  
734.487.0968  
vgrondona@emich.edu

Adviser: Christine Neufeld, Ph.D.  
613J Pray-Harrold  
734.487.2670  
cneufeld@emich.edu

**Required Courses: 13 hours**

#### Introductory Computer Science

- COSC 514 - Fundamentals of Computer Science I 4 hrs

#### Applied Computer Science:

*One course from the following:*

- COSC 552 - Human-Computer Interaction 3 hrs
- COSC 571 - Database Management Systems Design 3 hrs

#### Advanced Computer Science and Language Technology:

*Six credit hours from the following:*

- COSC 541 - Automata, Computability and Formal Languages 3 hrs
- COSC 561 - Artificial Intelligence 3 hrs
- \* COSC 590 - Special Topics 1 hr
- \* COSC 591 - Special Topics 2 hrs
- \* COSC 592 - Special Topics 3 hrs
- \* COSC 679 - Special Topics 1 hr
- \* COSC 680 - Special Topics 2 hrs
- \* COSC 681 - Special Topics 3 hrs
- LING 501 - Current Trends in Linguistics 3 hrs

- LING 519 - Technology for Language Documentation 3 hrs
- LING 538 - Multilingual Text Processing 3 hrs
- \* LING 590 - Special Topics 3 hrs
- \* LING 591 - Special Topics 3 hrs
- \* LING 592 - Special Topics 3 hrs

## Certificate Total: 13 hours

### Note:

*\* Special topics courses must be approved by the department*

## Undergraduate Courses for Graduate Credit: Computer Science

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- COSC 403 - Seminar and Project Design for Educators 3 hrs
- COSC 405 - Switching Theory 3 hrs
- COSC 421 - Systems Programming 3 hrs
- COSC 422 - Introduction to Microprocessors 3 hrs
- COSC 423 - Computer Operating Systems 3 hrs
- COSC 436 - Web Programming 3 hrs
- COSC 439 - Computing Network Principles 3 hrs
- COSC 444 - Foundations of Automata and Languages 3 hrs
- COSC 445 - Compiler Construction 3 hrs
- COSC 456 - Computer Graphics 3 hrs
- COSC 457 - Computer Game Programming 3 hrs
- COSC 461 - Heuristic Programming 3 hrs
- COSC 471 - Database Principles 3 hrs
- COSC 481 - Software Engineering and Senior Project 3 hrs

## Undergraduate Courses for Graduate Credit: English Language and Literature

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- CHL 450 - Children's Literature: Criticism and Response 3 hrs
- CHL 451 - Writing about Controversies in Literature for the Young 3 hrs
- CRTW 422 - Writer's Workshop 3 hrs
- CRTW 426 - Contemporary Forms 3 hrs

- ENGL 408 - Writing for Secondary Teachers 3 hrs
- ENGL 409 - Teaching English in the Secondary Schools 3 hrs
- ENGL 417 - Rhetoric and the Written Word 3 hrs
- ENGL 424 - Technical Writing 3 hrs
- ENGL 427 - Technical Editing 3 hrs
- ENGL 428 - Writing Computer Documentation 3 hrs
- ENGL 444 - Writing for the World Wide Web 3 hrs
- ENGL 487 - Cooperative Education in English 3 hrs
- ENGL 488 - Internship in Technical Writing 1 hr
- ENGL 489 - Internship in Technical Writing 2 hrs
- ENGL 490 - Internship in Technical Writing 3 hrs
- JRNL 408 - Case Studies in Public Relations 3 hrs
- JRNL 423 - Magazine Article Writing 3 hrs
- JRNL 453 - Advanced Reporting 3 hrs
- JRNL 454 - Contemporary Problems in Journalism 3 hrs
- JRNL 455 - Journalism Law and Ethics 3 hrs
- LING 401 - Introduction to Linguistic Science 3 hrs
- LING 402 - Modern English Grammar 3 hrs
- LING 415 - Women and Language 3 hrs
- LING 420 - Introduction to Phonetics and Phonology 3 hrs
- LING 421 - The History of the English Language 3 hrs
- LING 425 - Introduction to Syntax 3 hrs
- LING 426 - Topics in Linguistics 3 hrs
- LING 434 - The Linguistic Analysis of Literature 3 hrs
- LITR 400 - Narrative in Literature and Film 3 hrs
- LITR 405 - Shakespeare 3 hrs
- LITR 411 - Studies in Epic and Romance 3 hrs
- LITR 413 - The Poetry of Chaucer 3 hrs
- LITR 440 - Genre Studies 3 hrs
- LITR 443 - Women in Literature 3 hrs
- LITR 445 - Sexualities in Literature and Culture 3 hrs
- LITR 450 - Major Authors 3 hrs

## **Graduate Certificate in Teaching of Writing (CTW-AS)**

Adviser: Steven Krause, Ph.D.

613M Pray-Harrold

734.487.0985

skrause@emich.edu

### **Required Courses: 15-17 hours**

- ENGL 503 - Rhetorical Theory and the Teaching of Writing 3 hrs
- ENGL 515 - Literacy and Written Literacy Instruction 3 hrs
- ENGL 516 - Computers and Writing: Theory and Practice 3 hrs

**One course from the following:**

- ENGL 514 - Issues in Teaching Writing 3 hrs
- ENGL 596 - Teaching Composition on the College Level 3 hrs
- ENGL 675 - Eastern Michigan Writing Project Summer Institute 5 hrs

### One course from the following:

- ENGL 517 - Topics in the Teaching of Writing 3 hrs
- ENGL 518 - Topics in English Education 3 hrs

### Certificate Total: 15-17 hours

## Undergraduate Courses for Graduate Credit: English Language and Literature

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- CHL 450 - Children's Literature: Criticism and Response 3 hrs
- CHL 451 - Writing about Controversies in Literature for the Young 3 hrs
- CRTW 422 - Writer's Workshop 3 hrs
- CRTW 426 - Contemporary Forms 3 hrs
- ENGL 408 - Writing for Secondary Teachers 3 hrs
- ENGL 409 - Teaching English in the Secondary Schools 3 hrs
- ENGL 417 - Rhetoric and the Written Word 3 hrs
- ENGL 424 - Technical Writing 3 hrs
- ENGL 427 - Technical Editing 3 hrs
- ENGL 428 - Writing Computer Documentation 3 hrs
- ENGL 444 - Writing for the World Wide Web 3 hrs
- ENGL 487 - Cooperative Education in English 3 hrs
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- LING 434 - The Linguistic Analysis of Literature 3 hrs
- LITR 400 - Narrative in Literature and Film 3 hrs
- LITR 405 - Shakespeare 3 hrs
- LITR 411 - Studies in Epic and Romance 3 hrs
- LITR 413 - The Poetry of Chaucer 3 hrs
- LITR 440 - Genre Studies 3 hrs
- LITR 443 - Women in Literature 3 hrs
- LITR 445 - Sexualities in Literature and Culture 3 hrs
- LITR 450 - Major Authors 3 hrs

## Graduate Certificate in Technical Communication (TECM)

Adviser: Steven Krause, Ph.D.  
 613M Pray-Harrold  
 734.487.0985  
 skrause@emich.edu

### Objectives

The certificate program provides specialist training, at the graduate level, to individuals who wish to increase their knowledge, or obtain new knowledge, in the field of technical communication. The program addresses the needs of individuals who have been trained in other fields who wish to become technical communicators; of individuals who have been trained in English or technical communication who wish to take additional, advanced course work in the field; and of practitioners in technical communication who wish to increase their knowledge base. The program provides students with the skills they will need to work as technical communicators and/or to pursue further graduate study in technical communication.

### Admission Requirements

In addition to the Graduate School admission requirements for certificate programs, the department stipulates the following:

1. At least 18 hours of undergraduate English, excluding freshman composition, and a GPA of at least 3.0. Applicants not meeting these standards may apply for conditional admission. Further, applicants may also combine academic and professional experience in support of their application.
2. Non-native speakers of English must have a minimum score on the Test of English as a Foreign Language (TOEFL) or on the Michigan English Language Assessment Battery (MELAB). Students with TOEFL essay scores below five will be denied admission; students with TOEFL scores lower than the minimum can be considered for conditional admission, but must attain minimum scores by the end of the first semester of enrollment. See the Admissions web site at [www.emich.edu/admissions](http://www.emich.edu/admissions) for minimum scores.

### Certificate/Degree Requirements

1. A minimum of 15 credit hours of graduate course work\* in technical communication with a GPA of at least 3.0.
2. Students are encouraged to compile a portfolio of work completed in the program accompanied by a reflective essay. The portfolio and reflective essay are optional.

*\* NOTE: Advanced 400-level undergraduate courses are also available to graduate students. A maximum of three hours of approved 400-level course work may count toward the graduate certificate in technical communication. Students must submit a request form to the Graduate School to enroll in an advanced 400-level undergraduate course for graduate credit; otherwise, undergraduate credit will be awarded.*

**Required Courses: 15 hours**

- ENGL 524 - Advanced Technical Writing and Research 3 hrs

### Three courses from the following:

- ENGL 525 - Advanced Public Relations Writing 3 hrs
- ENGL 526 - Topics in Technical Communication 3 hrs
- ENGL 527 - Topics in Professional Communication 3 hrs
- STS 502 - Microcomputer Applications in Administration 3 hrs

### One course from the following:

See footnote below

- ENGL 427 - Technical Editing 3 hrs
- ENGL 428 - Writing Computer Documentation 3 hrs

## Certificate Total: 15 hours

### Note:

*As mentioned above, students may only take one advanced 400-level class for graduate credit for this certificate; therefore, they cannot take both ENGL 427 and ENGL 428 for graduate credit. They must take one or the other of these classes.*

## Undergraduate Courses for Graduate Credit: English Language and Literature

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- CHL 450 - Children's Literature: Criticism and Response 3 hrs
- CHL 451 - Writing about Controversies in Literature for the Young 3 hrs
- CRTW 422 - Writer's Workshop 3 hrs
- CRTW 426 - Contemporary Forms 3 hrs
- ENGL 408 - Writing for Secondary Teachers 3 hrs
- ENGL 409 - Teaching English in the Secondary Schools 3 hrs
- ENGL 417 - Rhetoric and the Written Word 3 hrs
- ENGL 424 - Technical Writing 3 hrs
- ENGL 427 - Technical Editing 3 hrs
- ENGL 428 - Writing Computer Documentation 3 hrs
- ENGL 444 - Writing for the World Wide Web 3 hrs
- ENGL 487 - Cooperative Education in English 3 hrs
- ENGL 488 - Internship in Technical Writing 1 hr
- ENGL 489 - Internship in Technical Writing 2 hrs
- ENGL 490 - Internship in Technical Writing 3 hrs



- JRNL 408 - Case Studies in Public Relations 3 hrs
- JRNL 423 - Magazine Article Writing 3 hrs
- JRNL 453 - Advanced Reporting 3 hrs
- JRNL 454 - Contemporary Problems in Journalism 3 hrs
- JRNL 455 - Journalism Law and Ethics 3 hrs
- LING 401 - Introduction to Linguistic Science 3 hrs
- LING 402 - Modern English Grammar 3 hrs
- LING 415 - Women and Language 3 hrs
- LING 420 - Introduction to Phonetics and Phonology 3 hrs
- LING 421 - The History of the English Language 3 hrs
- LING 425 - Introduction to Syntax 3 hrs
- LING 426 - Topics in Linguistics 3 hrs
- LING 434 - The Linguistic Analysis of Literature 3 hrs
- LITR 400 - Narrative in Literature and Film 3 hrs
- LITR 405 - Shakespeare 3 hrs
- LITR 411 - Studies in Epic and Romance 3 hrs
- LITR 413 - The Poetry of Chaucer 3 hrs
- LITR 440 - Genre Studies 3 hrs
- LITR 443 - Women in Literature 3 hrs
- LITR 445 - Sexualities in Literature and Culture 3 hrs
- LITR 450 - Major Authors 3 hrs

## Master's

### Master of Arts in Children's Literature (CHL)

Adviser: Annette Wannamaker, Ph.D.  
 612 Pray-Harrod  
 734.487.4220  
 awannamak@emich.edu

#### Objectives

The M.A. in Children's Literature is designed to provide master's level competency in all major areas of children's literature, including folklore, mythology, literary theory, illustrated texts and multicultural children's literature.

The degree is an appropriate choice for candidates who anticipate teaching on the elementary, middle, or junior high school levels, as well as special education teachers, reading specialists, librarians, authors and editors of children's books. It also provides preparation for college teachers of children's literature and for those who anticipate undertaking doctoral studies.

#### Program Requirements

A candidate completes a major of 21 hours in the department's courses in children's literature.

#### Required Courses: 21 hours

- CHL 516 - Introduction to Graduate Studies in Children's Literature 3 hrs
- CHL 585 - Children's Literature: Criticism and Response 3 hrs

Five courses from the following:

- CHL 517 - Children's Literature for Teachers 3 hrs
- CHL 518 - History of Children's Literature 3 hrs
- CHL 581 - Critical Approaches to Mythology 3 hrs
- CHL 582 - Folktales, Legends and Ballads 3 hrs
- CHL 583 - Children's Illustrated Texts 3 hrs
- CHL 584 - Literature for Adolescents 3 hrs
- CHL 586 - Multicultural Children's Literature 3 hrs
- CHL 587 - Children's Media Studies 3 hrs
- CHL 588 - Topics in Children's Literature 3 hrs

## Elective Courses: 0-9 hours

*Select additional children's literature courses from the above list or appropriate courses in literature, writing, linguistics or thesis.*

## Cognate Courses: 0-6 hours

*Select in consultation with the program coordinator.*

## Program Total: 30 hours

## M.A. Examination

During the semester before graduation, a candidate is required to pass a written examination in children's literature covering a broad spectrum of periods, genres and critical theory. A new list of works is posted each September.

## Undergraduate Courses for Graduate Credit: English Language and Literature

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- CHL 450 - Children's Literature: Criticism and Response 3 hrs
- CHL 451 - Writing about Controversies in Literature for the Young 3 hrs
- CRTW 422 - Writer's Workshop 3 hrs
- CRTW 426 - Contemporary Forms 3 hrs
- ENGL 408 - Writing for Secondary Teachers 3 hrs
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- ENGL 424 - Technical Writing 3 hrs
- ENGL 427 - Technical Editing 3 hrs
- ENGL 428 - Writing Computer Documentation 3 hrs
- ENGL 444 - Writing for the World Wide Web 3 hrs
- ENGL 487 - Cooperative Education in English 3 hrs

- ENGL 488 - Internship in Technical Writing 1 hr
- ENGL 489 - Internship in Technical Writing 2 hrs
- ENGL 490 - Internship in Technical Writing 3 hrs
- JRNL 408 - Case Studies in Public Relations 3 hrs
- JRNL 423 - Magazine Article Writing 3 hrs
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- JRNL 454 - Contemporary Problems in Journalism 3 hrs
- JRNL 455 - Journalism Law and Ethics 3 hrs
- LING 401 - Introduction to Linguistic Science 3 hrs
- LING 402 - Modern English Grammar 3 hrs
- LING 415 - Women and Language 3 hrs
- LING 420 - Introduction to Phonetics and Phonology 3 hrs
- LING 421 - The History of the English Language 3 hrs
- LING 425 - Introduction to Syntax 3 hrs
- LING 426 - Topics in Linguistics 3 hrs
- LING 434 - The Linguistic Analysis of Literature 3 hrs
- LITR 400 - Narrative in Literature and Film 3 hrs
- LITR 405 - Shakespeare 3 hrs
- LITR 411 - Studies in Epic and Romance 3 hrs
- LITR 413 - The Poetry of Chaucer 3 hrs
- LITR 440 - Genre Studies 3 hrs
- LITR 443 - Women in Literature 3 hrs
- LITR 445 - Sexualities in Literature and Culture 3 hrs
- LITR 450 - Major Authors 3 hrs

## Master of Arts in Creative Writing (CW)

Adviser: Carla Harryman, PhD.  
 614C Pray Harrold  
 734.487.3173  
 charryma@emich.edu

### Objectives

This program provides advanced, individualized work in creative writing and contemporary studies. It prepares writers to continue their creative work and to teach creative writing, English, humanities or contemporary studies.

Applicants must submit a portfolio of their creative writing and meet the general requirements for admission to the graduate program in English language and literature. The portfolio may replace part of the 24 hours of undergraduate course work in English.

### Course Requirements:

The M.A. in Creative Writing requires 30 hours of course work to be distributed among required courses, restricted elective courses and cognate courses as follows:

### Required Courses: 18 hours

- CRTW 506 - Contemporary Forms 3 hrs

- CRTW 550 - Community Outreach for Creative Writers 3 hrs
- ENGL 693 - Master's Writing Project 3 hrs

### Nine hours from the following:

- CRTW 522 - Writing Workshop 3 hrs
- CRTW 523 - Writing Workshop: Poetry 3 hrs
- CRTW 524 - Writing Workshop: Fiction 3 hrs
- CRTW 525 - Writing Workshop: Creative Nonfiction 3 hrs
- CRTW 526 - Writing Workshop: Sound Poetry 3 hrs
- CRTW 527 - Writing Workshop: The Lyric Essay 3 hrs
- CRTW 528 - Writing Workshop: Interactive Narrative 3 hrs
- CRTW 529 - Writing Workshop: Mixed Media 3 hrs

### Elective Courses: 12 hours

### Literature Courses: 6 hours

*Select six hours from the following in consultation with an adviser:*

- LITR 526 - Studies in African American Literature to 1945 3 hrs
- LITR 566 - Studies in 20th Century British Fiction 3 hrs
- LITR 567 - Studies in Commonwealth Literature 3 hrs
- LITR 576 - Studies in 20th Century American Fiction 3 hrs
- LITR 580 - Studies in Contemporary Literary Trends 3 hrs

### Cognate Courses: 6 hours

*Six hours selected in consultation with the graduate coordinator. Courses from any area of contemporary studies — art, foreign language literature, music, history, philosophy, etc.*

### Program Total: 30 hours

## Undergraduate Courses for Graduate Credit: English Language and Literature

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- CHL 450 - Children's Literature: Criticism and Response 3 hrs
- CHL 451 - Writing about Controversies in Literature for the Young 3 hrs
- CRTW 422 - Writer's Workshop 3 hrs
- CRTW 426 - Contemporary Forms 3 hrs

- ENGL 408 - Writing for Secondary Teachers 3 hrs
- ENGL 409 - Teaching English in the Secondary Schools 3 hrs
- ENGL 417 - Rhetoric and the Written Word 3 hrs
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- LING 415 - Women and Language 3 hrs
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- LING 421 - The History of the English Language 3 hrs
- LING 425 - Introduction to Syntax 3 hrs
- LING 426 - Topics in Linguistics 3 hrs
- LING 434 - The Linguistic Analysis of Literature 3 hrs
- LITR 400 - Narrative in Literature and Film 3 hrs
- LITR 405 - Shakespeare 3 hrs
- LITR 411 - Studies in Epic and Romance 3 hrs
- LITR 413 - The Poetry of Chaucer 3 hrs
- LITR 440 - Genre Studies 3 hrs
- LITR 443 - Women in Literature 3 hrs
- LITR 445 - Sexualities in Literature and Culture 3 hrs
- LITR 450 - Major Authors 3 hrs

## Master of Arts in English Linguistics (LING)

Adviser: Veronica Grondona, Ph.D.

612F Pray-Harrold

734.487.0968

vgrondona@emich.edu

### Objectives

Linguistics is the scientific study of how languages are learned, processed, used and structured; it investigates why and how languages change, and what status they have in social life. Linguistics is important to social and cognitive psychology, native and foreign language teaching at all levels, artificial intelligence and computer science, communications, sociology and anthropology and historical accounts of human civilization. Linguists work in colleges and universities, in language instruction and educational planning, in the communications industries (including publishing), in translation services and in cross-cultural business and government agencies.

### **Program Requirements**

Students must complete those parts of the LING 401/LING 420/LING 425 sequence that were not a part of their undergraduate work. Graduate credit may be given for these courses.

In addition, each candidate must complete a thesis (LING 692) or a comprehensive examination, including questions from general linguistics and specialized area(s) chosen by the candidate.

## **Course Requirements:**

The M.A. in English Linguistics requires 30 hours of course work to be distributed among restricted elective courses and elective courses as follows:

### **Restricted Elective Courses: 18 hours**

*Six courses from the following:*

- LING 501 - Current Trends in Linguistics 3 hrs
- LING 502 - History of Linguistics 3 hrs
- LING 510 - Historical and Comparative Linguistics 3 hrs
- LING 519 - Technology for Language Documentation 3 hrs
- LING 525 - Syntactic Analysis 3 hrs
- LING 531 - Semantics: The Study of Meaning 3 hrs
- LING 532 - Sociolinguistics 3 hrs
- LING 533 - General Psycholinguistics 3 hrs
- LING 534 - Phonological Analysis 3 hrs
- LING 535 - Discourse Analysis 3 hrs
- LING 536 - Typology and Universals of Language 3 hrs
- LING 538 - Multilingual Text Processing 3 hrs
- LING 592 - Special Topics 3 hrs

### **Elective Courses: 12 hours**

*Thesis plan students will take three of these hours in LING 692 - Thesis. Suggested areas include anthropology, composition and rhetoric, linguistics courses not taken above, literature (particularly the early periods), mathematics and computer science, psychology, reading, sociology, speech and hearing science and TESOL. With adviser's approval.*

### **Program Total: 30 hours**

## **TESOL Program**

Students interested in practical applications of English linguistics are also advised to consult the master of arts program in teaching English to speakers of other languages (TESOL) offered by the Department of World Languages.

## **Undergraduate Courses for Graduate Credit: English Language and Literature**

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- CHL 450 - Children's Literature: Criticism and Response 3 hrs
- CHL 451 - Writing about Controversies in Literature for the Young 3 hrs
- CRTW 422 - Writer's Workshop 3 hrs
- CRTW 426 - Contemporary Forms 3 hrs
- ENGL 408 - Writing for Secondary Teachers 3 hrs
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- ENGL 444 - Writing for the World Wide Web 3 hrs
- ENGL 487 - Cooperative Education in English 3 hrs
- ENGL 488 - Internship in Technical Writing 1 hr
- ENGL 489 - Internship in Technical Writing 2 hrs
- ENGL 490 - Internship in Technical Writing 3 hrs
- JRNL 408 - Case Studies in Public Relations 3 hrs
- JRNL 423 - Magazine Article Writing 3 hrs
- JRNL 453 - Advanced Reporting 3 hrs
- JRNL 454 - Contemporary Problems in Journalism 3 hrs
- JRNL 455 - Journalism Law and Ethics 3 hrs
- LING 401 - Introduction to Linguistic Science 3 hrs
- LING 402 - Modern English Grammar 3 hrs
- LING 415 - Women and Language 3 hrs
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- LITR 400 - Narrative in Literature and Film 3 hrs
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- LITR 440 - Genre Studies 3 hrs
- LITR 443 - Women in Literature 3 hrs
- LITR 445 - Sexualities in Literature and Culture 3 hrs
- LITR 450 - Major Authors 3 hrs

## **Master of Arts in English Studies for Teachers (EST)**

Adviser: Douglas Baker, Ph.D.  
603B Pray-Harrold

734.487.2296  
douglas.baker@emich.edu

This graduate program is intended for teachers who are interested in pursuing further studies in the teaching of English at the secondary level. Designed to offer both substantive work in the content knowledge of English studies and flexibility for practicing professionals, the program emphasizes *knowledge*, *inquiry* and *community*.

- *Knowledge*: In keeping with the interdisciplinary knowledge base that is at the center of English education, students in this program study in the areas of literature, writing and language, having the opportunity to complete course work in all these areas. Throughout this study, students also focus on pedagogical content knowledge - considering the research base, historical precedents, current conversations and controversies surrounding the teaching of English at the secondary level.
- *Inquiry*: Students are encouraged to study this knowledge base from an inquiry stance: raising important questions about how such knowledge connects to their own contexts and circumstances and pursuing their own inquiry questions from the very beginning of the program. This inquiry stance is capped off by the program's culminating project: a year-long immersion in teacher research in which students design a research question based in their own concerns and study their own teaching and their students' learning.
- *Community*: Current understandings of professional development support the notion of teacher learning communities as an important means of helping teachers both sustain new knowledge and transfer that knowledge to the classroom. In keeping with that stance, this program strives to help teachers make connections - both within the program (through a cohort group structure and structured online conversations) and as part of a larger professional community (participating in local, state and national conferences and completing a culminating project intended for publication).

In keeping with these three general emphases, the program sets the following as its goals and objectives:

1. To immerse students in ongoing professional conversations in the field of English education.
2. To invite students to reflect upon their own pedagogies and to situate them within those professional conversations.
3. To urge students to raise strategic questions about pertinent issues in teaching secondary English, especially as reflected in their own teaching and the teaching encouraged in their school districts.
4. To immerse students in further, concentrated reading in English studies, increasing their knowledge base in language, literature and writing.
5. To understand the elements of classroom-based research, so that they can begin serious study of their own classrooms.
6. To introduce students to the larger professional communities available locally and nationally: Eastern Michigan Writing Project, National Writing Project, Michigan Council of Teachers of English, National Council of Teachers of English, etc.
7. To prepare students to take leadership roles in their own schools.

To complete the program, students will demonstrate their participation in the larger professional community in two ways:

1. Presentation of their final research project at the annual Master of Arts in English Studies for Teachers Celebration Conference.
2. Attendance at two local, regional or national conferences focused on the teaching of English. Short reflective pieces about these conferences should be turned in to an adviser in the student's last semester of the program.

### **Admission Requirements**

1. Applicants must have:



- a teaching certificate in English;
  - at least two years experience in teaching; and
  - an undergraduate GPA of 3.0.
2. Applicants must submit a portfolio containing the following:
- two letters of recommendation;
  - statement of purpose describing both their philosophy of teaching English and reasons for pursuing this program;
  - a transcript; and
  - one other document which will give a better understanding of the applicant as an English teacher (i.e., a writing sample from an undergraduate class, a grant proposal, a curriculum unit, etc.).

Conditional admits are possible. In order to satisfy the condition, students must receive at least a B+ in their introductory course, ENGL 530 - Issues in English Studies for Teachers. Other expectations may be specified based on the academic backgrounds of particular students.

## Required Courses: 21 hours

- Two 3-credit courses with the *Literature for Teachers* designation
- ENGL 530 - Issues in English Studies for Teachers 3 hrs
- ENGL 535A - Teacher Research Seminar 3 hrs
- ENGL 535B - Teacher Research Seminar 3 hrs

## Choose one option from the following:

### Option I:

- ENGL 590 - Special Topics 1 hr
- ENGL 675 - Eastern Michigan Writing Project Summer Institute 5 hrs

### Option II:

- ENGL 514 - Issues in Teaching Writing 3 hrs
- ENGL 531 - Teacher as Writer 3 hrs

## Elective Courses: 9 hours

Three graduate-level courses in literature, children's literature, linguistics or writing chosen in consultation with an adviser.

## Program Total: 30 hours

## Undergraduate Courses for Graduate Credit: English Language and Literature

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- CHL 450 - Children's Literature: Criticism and Response 3 hrs
- CHL 451 - Writing about Controversies in Literature for the Young 3 hrs
- CRTW 422 - Writer's Workshop 3 hrs
- CRTW 426 - Contemporary Forms 3 hrs
- ENGL 408 - Writing for Secondary Teachers 3 hrs
- ENGL 409 - Teaching English in the Secondary Schools 3 hrs
- ENGL 417 - Rhetoric and the Written Word 3 hrs
- ENGL 424 - Technical Writing 3 hrs
- ENGL 427 - Technical Editing 3 hrs
- ENGL 428 - Writing Computer Documentation 3 hrs
- ENGL 444 - Writing for the World Wide Web 3 hrs
- ENGL 487 - Cooperative Education in English 3 hrs
- ENGL 488 - Internship in Technical Writing 1 hr
- ENGL 489 - Internship in Technical Writing 2 hrs
- ENGL 490 - Internship in Technical Writing 3 hrs
- JRNL 408 - Case Studies in Public Relations 3 hrs
- JRNL 423 - Magazine Article Writing 3 hrs
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- LING 426 - Topics in Linguistics 3 hrs
- LING 434 - The Linguistic Analysis of Literature 3 hrs
- LITR 400 - Narrative in Literature and Film 3 hrs
- LITR 405 - Shakespeare 3 hrs
- LITR 411 - Studies in Epic and Romance 3 hrs
- LITR 413 - The Poetry of Chaucer 3 hrs
- LITR 440 - Genre Studies 3 hrs
- LITR 443 - Women in Literature 3 hrs
- LITR 445 - Sexualities in Literature and Culture 3 hrs
- LITR 450 - Major Authors 3 hrs

## Master of Arts in Literature (LITR)

Adviser: Natasa Kovacevic, Ph.D.  
613B Pray-Harrold  
734.487.0976  
nkovacev@emich.edu

### **Objectives**

The M.A. in Literature provides master's-level competence in English and American literature.

The degree is appropriate for teachers on the elementary, high school or community college level and for students planning to pursue doctoral study in English or American literature. The degree provides a valuable educational background for professions where critical thinking and clear, accurate expression, combined with a knowledge of literature, are desired.

### **Program Requirements**

Students must complete a major of 18 hours in the department's courses in English and American literature (excluding children's literature, for which there is a separate degree).

## **Course Requirements:**

The M.A. in Literature requires 30 hours of course work to be distributed among required courses, major program courses, elective courses and cognate courses as follows:

### **Required Courses: 24 hours**

- LITR 510 - Critical Practices in Literary Studies 3 hrs
- LITR 511 - Literary Criticism 3 hrs

### **a) Old English, Medieval English, and Renaissance Literature: 6 hours**

*Two courses from the following:*

- LITR 512 - Middle English Literature 3 hrs
- LITR 520 - Old English Poetry 3 hrs
- LITR 530 - Studies in Chaucer 3 hrs
- LITR 540 - Elizabethan and Jacobean Drama 3 hrs
- LITR 541 - Studies in Shakespeare 3 hrs
- LITR 545 - Studies in Renaissance Literature 3 hrs

### **b) Eighteenth and Nineteenth Century Literature: 6 hours**

*Two courses from the following:*

- LITR 523 - Realism and Naturalism in American Literature 3 hrs
- LITR 561 - Studies in 18th Century Literature 3 hrs
- LITR 563 - Studies in 18th Century Fiction 3 hrs
- LITR 565 - Studies in 19th Century British Fiction 3 hrs
- LITR 568 - Studies in 19th Century American Poetry 3 hrs
- LITR 569 - The American Renaissance: 1830-1860 3 hrs
- LITR 570 - Studies in Romantic Literature 3 hrs
- LITR 575 - Studies in Victorian Literature 3 hrs

## c) Twentieth Century and Contemporary Literature: 6 hours

*Two courses from the following:*

- LITR 526 - Studies in African American Literature to 1945 3 hrs
- LITR 527 - Studies in African American Literature Since 1945 3 hrs
- LITR 566 - Studies in 20th Century British Fiction 3 hrs
- LITR 567 - Studies in Commonwealth Literature 3 hrs
- LITR 576 - Studies in 20th Century American Fiction 3 hrs
- LITR 577 - Studies in 20th Century American Poetry 3 hrs
- LITR 578 - Postcolonial Perspectives in Literature 3 hrs
- LITR 580 - Studies in Contemporary Literary Trends 3 hrs

## Elective or Cognate Courses: 6 hours

Program Total: 30 hours

## Additional Requirements:

*In addition to required coursework, the student must either take the MA exam in Literature or submit a Thesis, in order to complete degree. The Thesis option both counts as the culminating event of the degree, and gives the student three hours of credit towards the elective portion of the coursework.*

## Undergraduate Courses for Graduate Credit: English Language and Literature

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- CHL 450 - Children's Literature: Criticism and Response 3 hrs
- CHL 451 - Writing about Controversies in Literature for the Young 3 hrs
- CRTW 422 - Writer's Workshop 3 hrs
- CRTW 426 - Contemporary Forms 3 hrs
- ENGL 408 - Writing for Secondary Teachers 3 hrs
- ENGL 409 - Teaching English in the Secondary Schools 3 hrs
- ENGL 417 - Rhetoric and the Written Word 3 hrs
- ENGL 424 - Technical Writing 3 hrs
- ENGL 427 - Technical Editing 3 hrs
- ENGL 428 - Writing Computer Documentation 3 hrs
- ENGL 444 - Writing for the World Wide Web 3 hrs
- ENGL 487 - Cooperative Education in English 3 hrs
- ENGL 488 - Internship in Technical Writing 1 hr
- ENGL 489 - Internship in Technical Writing 2 hrs
- ENGL 490 - Internship in Technical Writing 3 hrs

- JRNL 408 - Case Studies in Public Relations 3 hrs
- JRNL 423 - Magazine Article Writing 3 hrs
- JRNL 453 - Advanced Reporting 3 hrs
- JRNL 454 - Contemporary Problems in Journalism 3 hrs
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- LING 401 - Introduction to Linguistic Science 3 hrs
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- LING 415 - Women and Language 3 hrs
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- LING 421 - The History of the English Language 3 hrs
- LING 425 - Introduction to Syntax 3 hrs
- LING 426 - Topics in Linguistics 3 hrs
- LING 434 - The Linguistic Analysis of Literature 3 hrs
- LITR 400 - Narrative in Literature and Film 3 hrs
- LITR 405 - Shakespeare 3 hrs
- LITR 411 - Studies in Epic and Romance 3 hrs
- LITR 413 - The Poetry of Chaucer 3 hrs
- LITR 440 - Genre Studies 3 hrs
- LITR 443 - Women in Literature 3 hrs
- LITR 445 - Sexualities in Literature and Culture 3 hrs
- LITR 450 - Major Authors 3 hrs

## **Master of Arts in Written Communication (WRCM)**

Adviser: Steven Krause, Ph.D.  
 613M Pray-Harrold  
 734.487.0985  
 skrause@emich.edu

This program prepares students for careers in professional writing, editing and publishing, or the teaching of writing at the elementary, secondary or community college levels. It also provides thorough preparation for Ph.D. studies in rhetoric and composition.

Applicants may combine academic and professional experience in support of their application.

### **Course Requirements:**

The M.A. in Written Communication requires 30-32 hours from one of the options below:

#### **Option I: Teaching and Writing:**

##### **Required Courses: 21-23 hours**

- ENGL 503 - Rhetorical Theory and the Teaching of Writing 3 hrs
- ENGL 515 - Literacy and Written Literacy Instruction 3 hrs
- ENGL 516 - Computers and Writing: Theory and Practice 3 hrs
- ENGL 621 - Research in Theory and Practice of Writing 3 hrs

One course from the following:

- ENGL 514 - Issues in Teaching Writing 3 hrs
- ENGL 675 - Eastern Michigan Writing Project Summer Institute 5 hrs

One course from the following:

- ENGL 517 - Topics in the Teaching of Writing 3 hrs
- ENGL 518 - Topics in English Education 3 hrs

One course from the following:

- ENGL 692 - Thesis 3 hrs
- ENGL 693 - Master's Writing Project 3 hrs
- ENGL 694 - Teacher Research/ Professional Writing Internship 3 hrs

**Elective Courses and Cognates: 9 hours**

*Students select from among courses in writing, linguistics, literature, reading, teaching English as a second language, communication theory, computer science, measurement and evaluation, psychology, statistics.*

**Program Total: 30-32 hours**

**Option II: Professional Writing:**

**Required Courses: 18 hours**

- ENGL 505 - Rhetoric of Science and Technology 3 hrs
- ENGL 524 - Advanced Technical Writing and Research 3 hrs
- ENGL 525 - Advanced Public Relations Writing 3 hrs
- ENGL 621 - Research in Theory and Practice of Writing 3 hrs

One course from the following:

- ENGL 526 - Topics in Technical Communication 3 hrs
- ENGL 527 - Topics in Professional Communication 3 hrs

One course from the following:

- ENGL 692 - Thesis 3 hrs
- ENGL 693 - Master's Writing Project 3 hrs
- ENGL 694 - Teacher Research/ Professional Writing Internship 3 hrs

**Elective Courses and Cognates: 18 hours**

*Students select from among courses in writing, linguistics, literature, graphic design, communication theory, computer science, science, industrial technology.*

**Program Total: 36 hours**

## **Undergraduate Courses for Graduate Credit: English Language and Literature**

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- CHL 450 - Children's Literature: Criticism and Response 3 hrs
- CHL 451 - Writing about Controversies in Literature for the Young 3 hrs
- CRTW 422 - Writer's Workshop 3 hrs
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- LITR 440 - Genre Studies 3 hrs
- LITR 443 - Women in Literature 3 hrs

- LITR 445 - Sexualities in Literature and Culture 3 hrs
- LITR 450 - Major Authors 3 hrs

## Children's Literature

### CHL 450 - Children's Literature: Criticism and Response

Practical criticism of children's literature, prose and poetry, designed to help students develop critical judgment and a clear prose style. Applies toward the minor in children's literature and the interdisciplinary major in children's literature and drama/theatre for the young.

**Credit Hours:** 3 hrs

**Prerequisites:** CHL 207

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

### CHL 451 - Writing about Controversies in Literature for the Young

This course will deal with strategies for the collection, organization and presentation of materials dealing with controversial issues in literature for young adults.

**Credit Hours:** 3 hrs

**Prerequisites:** ENGL 121 and CHL 207 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

### CHL 516 - Introduction to Graduate Studies in Children's Literature

This course is designed to prepare students for further graduate study by emphasizing research methods, writing conventions and an intensive survey of the major genres of children's literature.

**Credit Hours:** 3 hrs

### CHL 517 - Children's Literature for Teachers

A course concentrating on the value of literature for children, with discussion and demonstration of various techniques used in teaching it. Additional readings in selected genres will be required. Offered for anyone planning to work with children, preschool through grade nine.

**Credit Hours:** 3 hrs

### CHL 518 - History of Children's Literature

This course surveys the major children's authors, genres and literary movements that constitute the history of children's literature. The course also considers the history of childhood and other subjects related to children's social and intellectual development.

**Credit Hours:** 3 hrs

### CHL 581 - Critical Approaches to Mythology



An investigation of myths from many cultures, demonstrating individual responses to universal questions of human existence. Students will respond critically to the various theories of myth through their reading and analysis of myths as literature.

**Credit Hours:** 3 hrs

### **CHL 582 - Folktales, Legends and Ballads**

Reading and analysis of printed tales, legends and ballads using the tools of folklore scholarship. Students also collect and analyze oral materials.

**Credit Hours:** 3 hrs

### **CHL 583 - Children's Illustrated Texts**

This course examines different kinds of illustrated texts aimed at children and young readers. Primarily, the class looks at the picture book, its historical development, current illustrators and theories of illustration. The class also examines associated genres such as the comic book and graphic novel and consider theoretical issues concerning illustration in general.

**Credit Hours:** 3 hrs

### **CHL 584 - Literature for Adolescents**

An examination of literature for adolescents, emphasizing criteria for selection and evaluation, along with consideration of audience, genre and censorship. Students will be expected to read and respond critically to historical and contemporary literature written for adolescents.

**Credit Hours:** 3 hrs

### **CHL 585 - Children's Literature: Criticism and Response**

This course emphasizes reading and writing about children's literature and literary criticism specific to the field of children's literature. Students will gain fluency in current scholarly discussions in the discipline that will help them to enter into and take part in critical dialogues.

**Credit Hours:** 3 hrs

### **CHL 586 - Multicultural Children's Literature**

Advanced study of the literature for children and young adults by and about underrepresented groups in America, including history of multicultural writing for the young; major issues and controversies of multiculturalism; historical and cultural backgrounds of each group; and critical apparatus for the selection, interpretation and evaluation of such literature.

**Credit Hours:** 3 hrs

### **CHL 587 - Children's Media Studies**

This course examines the history and recent development of children's media studies, paying particular attention to three major genres: film, television and video games. This course looks at the technologies that support these media as well as the literary, theoretical and philosophical debates by which they are informed.

**Credit Hours:** 3 hrs

## **CHL 588 - Topics in Children's Literature**

This course focuses on a specific theme, author, genre, period or theoretical approach and allows in-depth coverage of material not possible in a survey course.

**Credit Hours:** 3 hrs

**Repeatable:** Students in the MA in Children's Literature may take this course up to two times as a part of their core program of study.

## **Creative Writing**

### **CRTW 422 - Writer's Workshop**

An advanced seminar workshop in a specific genre, sub-genre or approach to creative writing, CRTW 422 is designed to focus equally on student writing and examination of contemporary literary practices. This class is offered in a variety of topics and may be repeated for additional credit if topic is different.

**Credit Hours:** 3 hrs

**Prerequisites:** CRTW 335W

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

### **CRTW 426 - Contemporary Forms**

An advanced, reading-intensive course on contemporary and innovative forms of literature, emphasizing structural models, formal techniques and redefinitions of literary conventions.

**Credit Hours:** 3 hrs

**Prerequisites:** CRTW 422 and any 200- or 300-level LITR course

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Prerequisite Change 10/2011, effective Winter 2012; Graduate Credit 07/2011; Links 06/2011

### **CRTW 506 - Contemporary Forms**

An advanced, reading-intensive course on contemporary innovative and interdisciplinary forms of literature, emphasizing structural models, formal techniques, conceptual practices and redefinitions of literary conventions.

**Credit Hours:** 3 hrs

**Cross-listed with:** CRTW 426

**Last Updated:** Links 05/2011

### **CRTW 522 - Writing Workshop**

An advanced workshop seminar in creative writing, with sections as specified in the schedule.

**Credit Hours:** 3 hrs

**Major Restrictions:** Graduate student in English or department permission

**Repeatable:** May be repeated for credit.

### **CRTW 523 - Writing Workshop: Poetry**

An advanced workshop seminar in creative writing focusing on poetry. This course will give students the opportunity to discuss their own poetry, learn revision techniques, and engage creatively and analytically with contemporary poetry.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **CRTW 524 - Writing Workshop: Fiction**

An advanced workshop seminar in creative writing focusing on fiction. This course will give students the opportunity to discuss their own fiction, learn revision techniques and engage creatively and analytically with contemporary fiction.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **CRTW 525 - Writing Workshop: Creative Nonfiction**

An advanced workshop seminar in creative writing focusing on creative nonfiction. This course will give students the opportunity to discuss their own nonfiction, learn revision techniques, and engage creatively and analytically with contemporary creative nonfiction.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **CRTW 526 - Writing Workshop: Sound Poetry**

An advanced workshop seminar in creative writing focusing on sound poetry. Students will study the acoustic aspects of language and music or sound art as a means of creating poetry; the class is focused on student work and discussion.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **CRTW 527 - Writing Workshop: The Lyric Essay**

An advanced workshop seminar in creative writing focusing on the lyric essay. This course will introduce students to a genre that blends lyric poetry with the traditional essay; each student will write as least one extended lyric essay and present it to the class for discussion.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **CRTW 528 - Writing Workshop: Interactive Narrative**

An advanced workshop seminar in creative writing focusing on interactive narrative. Students will study existing work in hypermedia, video art, and installation as well as other narrative forms utilizing the screen such as video games and Web technologies; this class is focused on student work and class discussions.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **CRTW 529 - Writing Workshop: Mixed Media**

An advanced workshop seminar in creative writing focusing on mixed media. This course includes projects and exhibits of mixed creative work, using student writing, found text and other mixed materials in alternative book forms, hybrid texts, alternative narrative structures and collaborative installations.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission.

### **CRTW 550 - Community Outreach for Creative Writers**

A creative writing service learning course that requires participation in one semester-long, self-designed community outreach project in the language arts and critical reflection on this experience.

**Credit Hours:** 3 hrs

### **CRTW 639 - Continuous Enrollment**

Graduate students who are completing research (Master's or Specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Course is offered on a credit/no-credit basis

## **English**

### **ENGL 408 - Writing for Secondary Teachers**

A writing course for students preparing to teach in various disciplines in secondary schools. Students develop their skills as writers and learn how to teach writing in all content areas. Special focus on recent composition research, theory, and practices, and on strategies, materials and evaluation techniques.

**Credit Hours:** 3 hrs

**Prerequisites:** ENGL 300W, ENGL 328 and admission to the Initial Teacher Preparation Program or permission of the instructor. Note: 10-hour practicum required - see instructor.

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Previously Listed as:** ENGL 408 - Writing for Writing Teachers

**Course Revisions:** This course will have a title change from "Writing for Writing Teachers" to "Writing for Secondary Teachers," effective Winter 2013. The revision also includes a course description change and a prerequisite change from "ENGL 300W, ENGL 328W and admission to the Initial Teacher Preparation Program. Note: 10-hour practicum required - see instructor" to "ENGL 300W, ENGL 328W and admission to the Initial Teacher Preparation Program or permission of the instructor. Note: 10-hour practicum required - see instructor."

**Last Updated:** Title, Description and Prerequisite Change 10/2012, effective Winter 2013; Graduate Credit 07/2011; Links 06/2011

### **ENGL 409 - Teaching English in the Secondary Schools**

For secondary English education majors with focus on appropriate methods and materials for teaching language arts in grades 7-12. Special attention will be given to lesson planning, evaluation techniques and classroom management.

**Credit Hours:** 3 hrs

**Prerequisites:** CURR 305, LING 201 and one LITR course at the 300-level; taken the term before student teaching; not open to students on academic probation; must have at least a 2.75 GPA in major; admission to the teacher education program

**Concurrent Prerequisites:** ENGL 408

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

## **ENGL 417 - Rhetoric and the Written Word**

An advanced course introducing students to the concepts, principles, and approaches to classical and contemporary rhetoric and their relationship to today's written media.

**Credit Hours:** 3 hrs

**Prerequisites:** ENGL 200 and another 200-or-300-level ENGL course

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **ENGL 424 - Technical Writing**

An advanced workshop that prepares students to communicate, particularly to write, on the job.

**Credit Hours:** 3 hrs

**Prerequisites:** ENGL 324

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **ENGL 427 - Technical Editing**

Editing of technical material for publication. Principles of style, format, graphics layout and publication management.

**Credit Hours:** 3 hrs

**Prerequisites:** ENGL 324

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **ENGL 428 - Writing Computer Documentation**

An advanced writing course that introduces students to the principles of designing, preparing and testing documents common in the computer industry, particularly software documentation for users.

**Credit Hours:** 3 hrs

**Prerequisites:** COSC 101 and ENGL 324 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **ENGL 444 - Writing for the World Wide Web**

An advanced writing course focused on composing documents for publication on the World Wide Web and other electronic spaces, such as interactive CD-ROMs.

**Credit Hours:** 3 hrs

**Prerequisites:** ENGL 121 and ENGL 225, ENGL 300W or any 300-level ENGL class

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **ENGL 487 - Cooperative Education in English**

Employment for pay in a business or industry chosen to provide practical experience in the use of English skills. Work experiences generally are alternated with full-time attendance at the University.

**Credit Hours:** 3 hrs

**Prerequisites:** Admittance by application only

**Class Restrictions:** Senior standing

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

## **ENGL 488 - Internship in Technical Writing**

Optional, practical on-the-job work experience for recommended students electing an opportunity provided by the department or finding an appropriate outside opportunity subsequently approved by the intern supervisor; paid or nonpaid. One hour credit for 10-15 hours per week; two hours for 16-25 hours; three hours for 26 and above.

**Credit Hours:** 1 hr

**Prerequisites:** Recommendation of technical writing professor; ENGL 324 and cumulative 3.0 GPA

**Class Restrictions:** Junior or Senior standing

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **ENGL 489 - Internship in Technical Writing**

Optional, practical on-the-job work experience for recommended students electing an opportunity provided by the department or finding an appropriate outside opportunity subsequently approved by the intern supervisor; paid or nonpaid. One hour credit for 10-15 hours per week; two hours for 16-25 hours; three hours for 26 and above.

**Credit Hours:** 2 hrs

**Prerequisites:** Recommendation of technical writing professor; ENGL 324 and cumulative 3.0 GPA

**Class Restrictions:** Junior or Senior standing

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **ENGL 490 - Internship in Technical Writing**

Optional, practical on-the-job work experience for recommended students electing an opportunity provided by the department or finding an appropriate outside opportunity subsequently approved by the intern supervisor; paid or nonpaid. One hour credit for 10-15 hours per week; two hours for 16-25 hours; three hours for 26 and above.

**Credit Hours:** 3 hrs

**Prerequisites:** Recommendation of technical writing professor; ENGL 324 and cumulative 3.0 GPA

**Class Restrictions:** Junior or Senior standing

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **ENGL 501 - Writing and Rhetorical Theory I**

The reading, study and analysis of representative selections from rhetorical theorists from the Sophists through the Renaissance. Emphasis on how to evaluate, explore and apply theory to writing and its teaching.

**Credit Hours:** 3 hrs

**Class Restrictions:** Graduate standing

**Major Restrictions:** Open only to students admitted to graduate programs in English language and literature. Others by department permission.

## **ENGL 502 - Writing and Rhetorical Theory II**

The reading, study and analysis of representative selections from rhetorical theorists since the Renaissance. Emphasis on how to evaluate, explore and apply theory to writing and its teaching.

**Credit Hours:** 3 hrs

**Class Restrictions:** Graduate standing

**Major Restrictions:** Open only to students admitted to graduate programs in English language and literature. Others by department permission.

## **ENGL 503 - Rhetorical Theory and the Teaching of Writing**

A thematic course in which students read, study and analyze representative selections from classical, medieval, renaissance and modern theorists. Emphasis on applying rhetorical theories to writing and language instruction.

**Credit Hours:** 3 hrs

**Graduate Credit:** Open only to students admitted to graduate programs in English language and literature. Others by department permission.

## **ENGL 505 - Rhetoric of Science and Technology**

Through reading, research and analysis, students will study theoretical positions, discourse conventions and stylistic features of writing done by professionals in scientific and technological fields.

**Credit Hours:** 3 hrs

**Class Restrictions:** Graduate standing

**Major Restrictions:** Open only to students admitted to graduate programs in English language and literature. Others by department permission.

## **ENGL 514 - Issues in Teaching Writing**

A review of the research and theory in teaching writing, with focus on the dynamics of writing and learning, and their relationship to evaluation and assessment of writing.

**Credit Hours:** 3 hrs

**Class Restrictions:** Graduate standing

**Major Restrictions:** Open only to students admitted to graduate programs in English language and literature. Others by department permission.

## **ENGL 515 - Literacy and Written Literacy Instruction**

Graduate seminar on acquisition of written literacy. Emphasis on current theoretical approaches to written literacy, and applications for teaching writing at secondary and postsecondary levels.

**Credit Hours:** 3 hrs

**Class Restrictions:** Graduate standing

**Major Restrictions:** Open only to students admitted to graduate programs in English language and literature. Others by department permission.

## **ENGL 516 - Computers and Writing: Theory and Practice**

A review of current theory for constructing computerized composition and for applying computers in teaching writing at secondary and postsecondary levels.

**Credit Hours:** 3 hrs

**Class Restrictions:** Graduate standing

**Major Restrictions:** Open only to students admitted to graduate programs in English language and literature. Others by department permission.

## **ENGL 517 - Topics in the Teaching of Writing**

An in-depth look at a specific topic in the teaching of writing. Topics vary from year to year, with offerings ranging from pedagogy topics to theory topics to specific theorists.

**Credit Hours:** 3 hrs

**Prerequisites:** ENGL 514

**Major Restrictions:** Open only to students admitted to graduate programs in English language and literature. Others by department permission.

**Last Updated:** Links 05/2011

## **ENGL 518 - Topics in English Education**

An in-depth look at a specific topic in English education. Topics vary from year to year, with offerings ranging from pedagogy topics to theory topics to specific theorists.

**Credit Hours:** 3 hrs

**Prerequisites:** ENGL 514

**Major Restrictions:** Open only to students admitted to graduate programs in English language and literature. Others by department permission.

**Last Updated:** Links 05/2011

## **ENGL 524 - Advanced Technical Writing and Research**

This course continues ENGL 424 Technical Writing and is designed to prepare students to write professionally in business and industry. Students will research appropriate information and prepare oral and written reports, proposals, brochures and manuals.

**Credit Hours:** 3 hrs

**Class Restrictions:** Graduate standing

**Major Restrictions:** Open only to students admitted to graduate programs in English language and literature. Others by department permission.

**Last Updated:** Links 06/2011



## **ENGL 525 - Advanced Public Relations Writing**

Theory and practice of writing for public relations. Emphasis on writing to resolve real-world problems from corporate and agency public relations.

**Credit Hours:** 3 hrs

**Class Restrictions:** Graduate standing

**Major Restrictions:** Open only to students admitted to graduate programs in English language and literature. Others by department permission.

## **ENGL 526 - Topics in Technical Communication**

An in-depth look at a specific topic in technical communication. Topics vary from year to year, with offerings ranging from applied topics to specific theorists.

**Credit Hours:** 3 hrs

**Prerequisites:** ENGL 524 or ENGL 525

**Major Restrictions:** Open only to students admitted to graduate programs in English language and literature. Others by department permission.

**Last Updated:** Links 05/2011

## **ENGL 527 - Topics in Professional Communication**

An in-depth look at a specific topic in professional communication. Topics vary from year to year, with offerings ranging from applied topics to specific theorists.

**Credit Hours:** 3 hrs

**Prerequisites:** ENGL 524 or ENGL 525

**Major Restrictions:** Open only to students admitted to graduate programs in English language and literature. Others by department permission.

**Last Updated:** Links 05/2011

## **ENGL 530 - Issues in English Studies for Teachers**

An introduction to foundational and current issues in the field of English Education. Students will study the work of leading scholars, past and present controversies and recurring areas of concern which have helped shape the discipline.

**Credit Hours:** 3 hrs

## **ENGL 531 - Teacher as Writer**

An exploration of individual writing processes and strategies, designed to help writing teachers understand and improve their own writing; understand and improve their own pedagogies for teaching writing; and learn venues and opportunities for publishing their writing.

**Credit Hours:** 3 hrs

## **ENGL 535A - Teacher Research Seminar**

The first course of a two-semester set of courses in methods and strategies of teacher research and ongoing support for an individual classroom-based research and ongoing support for an individual classroom-based research project. Students will learn

to design research questions, collect and analyze data and represent their findings in a publishable form. This course is only offered in the Fall semester.

**Credit Hours:** 3 hrs

**Prerequisites:** ENGL 530 and 12 credit hours in the program

**Last Updated:** Links 05/2011

## **ENGL 535B - Teacher Research Seminar**

The second course of a two-semester set of courses in methods and strategies of teacher research and ongoing support for an individual classroom-based research and ongoing support for an individual classroom-based research project. Students will learn to design research questions, collect and analyze data and represent their findings in a publishable form. This course is only offered in the Winter semester.

**Credit Hours:** 3 hrs

**Prerequisites:** ENGL 530, ENGL 535A and 12 credit hours in the program

**Last Updated:** Links 05/2011

## **ENGL 585 - Teaching Basic Writing at the College Level**

Designed to prepare future teachers of basic writing at the community college and/or college level. Course introduces theoretical and pedagogical issues related to defining basic writing and "basic writers" and provides opportunity for developing teaching strategies for work with students in basic writing courses.

**Credit Hours:** 3 hrs

**Major Restrictions:** Open only to students admitted to graduate programs in English language and literature. Others by department permission.

## **ENGL 590 - Special Topics**

An experimental course for subject matter not provided in other department offerings. The content will change from semester to semester. Students may elect this course more than once, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Class Restrictions:** Graduate standing

**Major Restrictions:** Open only to students admitted to graduate programs in English language and literature. Others by department permission.

## **ENGL 591 - Special Topics**

An experimental course for subject matter not provided in other department offerings. The content will change from semester to semester. Students may elect this course more than once, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Class Restrictions:** Graduate standing

**Major Restrictions:** Open only to students admitted to graduate programs in English language and literature. Others by department permission.

## **ENGL 592 - Special Topics**

An experimental course for subject matter not provided in other department offerings. The content will change from semester to semester. Students may elect this course more than once, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Class Restrictions:** Graduate standing

**Major Restrictions:** Open only to students admitted to graduate programs in English language and literature. Others by department permission.

### **ENGL 593 - Special Topics**

An experimental course for subject matter not provided in other department offerings. The content will change from semester to semester. Students may elect this course more than once, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 4 hrs

**Class Restrictions:** Graduate standing

**Major Restrictions:** Open only to students admitted to graduate programs in English language and literature. Others by department permission.

### **ENGL 594 - Special Topics**

An experimental course for subject matter not provided in other department offerings. The content will change from semester to semester. Students may elect this course more than once, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 5 hrs

**Class Restrictions:** Graduate standing

**Major Restrictions:** Open only to students admitted to graduate programs in English language and literature. Others by department permission.

### **ENGL 596 - Teaching Composition on the College Level**

A course in the methods of teaching English composition, with particular attention to beginning courses on the college and junior college level. Required of all graduate assistants and open to other interested M.A. candidates.

**Credit Hours:** 3 hrs

**Class Restrictions:** Graduate standing

**Major Restrictions:** Open only to students admitted to graduate programs in English language and literature. Others by department permission.

### **ENGL 597 - Independent Study**

An intensive study of a problem or research area not covered in regular courses; under the direction of a faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** candidate for the M.A.; permission of the graduate committee

**Class Restrictions:** Graduate student in English or department permission

**Major Restrictions:** Open only to students admitted to graduate programs in English language and literature. Others by department permission.

## **ENGL 598 - Independent Study**

An intensive study of a problem or research area not covered in regular courses; under the direction of a faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** candidate for the M.A.; permission of the graduate committee

**Class Restrictions:** Graduate student in English or department permission

**Major Restrictions:** Open only to students admitted to graduate programs in English language and literature. Others by department permission.

## **ENGL 599 - Independent Study**

An intensive study of a problem or research area not covered in regular courses; under the direction of a faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** candidate for the M.A.; permission of the graduate committee

**Class Restrictions:** Graduate student in English or department permission

**Major Restrictions:** Open only to students admitted to graduate programs in English language and literature. Others by department permission.

## **ENGL 621 - Research in Theory and Practice of Writing**

A course designed to prepare students in methods of research on writing, pedagogy, professional writing and written discourse. Frequent projects, requiring research and writing.

**Credit Hours:** 3 hrs

**Prerequisites:** nine hours of ENGL courses in written communications

**Class Restrictions:** Graduate student in English

**Major Restrictions:** Open only to students admitted to graduate programs in English language and literature. Others by department permission.

## **ENGL 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Major Restrictions:** Open only to students admitted to graduate programs in English language and literature. Others by department permission.

## **ENGL 675 - Eastern Michigan Writing Project Summer Institute**

For practicing K-12 teachers across disciplines. Participants investigate and experience current practices in literacy instruction. Based upon National Writing Project assumptions, participants read, write and reflect upon their teaching.

**Credit Hours:** 5 hrs

**Class Restrictions:** Graduate student in English or department permission

**Major Restrictions:** Open only to students admitted to graduate programs in English language and literature. Others by department permission.

**Cross-listed with:** CURR 675

**Last Updated:** Links 05/2011

### **ENGL 679 - Special Topics**

An experimental course for subject matter not provided in other department offerings. The content will change from semester to semester. Students may elect this course more than once, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Class Restrictions:** Graduate student in English

**Major Restrictions:** Open only to students admitted to graduate programs in English language and literature. Others by department permission.

### **ENGL 680 - Special Topics**

An experimental course for subject matter not provided in other department offerings. The content will change from semester to semester. Students may elect this course more than once, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Class Restrictions:** Graduate student in English

**Major Restrictions:** Open only to students admitted to graduate programs in English language and literature. Others by department permission.

### **ENGL 681 - Special Topics**

An experimental course for subject matter not provided in other department offerings. The content will change from semester to semester. Students may elect this course more than once, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Class Restrictions:** Graduate student in English

**Major Restrictions:** Open only to students admitted to graduate programs in English language and literature. Others by department permission.

### **ENGL 692 - Thesis**

Students will design and complete an extensive research study under the guidance of a thesis director and committee.

**Credit Hours:** 3 hrs

**Prerequisites:** ENGL 621 and department permission

**Major Restrictions:** Open only to students admitted to graduate programs in English language and literature. Others by department permission.

**Last Updated:** Links 05/2011

### **ENGL 693 - Master's Writing Project**

Students will design and complete four documents, including a research article for a professional publication, under the guidance of a project director and a committee.

**Credit Hours:** 3 hrs

**Prerequisites:** ENGL 621 and department permission

**Major Restrictions:** Open only to students admitted to graduate programs in English language and literature. Others by department permission.

**Last Updated:** Links 05/2011

## **ENGL 694 - Teacher Research/ Professional Writing Internship**

Designed to provide a cohort group and ongoing support for teachers engaged in classroom-based research and for technical and professional writers engaged in workplace research. One option for the culminating experience for the master's degree in written communication.

**Credit Hours:** 3 hrs

**Prerequisites:** ENGL 621, department permission

**Major Restrictions:** Open only to students admitted to graduate programs in English language and literature. Others by department permission.

**Last Updated:** Links 05/2011

## **ENGL 697 - Independent Study**

An intensive study of a problem or research area not covered in regular courses; under the direction of a faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** candidate for the M.A.; permission of the graduate committee

**Class Restrictions:** Graduate student in English or department permission

**Major Restrictions:** Open only to students admitted to graduate programs in English language and literature. Others by department permission.

## **ENGL 698 - Independent Study**

An intensive study of a problem or research area not covered in regular courses; under the direction of a faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** candidate for the M.A.; permission of the graduate committee

**Class Restrictions:** Graduate student in English or department permission

**Major Restrictions:** Open only to students admitted to graduate programs in English language and literature. Others by department permission.

## **ENGL 699 - Independent Study**

An intensive study of a problem or research area not covered in regular courses; under the direction of a faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** candidate for the M.A.; permission of the graduate committee

**Class Restrictions:** Graduate student in English or department permission

**Major Restrictions:** Open only to students admitted to graduate programs in English language and literature. Others by department permission.

## **Journalism**

### **JRNL 408 - Case Studies in Public Relations**

Solving problems and managing controversy in the day-to-day pursuit of public relations; legal considerations; crisis communication; professionalism and public responsibility in public relations.

**Credit Hours:** 3 hrs

**Prerequisites:** JRNL 314

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **JRNL 423 - Magazine Article Writing**

A writing course to develop skills in researching, writing and marketing nonfiction articles longer and more complex than newspaper feature stories. Emphasis is on individual completion of articles of professional quality.

**Credit Hours:** 3 hrs

**Prerequisites:** ENGL 328 or JRNL 306W

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **JRNL 453 - Advanced Reporting**

Researching and writing news stories dealing with complex topics including courts, politics, government, finance, labor and education. Emphasis is on journalistic initiative and investigative reporting.

**Credit Hours:** 3 hrs

**Prerequisites:** JRNL 215

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **JRNL 454 - Contemporary Problems in Journalism**

Emphasis on student investigation, reporting and writing on selected ethical problems in the media industry, such as conflicts between advertising and editorial content and actual or perceived conflicts of interest between journalists and people they cover. Emphasis on conducting in-depth studies of major social issues and quality of media coverage.

**Credit Hours:** 3 hrs

**Class Restrictions:** Junior standing

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

## **JRNL 455 - Journalism Law and Ethics**

An advanced professional course exploring legal and ethical issues surrounding journalism. Topics will include defamation of character, invasion of privacy, copyright, conflicts between the press and the courts, hate speech, obscenity, access to government records, broadcast regulations and various forms of censorship, as well as conflicts of interest, fairness and professional conduct.

**Credit Hours:** 3 hrs

**Class Restrictions:** Senior standing

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

## **Linguistics**

## **LING 401 - Introduction to Linguistic Science**

An introduction to linguistic theory and analytical procedures. Students will apply theoretical principles to problems of phonological and syntactic analysis.

**Credit Hours:** 3 hrs

**Prerequisites:** LING 201 or LNGE 223

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **LING 402 - Modern English Grammar**

An introduction to the grammar of modern English: problems in the description and analysis of English grammar.

**Credit Hours:** 3 hrs

**Class Restrictions:** Junior standing

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

## **LING 415 - Women and Language**

This course analyzes the way that gender is reflected in language structure and linguistic behavior, in both English and other languages. It will consider such topics as gender-related vocabulary and morphology, gender differences in discourse styles and the question of whether gender-related language differences have neurological correlates or are exclusively social in origin.

**Credit Hours:** 3 hrs

**Prerequisites:** a 200-, 300- or 400-level LING course

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

## **LING 420 - Introduction to Phonetics and Phonology**

An introduction to articulatory and acoustic phonetics and to the basic principles and methodology of phonological analysis.

**Credit Hours:** 3 hrs

**Prerequisites:** LING 401

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

## **LING 421 - The History of the English Language**

A study of the development of the language from its earliest stages to the present with attention to social influences as well as matters of sound, word formation and sentence structure.

**Credit Hours:** 3 hrs

**Prerequisites:** LING 201 or LING 401

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

## **LING 425 - Introduction to Syntax**



The development of a base in syntactic theory, learning both the mechanisms of a transformational grammar and the argumentation used in syntactic analysis.

**Credit Hours:** 3 hrs

**Prerequisites:** LING 401

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

## **LING 426 - Topics in Linguistics**

Advanced study in specific areas of linguistics for which the department does not regularly offer a course. The area to be studied will vary and will be determined by the field of specialization of the staff members and by student interest. This course may be taken more than once, provided the topics are different.

**Credit Hours:** 3 hrs

**Prerequisites:** a 200-, 300- or 400-level LING course

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

## **LING 434 - The Linguistic Analysis of Literature**

Examination of the linguistic knowledge which allows readers to recognize certain literary effects. Consideration of point of view shift, foregrounding, narrative time movement, presupposition and other aspects of literary interpretation.

**Credit Hours:** 3 hrs

**Prerequisites:** a 200-, 300- or 400-level LING course

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

## **LING 501 - Current Trends in Linguistics**

A study of current trends in linguistic research as they bear on any number of practical and educational problems: reading, writing, language and public policy, language and professions, etc.

**Credit Hours:** 3 hrs

## **LING 502 - History of Linguistics**

Grammatical analysis from Plato to Chomsky; the influence of various linguistic theories and analytical methods on the development of contemporary language models and the teaching of grammar.

**Credit Hours:** 3 hrs

## **LING 506 - Introduction to Old English**

An introduction to Old English language, and the reading of representative selections of prose and poetry in the original Old English.

**Credit Hours:** 3 hrs

## **LING 510 - Historical and Comparative Linguistics**

Introduction to comparative historical linguistics with special reference to the development of English from Germanic and Indo-European backgrounds.

**Credit Hours:** 3 hrs

### **LING 519 - Technology for Language Documentation**

Trains students in the technical aspects of collecting, archiving and processing language materials following best-practice guidelines. Topics to be covered include the collection of audiovisual language materials; materials processing for archiving, analysis and display; and materials annotation using existing tools. This class also serves as an introduction to basic scripting with Perl or Python.

**Credit Hours:** 3 hrs

**Prerequisites:** LING 401 or department permission

**Last Updated:** Links 05/2011

### **LING 525 - Syntactic Analysis**

Development of tools for advanced syntactic analysis in English and other languages. Traditional and current approaches to the study of syntax including government and binding theory, and phrase structure grammar.

**Credit Hours:** 3 hrs

### **LING 531 - Semantics: The Study of Meaning**

A brief study of the historical background of modern semantic analysis of English utterances. Traditional and generative approaches to semantic concepts will be examined.

**Credit Hours:** 3 hrs

### **LING 532 - Sociolinguistics**

An analysis of the diversity in language caused by social factors, and the correlative influence of these linguistic differences upon society and social status.

**Credit Hours:** 3 hrs

### **LING 533 - General Psycholinguistics**

An introduction to psycholinguistics, the mental representation of a grammar, perception of language units, aphasia and other language abnormalities, first and second language acquisition, bilingualism, language and thought. Not open to students in speech-language pathology program.

**Credit Hours:** 3 hrs

### **LING 534 - Phonological Analysis**

Advanced theories in current phonology are presented and argued for, and contrasted with previous theories. Students do weekly analyses and submit an original final paper suitable for presentation at a conference.

**Credit Hours:** 3 hrs

## **LING 535 - Discourse Analysis**

Study of discourse structure and conversational interaction from several analytical perspectives, e.g., interactional sociolinguistics, pragmatics and ethnolinguistics. Identification of the structural cues and interpretive conventions that make discourse meaningful within a speech community. Topics may include: cross-cultural communication, gender and discourse, personal narrative, speech acts and presupposition.

**Credit Hours:** 3 hrs

**Prerequisites:** one course in LING at the 500 level

## **LING 536 - Typology and Universals of Language**

Seminar on description and explanation of structural patterns found recurrently across languages. Explores characteristics of the world's language families and areas. Special attention to processes of linguistic change.

**Credit Hours:** 3 hrs

## **LING 538 - Multilingual Text Processing**

An empirical and computational analysis of the requirements of computing in a global and multilingual environment. Covers the world's writing systems, from scripts such as Tibetan and Arabic to systems devised by and for linguists, such as the International Phonetic Alphabet; technologies, algorithms and programming interfaces commonly used for multilingual text processing, including the Unicode Standard; and multilingual aspects of voice- and video-based applications.

**Credit Hours:** 3 hrs

**Prerequisites:** LING 519 or department permission

**Last Updated:** Links 05/2011

## **LING 590 - Special Topics**

An experimental course for subject matter not provided in other department offerings. The content will change from semester to semester. Students may elect this course more than once, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

## **LING 591 - Special Topics**

An experimental course for subject matter not provided in other department offerings. The content will change from semester to semester. Students may elect this course more than once, provided different topics are covered. Not more than six hours of special topics may be used on a degree program

**Credit Hours:** 3 hrs

## **LING 592 - Special Topics**

An experimental course for subject matter not provided in other department offerings. The content will change from semester to semester. Students may elect this course more than once, provided different topics are covered. Not more than six hours of special topics may be used on a degree program

**Credit Hours:** 3 hrs

## **LING 597 - Independent Study**

An intensive study of a problem or research area not covered in regular courses; under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **LING 598 - Independent Study**

An intensive study of a problem or research area not covered in regular courses; under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **LING 599 - Independent Study**

An intensive study of a problem or research area not covered in regular courses; under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **LING 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **LING 679 - Special Topics**

An experimental course for subject matter not provided in other department offerings. The content will change from semester to semester. Students may elect this course more than once, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

## **LING 680 - Special Topics**

An experimental course for subject matter not provided in other department offerings. The content will change from semester to semester. Students may elect this course more than once, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

## **LING 681 - Special Topics**

An experimental course for subject matter not provided in other department offerings. The content will change from semester to semester. Students may elect this course more than once, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

## **LING 692 - Thesis**

Original research or critical study designed and completed by the student under the guidance of the thesis director and committee.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **LING 697 - Independent Study**

An intensive study of a problem or research area not covered in regular courses; under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **LING 698 - Independent Study**

An intensive study of a problem or research area not covered in regular courses; under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **LING 699 - Independent Study**

An intensive study of a problem or research area not covered in regular courses; under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **Literature**

### **LITR 400 - Narrative in Literature and Film**

A study of the aesthetic parallels in narrative technique between certain prose forms (novel, novella, romance, satire) and film as a means of enhancing verbal, visual and cultural literacy. This course will comprehend films from the origin of cinema to the present, as well as a variety of literary works from multiple periods, showing how they have worked in tandem to engender social constructs and the cultural heritage.

**Credit Hours:** 3 hrs

**Prerequisites:** ENGL 300W and one 300-level LITR course

**Class Restrictions:** Sophomore standing

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.  
**Last Updated:** Graduate Credit 07/2011; Links 06/2011

### **LITR 405 - Shakespeare**

A study of at least eight of the principal plays.

**Credit Hours:** 3 hrs

**Prerequisites:** ENGL 300W and one 300-level LITR course

**Class Restrictions:** Sophomore standing

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

### **LITR 411 - Studies in Epic and Romance**

A critical reading of foreign (in translation) and English epics and romances (and their sources). The treatment will be both historical and comparative.

**Credit Hours:** 3 hrs

**Prerequisites:** ENGL 300W and one 300-level LITR course

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

### **LITR 413 - The Poetry of Chaucer**

An introduction to the major works of Chaucer: a close reading of representative poetry.

**Credit Hours:** 3 hrs

**Prerequisites:** ENGL 300W and one 300-level LITR course

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

### **LITR 440 - Genre Studies**

A study of the characteristics of a particular literary genre, independent of chronology, theme or author.

**Credit Hours:** 3 hrs

**Prerequisites:** ENGL 300W and one 300-level LITR course

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

### **LITR 443 - Women in Literature**

A study of women and their experiences as described in literature.

**Credit Hours:** 3 hrs

**Prerequisites:** ENGL 300W and one 300-level LITR course

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Cross-listed with:** WGST 443

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

## **LITR 445 - Sexualities in Literature and Culture**

A seminar devoted to theorizing and articulating the relationships between literature and culture, focusing on the diverse and shifting forms of sexuality manifested in the cultural imagination across several literary periods.

**Credit Hours:** 3 hrs

**Prerequisites:** Six hours of 300-level course work in one of the following prefixes-ENGL, LITR, HIST, PHIL - or Department Permission

**Cross-listed with:** WGST 445

**Last Updated:** New Course 11/2012, effective Winter 2013

## **LITR 450 - Major Authors**

An intensive study of a major literary figure or a group of related authors. The particular author to be taught in a given semester will be announced in the class schedule bulletin.

**Credit Hours:** 3 hrs

**Prerequisites:** ENGL 300W and one 300-level LITR course

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **LITR 510 - Critical Practices in Literary Studies**

This course is designed to introduce graduate students in English literature to the range of resources available for doing advanced research in literary studies. Emphasis is placed on developing critical reading skills that enable students to construct arguments within the on-going discussions currently shaping literary studies. This course is typically offered fall and winter semesters.

**Credit Hours:** 3 hrs

**Prerequisites:** 15 credit hours in literature

**Class Restrictions:** Graduate student in English

**Notes:** Open only to students admitted to graduate programs in English language and literature. Others by department permission.

## **LITR 511 - Literary Criticism**

A study of various approaches to literary criticism, with application to specific works. This course is typically offered fall and winter semesters.

**Credit Hours:** 3 hrs

**Prerequisites:** 15 credit hours in literature

**Concurrent Prerequisites:** LITR 510

**Class Restrictions:** Graduate student in English

**Last Updated:** Concurrent Prerequisite Change 10/2011, effective Winter 2012

## **LITR 512 - Middle English Literature**

A study of the genres of Middle English literature (chronicle, dialogue, exemplum, fable, romance, sermon, etc.). This course is typically offered every third academic year.

**Credit Hours:** 3 hrs

**Prerequisites:** 15 credit hours in literature

**Concurrent Prerequisites:** LITR 510

**Class Restrictions:** Graduate student in English

**Last Updated:** Concurrent Prerequisite Change 10/2011, effective Winter 2012

### **LITR 520 - Old English Poetry**

A study of Old English prosodic conventions, with a close reading of representative poems from various types and schools of Old English poetry. Readings are in Old English. This course is typically offered every third academic year.

**Credit Hours:** 3 hrs

**Prerequisites:** 15 hours in literature and LING 506, or instructor permission

**Concurrent Prerequisites:** LITR 510

**Class Restrictions:** Graduate student in English

**Last Updated:** Concurrent Prerequisite Change 10/2011, effective Winter 2012; Links 05/2011

### **LITR 523 - Realism and Naturalism in American Literature**

Realism and naturalism as theory and as practice in the late 19th and early 20th centuries in novels, drama or poetry. This course is typically offered every other academic year.

**Credit Hours:** 3 hrs

**Prerequisites:** 15 credit hours in literature

**Concurrent Prerequisites:** LITR 510

**Class Restrictions:** Graduate student in English

**Last Updated:** Concurrent Prerequisite Change 10/2011, effective Winter 2012

### **LITR 526 - Studies in African American Literature to 1945**

Specialized study of African American literature to 1945. Parallels will be drawn between the trends in the African American literature studied and American literature as a whole. This course is typically offered every other academic year.

**Credit Hours:** 3 hrs

**Prerequisites:** 15 credit hours in literature

**Concurrent Prerequisites:** LITR 510

**Class Restrictions:** Graduate student in English

**Last Updated:** Concurrent Prerequisite Change 10/2011, effective Winter 2012

### **LITR 527 - Studies in African American Literature Since 1945**

Specialized study of African American literature since 1945. This course is typically offered every other academic year.

**Credit Hours:** 3 hrs

**Prerequisites:** 15 credit hours in literature

**Concurrent Prerequisites:** LITR 510

**Class Restrictions:** Graduate student in English

**Last Updated:** Concurrent Prerequisite Change 10/2011, effective Winter 2012

### **LITR 530 - Studies in Chaucer**

Intensive reading of Chaucer's major works and supplementary reading in Chaucerean criticism. This course is typically offered once per academic year.



**Credit Hours:** 3 hrs  
**Prerequisites:** 15 credit hours in literature  
**Concurrent Prerequisites:** LITR 510  
**Class Restrictions:** Graduate student in English  
**Last Updated:** Concurrent Prerequisite Change 10/2011, effective Winter 2012

### **LITR 540 - Elizabethan and Jacobean Drama**

Representative plays of Marlowe, Jonson, Webster and other playwrights contemporary with Shakespeare. This course is typically offered every third academic year.

**Credit Hours:** 3 hrs  
**Prerequisites:** 15 credit hours in literature  
**Concurrent Prerequisites:** LITR 510  
**Class Restrictions:** Graduate student in English  
**Last Updated:** Concurrent Prerequisite Change 10/2011, effective Winter 2012

### **LITR 541 - Studies in Shakespeare**

Intensive reading of representative plays of Shakespeare, and of relevant critical, historical and textual scholarship.

**Credit Hours:** 3 hrs  
**Prerequisites:** 15 credit hours in literature, including one course in Shakespeare  
**Concurrent Prerequisites:** LITR 510  
**Class Restrictions:** Graduate student in English  
**Last Updated:** Concurrent Prerequisite Change 10/2011, effective Winter 2012

### **LITR 545 - Studies in Renaissance Literature**

A specialized study of major nondramatic poetry and prose of the English Renaissance (exclusive of the works of John Milton). Specific major authors to be studied may include Shakespeare, More, Sidney, Spenser, Marlowe, Bacon, Jonson, Donne and Herbert. This course is typically offered every other academic year.

**Credit Hours:** 3 hrs  
**Prerequisites:** 15 credit hours in literature  
**Concurrent Prerequisites:** LITR 510  
**Class Restrictions:** Graduate student in English  
**Last Updated:** Concurrent Prerequisite Change 10/2011, effective Winter 2012

### **LITR 561 - Studies in 18th Century Literature**

A specialized study of poetry and prose of a selected number of major authors of the Restoration and 18th century. Specific authors to be studied may include Dryden, Swift, Pope, Thompson, Collins, Gray, Johnson, Goldsmith and Boswell. This course is typically offered every other academic year.

**Credit Hours:** 3 hrs  
**Prerequisites:** 15 credit hours in literature  
**Concurrent Prerequisites:** LITR 510  
**Class Restrictions:** Graduate student in English  
**Last Updated:** Concurrent Prerequisite Change 10/2011, effective Winter 2012

## **LITR 563 - Studies in 18th Century Fiction**

A specialized study of major authors, genres and themes of 18th century fiction. The fiction studied will include works by such authors as Defoe, Swift, Fielding, Richardson, Sterne, Goldsmith, Walpole and Smollett. This course is typically offered every other academic year.

**Credit Hours:** 3 hrs

**Prerequisites:** 15 credit hours in literature

**Concurrent Prerequisites:** LITR 510

**Class Restrictions:** Graduate student in English

**Last Updated:** Concurrent Prerequisite Change 10/2011, effective Winter 2012

## **LITR 565 - Studies in 19th Century British Fiction**

Specialized study of selected English novelists of the 19th century. Novelists studied may include Austen, Scott, Disraeli, the Brontes, Gaskell, Thackeray, Dickens, Eliot, Trollope, Meredith, Hardy and others. This course is typically offered once per academic year.

**Credit Hours:** 3 hrs

**Prerequisites:** 15 credit hours in literature

**Concurrent Prerequisites:** LITR 510

**Class Restrictions:** Graduate student in English

**Last Updated:** Concurrent Prerequisite Change 10/2011, effective Winter 2012

## **LITR 566 - Studies in 20th Century British Fiction**

Specialized study of the work of representative major 20th century British novelists such as Conrad, Lawrence, Woolf, Forster, Huxley, Durrell, Greene, Fowles and Lessing. This course is typically offered every other academic year.

**Credit Hours:** 3 hrs

**Prerequisites:** 15 credit hours in literature

**Concurrent Prerequisites:** LITR 510

**Class Restrictions:** Graduate student in English

**Last Updated:** Concurrent Prerequisite Change 10/2011, effective Winter 2012

## **LITR 567 - Studies in Commonwealth Literature**

Prose, poetry and drama of modern Commonwealth literatures is considered, with attention to a range of authors writing both within and against English literary traditions. Course focus depends upon professor, and may include Antipodean, Canadian, Caribbean, Irish and/or other Commonwealth writers. This course is typically offered every third academic year.

**Credit Hours:** 3 hrs

**Prerequisites:** 15 credit hours in literature

**Concurrent Prerequisites:** LITR 510

**Class Restrictions:** Graduate student in English

**Last Updated:** Concurrent Prerequisite Change 10/2011, effective Winter 2012

## **LITR 568 - Studies in 19th Century American Poetry**

Specialized study of the work of two or three major 19th century American poets, such as Whitman, Dickinson, Poe, Longfellow, Melville, Emerson, Bryant, Lowell and Lanier. This course is typically offered every other academic year.

**Credit Hours:** 3 hrs  
**Prerequisites:** 15 credit hours in literature  
**Concurrent Prerequisites:** LITR 510  
**Class Restrictions:** Graduate student in English  
**Last Updated:** Concurrent Prerequisite Change 10/2011, effective Winter 2012

### **LITR 569 - The American Renaissance: 1830-1860**

Specialized study of the work of three or four of the following writers: Cooper, Poe, Emerson, Thoreau, Hawthorne, Melville. This course is typically offered every other academic year.

**Credit Hours:** 3 hrs  
**Prerequisites:** 15 credit hours in literature  
**Concurrent Prerequisites:** LITR 510  
**Class Restrictions:** Graduate student in English  
**Last Updated:** Concurrent Prerequisite Change 10/2011, effective Winter 2012

### **LITR 570 - Studies in Romantic Literature**

An intensive study of the poetry and nonfictional prose of at least two of the poets and essayists from the Romantic period (e.g., Blake, Wordsworth, Coleridge, Keats, Byron, Shelley, Hazlitt, DeQuincey, Lamb).

**Credit Hours:** 3 hrs  
**Prerequisites:** 15 credit hours in literature  
**Concurrent Prerequisites:** LITR 510  
**Class Restrictions:** Graduate student in English  
**Last Updated:** Concurrent Prerequisite Change 10/2011, effective Winter 2012

### **LITR 575 - Studies in Victorian Literature**

An intensive study of the poetry and nonfictional prose of at least two of the major writers from the Victorian period (e.g., Carlyle, Tennyson, the Brownings, Arnold, the Rossetts, Swinburne, Newman, Mill, Ruskin, Pater). This course is typically offered every other academic year.

**Credit Hours:** 3 hrs  
**Prerequisites:** 15 credit hours in literature  
**Concurrent Prerequisites:** LITR 510  
**Class Restrictions:** Graduate student in English  
**Last Updated:** Concurrent Prerequisite Change 10/2011, effective Winter 2012

### **LITR 576 - Studies in 20th Century American Fiction**

Specialized study of two or three 20th century American novelists, such as Hemingway, Fitzgerald, Faulkner, Nabokov and Bellow. This course is typically offered once per academic year.

**Credit Hours:** 3 hrs  
**Prerequisites:** 15 credit hours in literature  
**Concurrent Prerequisites:** LITR 510  
**Class Restrictions:** Graduate student in English  
**Last Updated:** Concurrent Prerequisite Change 10/2011, effective Winter 2012

## **LITR 577 - Studies in 20th Century American Poetry**

Specialized study of the work of two or three major 20th century poets, such as Pound, Eliot, Stevens, Williams, Roethke, Robinson, Frost, e.e. cummings, Hart Crane and Robert Lowell.

**Credit Hours:** 3 hrs

**Prerequisites:** 15 credit hours in literature

**Concurrent Prerequisites:** LITR 510

**Class Restrictions:** Graduate student in English

**Last Updated:** Concurrent Prerequisite Change 10/2011, effective Winter 2012

## **LITR 578 - Postcolonial Perspectives in Literature**

Intersecting postcolonial literature and critical theory, this class focuses on the continuing cultural, economic and political consequences of colonialism as well as neocolonialism. It studies critiques of neo/colonialism in literature and critical theory, while exploring how colonialism intersects with questions of class, race, and gender.

**Credit Hours:** 3 hrs

**Last Updated:** 03/2011; effective Spring 2011

## **LITR 580 - Studies in Contemporary Literary Trends**

Specialized study of the nature of contemporary literary developments, with some attention to other cultural parallels, past and present. The particular focus of the course (poetry, fiction, drama or criticism) in a given semester will be announced in the class schedule bulletin. This course is typically offered once per academic year.

**Credit Hours:** 3 hrs

**Prerequisites:** 15 credit hours in literature

**Concurrent Prerequisites:** LITR 510

**Class Restrictions:** Graduate student in English

**Last Updated:** Concurrent Prerequisite Change 10/2011, effective Winter 2012

## **LITR 585 - Literature for Teachers**

Literature for Teachers combines study of particular literary content with discussion of methods for teaching. Subject matter varies by semester, focused either on a specific genre, literary period, or set of issues in teaching literature. Assignments and discussions of content will emphasize pedagogical approaches to particular literary studies and issues.

**Credit Hours:** 3 hrs

**Last Updated:** April 2010

## **LITR 590 - Special Topics**

Topics will be announced from time to time. The following are examples of topics offered in recent years: Caribbean literature, short story, literature of the civil rights movement, postmodern theory. Not more than six hours of special topics courses may be applied toward the degree.

**Credit Hours:** 1 hr

**Prerequisites:** 15 credit hours in literature; further prerequisites may be required for some topics.

**Class Restrictions:** Graduate student in English

## **LITR 591 - Special Topics**

Topics will be announced from time to time. The following are examples of topics offered in recent years: Caribbean literature, short story, literature of the civil rights movement, postmodern theory. Not more than six hours of special topics courses may be applied toward the degree.

**Credit Hours:** 2 hrs

**Prerequisites:** 15 credit hours in literature; further prerequisites may be required for some topics.

**Class Restrictions:** Graduate student in English

## **LITR 592 - Special Topics**

Topics will be announced from time to time. The following are examples of topics offered in recent years: Caribbean literature, short story, literature of the civil rights movement, postmodern theory. Not more than six hours of special topics courses may be applied toward the degree.

**Credit Hours:** 3 hrs

**Prerequisites:** 15 credit hours in literature; further prerequisites may be required for some topics.

**Concurrent Prerequisites:** LITR 510

**Class Restrictions:** Graduate student in English

**Last Updated:** Concurrent Prerequisite Change 10/2011, effective Winter 2012

## **LITR 597 - Independent Study**

Advanced study on an individual basis in areas not covered, or not covered in depth, in formal course work.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Repeatable:** May be repeated for credit.

## **LITR 598 - Independent Study**

Advanced study on an individual basis in areas not covered, or not covered in depth, in formal course work.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Repeatable:** May be repeated for credit.

## **LITR 599 - Independent Study**

Advanced study on an individual basis in areas not covered, or not covered in depth, in formal course work.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Repeatable:** May be repeated for credit.

## **LITR 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **LITR 679 - Special Topics**

An exploration and study of topics not covered in other program offerings. Student may elect more than once, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

### **LITR 680 - Special Topics**

An exploration and study of topics not covered in other program offerings. Student may elect more than once, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

### **LITR 681 - Special Topics**

An exploration and study of topics not covered in other program offerings. Student may elect more than once, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

### **LITR 697 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member. Not to be elected until a student has been accepted as a candidate for the master's degree in literature.

**Credit Hours:** 1 hr

**Prerequisites:** 15 credit hours in literature and permission of the graduate committee

**Class Restrictions:** Graduate student in English or department permission

### **LITR 698 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member. Not to be elected until a student has been accepted as a candidate for the master's degree in literature.

**Credit Hours:** 2 hrs

**Prerequisites:** 15 credit hours in literature and permission of the graduate committee

**Class Restrictions:** Graduate student in English or department permission

### **LITR 699 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member. Not to be elected until a student has been accepted as a candidate for the master's degree in literature.

**Credit Hours:** 3 hrs

**Prerequisites:** 15 credit hours in literature and permission of the graduate committee

**Class Restrictions:** Graduate student in English or department permission

# World Languages Programs and Courses

## World Languages

### Graduate Certificate

#### Graduate Certificate in German for Business Practices (GRNB)

The Graduate Certificate program in German for Business Practices is designed for candidates who want to acquire professional proficiency in the idiom of business German and sensitize themselves to German business culture. They will accomplish this through intensive practice in speaking and writing as well as through analysis of current cultural patterns in various business contexts.

##### Admission Requirements

1. Candidates must have completed an undergraduate major or minor in German, with an overall grade point average of 2.75 and a grade point average of 3.0 in courses taken in German.
2. Candidates must complete an oral proficiency interview in German with a rating of “advanced.” This is a 30-minute interview in German during which the candidate must demonstrate the ability to satisfy routine social situations and limited work requirements.
3. Conditional admission may be granted to candidates evidencing deficiencies in German proficiency. Such candidates must successfully complete deficiency courses chosen in consultation with the German faculty.

##### Required Courses: 6 hours

- GERN 646 - German Business Practices 3 hrs
- GERN 647 - German Business Practices 3 hrs

##### Elective Courses: 6 hours

*Six hours from the following:*

- GERN 610 - Intensive German in Europe 6 hrs
- GERN 620 - Advanced German Syntax and Composition 3 hrs
- GERN 621 - Advanced Conversation in German 3 hrs

##### Certificate Total: 12 hours

#### Undergraduate Courses for Graduate Credit: World Languages

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

## French Courses:

- FRNH 443 - Advanced French Grammar and Composition 3 hrs
- FRNH 444 - Advanced French Conversation 3 hrs
- FRNH 445 - French Phonetics 3 hrs
- FRNH 446 - Business French I 3 hrs
- FRNH 447 - Business French II 3 hrs
- FRNH 451 - Readings in French 1 hr
- FRNH 452 - Readings in French 2 hrs

## German Courses:

- GERN 425 - German Literature from the Middle Ages to the Baroque 3 hrs
- GERN 426 - German Literature from 1750-1850 3 hrs
- GERN 427 - German Literature from 1850-1945 3 hrs
- GERN 428 - German Literature and Film from 1945 to the Present 3 hrs
- GERN 441 - Survey of German Literature 800-Enlightenment 3 hrs
- GERN 442 - Survey of German Literature: Enlightenment to 1945 3 hrs
- GERN 443 - German Syntax and Advanced Composition 3 hrs
- GERN 444 - Advanced German Conversation 3 hrs
- GERN 451 - Readings in German 1 hr
- GERN 452 - Readings in German 2 hrs
- GERN 456 - Technical German I 3 hrs
- GERN 457 - Technical German II 3 hrs

## Japanese Courses:

- JPNE 494 - Seminar in Japanese Studies 3 hrs

## Spanish Courses:

- SPNH 402 - Advanced Readings in Spanish American Literature 3 hrs
- SPNH 444 - Advanced Spanish Conversation and Composition 3 hrs
- SPNH 445 - Spanish-American Prose 3 hrs
- SPNH 448 - Modern Drama 3 hrs
- SPNH 449 - Romanticism 3 hrs
- SPNH 450 - Spanish-American Theatre 3 hrs
- SPNH 454 - Modernism in Spanish America 3 hrs
- SPNH 455 - The Generation of 1898 3 hrs
- SPNH 456 - Scientific and Technical Spanish I 3 hrs
- SPNH 457 - Scientific and Technical Spanish II 3 hrs
- SPNH 465 - Modern Novel 3 hrs
- SPNH 471 - Culture and Literature of the Hispanic Groups in the United States 3 hrs
- SPNH 482 - Language of the Hispanic Groups in the United States 3 hrs

## General Language and Bilingual-Bicultural Education Courses:



- FLAN 412 - Methods of Teaching Modern Languages in the Elementary Grades 3 hrs
- FLAN 490 - Internship in Language and International Trade 3 hrs

## **Graduate Certificate in Hispanic Language and Cultures (HLC)**

The Graduate Certificate program in Hispanic Language and Cultures is designed to assist candidates in attaining high levels of skill in the Spanish language and greater knowledge of Hispanic cultures. Successful students will gain greater competence in both oral and written expression as well as enhance their knowledge of selected facets of Hispanic life through analysis of current cultural patterns, including those of business and technology.

### **Required Courses: 10 hours**

- SPNH 610 - Intensive Summer Program in Spanish 6 hrs
- SPNH 543 - Spanish Grammar and Syntax 3 hrs
- SPNH 544 - Graduate Spanish Conversation 3 hrs

### **Elective Courses: 3 hours**

*One course from the following:*

- SPNH 546 - Spanish for Business Practices 3 hrs
- SPNH 547 - Spanish for Business Practices 3 hrs
- SPNH 582 - U.S. Dialects of Spanish 3 hrs

### **Certificate Total: 13 hours**

## **Undergraduate Courses for Graduate Credit: World Languages**

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

### **French Courses:**

- FRNH 443 - Advanced French Grammar and Composition 3 hrs
- FRNH 444 - Advanced French Conversation 3 hrs
- FRNH 445 - French Phonetics 3 hrs
- FRNH 446 - Business French I 3 hrs
- FRNH 447 - Business French II 3 hrs
- FRNH 451 - Readings in French 1 hr
- FRNH 452 - Readings in French 2 hrs

### **German Courses:**

- GERN 425 - German Literature from the Middle Ages to the Baroque 3 hrs
- GERN 426 - German Literature from 1750-1850 3 hrs
- GERN 427 - German Literature from 1850-1945 3 hrs
- GERN 428 - German Literature and Film from 1945 to the Present 3 hrs
- GERN 441 - Survey of German Literature 800-Enlightenment 3 hrs
- GERN 442 - Survey of German Literature: Enlightenment to 1945 3 hrs
- GERN 443 - German Syntax and Advanced Composition 3 hrs
- GERN 444 - Advanced German Conversation 3 hrs
- GERN 451 - Readings in German 1 hr
- GERN 452 - Readings in German 2 hrs
- GERN 456 - Technical German I 3 hrs
- GERN 457 - Technical German II 3 hrs

### Japanese Courses:

- JPNE 494 - Seminar in Japanese Studies 3 hrs

### Spanish Courses:

- SPNH 402 - Advanced Readings in Spanish American Literature 3 hrs
- SPNH 444 - Advanced Spanish Conversation and Composition 3 hrs
- SPNH 445 - Spanish-American Prose 3 hrs
- SPNH 448 - Modern Drama 3 hrs
- SPNH 449 - Romanticism 3 hrs
- SPNH 450 - Spanish-American Theatre 3 hrs
- SPNH 454 - Modernism in Spanish America 3 hrs
- SPNH 455 - The Generation of 1898 3 hrs
- SPNH 456 - Scientific and Technical Spanish I 3 hrs
- SPNH 457 - Scientific and Technical Spanish II 3 hrs
- SPNH 465 - Modern Novel 3 hrs
- SPNH 471 - Culture and Literature of the Hispanic Groups in the United States 3 hrs
- SPNH 482 - Language of the Hispanic Groups in the United States 3 hrs

### General Language and Bilingual-Bicultural Education Courses:

- FLAN 412 - Methods of Teaching Modern Languages in the Elementary Grades 3 hrs
- FLAN 490 - Internship in Language and International Trade 3 hrs

## **Graduate Certificate in Japanese for Business Practices (JPNB)**

Japanese for Business Practices is an interdisciplinary Graduate Certificate program offered through the Department of World Languages and the College of Business. This 12-credit-hour curriculum is designed to prepare students to communicate effectively by guiding students to the acquisition of Advanced Low Level (using ACTFL proficiency scales) or a Japanese language proficiency in various Japanese business situations and also to gain further knowledge of international management.

This program is intended for those who wish to improve their Japanese language and culture knowledge, proficiency and familiarity with Japanese business practices.

### **Admission Requirements**

Applicants must:

1. Demonstrate at least Intermediate Low Level of Japanese proficiency using the ACTFL's Oral Proficiency Interview or Level 4 of the Japanese Proficiency Test developed by the Japan Foundation or equivalent.
2. Conditional admission may be granted to candidates with deficiencies in Japanese proficiency. Such candidates must successfully complete deficiency courses including, but not limited to, JPNE 343 - Japanese Composition, JPNE 344 - Japanese Conversation and JPNE 444 - Advanced Japanese Conversation.
3. Obtain departmental permission.
4. Submit a statement of reasons for pursuing this certificate.
5. Meet the requirements for admission to the Graduate School.

### **Required Courses: 12 hours**

- JPNE 544 - Graduate Japanese Conversation 3 hrs
- JPNE 546 - Japanese for Business Practices I 3 hrs
- JPNE 547 - Japanese for Business Practices II 3 hrs
- MGMT 550 - International Management: A Cultural Perspective 3 hrs

### **Certificate Total: 12 hours**

## **Graduate Certificate in Japanese Language Teaching (JLT)**

Adviser: Hitomi Oketani, Ph.D.  
219 Alexander  
734.487.0130  
hoketani@emich.edu

The Graduate Certificate program in Japanese Language Teaching is designed to assist applicants in attaining the equivalent of an advanced level of proficiency in the Japanese language, as well as a broad knowledge of the geography and cultures of the regions where the Japanese language is spoken, and to improve overall teaching effectiveness.

### **Admission Requirements**

1. Applicants in this graduate certificate program must demonstrate at least intermediate high level of Japanese proficiency using the ACTFL's Oral Proficiency Interview or Level 3 of the Japanese Proficiency Test developed by the Japan Foundation, or equivalent.
2. Conditional admission may be granted to candidates evidencing deficiencies in Japanese proficiency. Such candidates must successfully complete deficiency courses including, but not limited to, JPNE 344 - Japanese Conversation, JPNE 343 - Japanese Composition and JPNE 444 - Advanced Japanese Conversation.
3. Submit a copy of Japanese Teaching Certification or Departmental permission.
4. Submit a statement of reasons for pursuing this certificate
5. Meet the requirements for admission to the Graduate School

This certificate requires 14 hours of course work to be distributed as follows:

## Required Courses: 12 hours

- FLAN 611 - Theory and Methods of Modern Language Teaching 3 hrs
- FLAN 613 - Using Technology in the Foreign Language Classroom 3 hrs
- JPNE 544 - Graduate Japanese Conversation 3 hrs
- JPNE 594 - Intensive Seminar in Japanese Studies 3 hrs

## Elective Courses: 2 hours

*One course from the following:*

- CURR 510 - Developing Creativity in the Classroom 2 hrs
- CURR 552 - The Pedagogy of Group Learning 2 hrs
- CURR 650 - Improving Instruction through Inquiry and Assessment 3 hrs
- FLAN 540 - Cultural Issues in Teaching Languages 2 hrs
- FLAN 612 - Methods of Teaching Modern Languages in the Elementary Grades 3 hrs
- RDNG 506 - Storytelling 3 hrs
- SOFD 535 - Multicultural and International Education 2 hrs
- TSLN 501 - Theoretical Foundations of Second-Language Pedagogy 3 hrs
- TSLN 520 - Foreign Language Testing and Assessment 2 hrs

## Certificate Total: 14 hours

## Undergraduate Courses for Graduate Credit: World Languages

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

### French Courses:

- FRNH 443 - Advanced French Grammar and Composition 3 hrs
- FRNH 444 - Advanced French Conversation 3 hrs
- FRNH 445 - French Phonetics 3 hrs
- FRNH 446 - Business French I 3 hrs
- FRNH 447 - Business French II 3 hrs
- FRNH 451 - Readings in French 1 hr
- FRNH 452 - Readings in French 2 hrs

### German Courses:

- GERN 425 - German Literature from the Middle Ages to the Baroque 3 hrs
- GERN 426 - German Literature from 1750-1850 3 hrs
- GERN 427 - German Literature from 1850-1945 3 hrs

- GERN 428 - German Literature and Film from 1945 to the Present 3 hrs
- GERN 441 - Survey of German Literature 800-Enlightenment 3 hrs
- GERN 442 - Survey of German Literature: Enlightenment to 1945 3 hrs
- GERN 443 - German Syntax and Advanced Composition 3 hrs
- GERN 444 - Advanced German Conversation 3 hrs
- GERN 451 - Readings in German 1 hr
- GERN 452 - Readings in German 2 hrs
- GERN 456 - Technical German I 3 hrs
- GERN 457 - Technical German II 3 hrs

### Japanese Courses:

- JPNE 494 - Seminar in Japanese Studies 3 hrs

### Spanish Courses:

- SPNH 402 - Advanced Readings in Spanish American Literature 3 hrs
- SPNH 444 - Advanced Spanish Conversation and Composition 3 hrs
- SPNH 445 - Spanish-American Prose 3 hrs
- SPNH 448 - Modern Drama 3 hrs
- SPNH 449 - Romanticism 3 hrs
- SPNH 450 - Spanish-American Theatre 3 hrs
- SPNH 454 - Modernism in Spanish America 3 hrs
- SPNH 455 - The Generation of 1898 3 hrs
- SPNH 456 - Scientific and Technical Spanish I 3 hrs
- SPNH 457 - Scientific and Technical Spanish II 3 hrs
- SPNH 465 - Modern Novel 3 hrs
- SPNH 471 - Culture and Literature of the Hispanic Groups in the United States 3 hrs
- SPNH 482 - Language of the Hispanic Groups in the United States 3 hrs

### General Language and Bilingual-Bicultural Education Courses:

- FLAN 412 - Methods of Teaching Modern Languages in the Elementary Grades 3 hrs
- FLAN 490 - Internship in Language and International Trade 3 hrs

## Graduate Certificate in Teaching English to Speakers of Other Languages (TSL)

Adviser: Jeff Popko, Ph.D.  
 219 Alexander  
 734.487.3347  
 apopko@emich.edu

This program is offered at Eastern Michigan University's center in Livonia.

#### Objectives

This program prepares teachers who are already certified to teach in public schools to teach English as a second language. The

primary goal is to enable teachers to address more effectively the academic and social challenges of an increasingly diverse student population, including the growing number of English language learners, and to appreciate those students as resources for instruction and classroom management.

### **Admission Requirements**

Applicants must:

1. Submit at least two letters of recommendation that attest to the applicant's promise of success in working with speakers of other languages and in multicultural settings;
2. Submit a statement of reasons for pursuing this certificate;
3. Submit a Michigan (or other state) teaching certificate;
4. Submit proof of classroom teaching experience; and
5. Meet the requirements of the Graduate School.

*Note:*

*There is no opportunity for conditional admission to this program for non-native speakers of English.*

## **Required Courses: 22 hours**

- FLAN 540 - Cultural Issues in Teaching Languages 2 hrs
- TSLN 502 - A Pedagogical Grammar and Phonology of ESL 4 hrs
- TSLN 520 - Foreign Language Testing and Assessment 2 hrs
- TSLN 521 - Content-Based Instruction and Materials for English Language Learners 2 hrs
- TSLN 525 - Second Language Acquisition for Classroom Teachers 3 hrs
- TSLN 530 - TESOL Methods: Reading, Writing and Grammar 2 hrs
- TSLN 531 - TESOL Materials: Reading, Writing and Grammar 1 hr
- TSLN 532 - TESOL Methods: Listening, Speaking and Pronunciation 2 hrs
- TSLN 533 - TESOL Materials: Listening, Speaking and Pronunciation 1 hr
- TSLN 588 - Observation, Analysis and Practicum in ESL Classrooms 3 hrs

## **Certificate Total: 22 hours**

## **Exit requirement for TESOL Graduate Certificate and ESL Endorsement:**

Students must have at least one year's college study of a foreign language, or the equivalent as determined by the World Languages Department.

## **Undergraduate Courses for Graduate Credit: World Languages**

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

## **French Courses:**

- FRNH 443 - Advanced French Grammar and Composition 3 hrs
- FRNH 444 - Advanced French Conversation 3 hrs
- FRNH 445 - French Phonetics 3 hrs
- FRNH 446 - Business French I 3 hrs
- FRNH 447 - Business French II 3 hrs
- FRNH 451 - Readings in French 1 hr
- FRNH 452 - Readings in French 2 hrs

## German Courses:

- GERN 425 - German Literature from the Middle Ages to the Baroque 3 hrs
- GERN 426 - German Literature from 1750-1850 3 hrs
- GERN 427 - German Literature from 1850-1945 3 hrs
- GERN 428 - German Literature and Film from 1945 to the Present 3 hrs
- GERN 441 - Survey of German Literature 800-Enlightenment 3 hrs
- GERN 442 - Survey of German Literature: Enlightenment to 1945 3 hrs
- GERN 443 - German Syntax and Advanced Composition 3 hrs
- GERN 444 - Advanced German Conversation 3 hrs
- GERN 451 - Readings in German 1 hr
- GERN 452 - Readings in German 2 hrs
- GERN 456 - Technical German I 3 hrs
- GERN 457 - Technical German II 3 hrs

## Japanese Courses:

- JPNE 494 - Seminar in Japanese Studies 3 hrs

## Spanish Courses:

- SPNH 402 - Advanced Readings in Spanish American Literature 3 hrs
- SPNH 444 - Advanced Spanish Conversation and Composition 3 hrs
- SPNH 445 - Spanish-American Prose 3 hrs
- SPNH 448 - Modern Drama 3 hrs
- SPNH 449 - Romanticism 3 hrs
- SPNH 450 - Spanish-American Theatre 3 hrs
- SPNH 454 - Modernism in Spanish America 3 hrs
- SPNH 455 - The Generation of 1898 3 hrs
- SPNH 456 - Scientific and Technical Spanish I 3 hrs
- SPNH 457 - Scientific and Technical Spanish II 3 hrs
- SPNH 465 - Modern Novel 3 hrs
- SPNH 471 - Culture and Literature of the Hispanic Groups in the United States 3 hrs
- SPNH 482 - Language of the Hispanic Groups in the United States 3 hrs

## General Language and Bilingual-Bicultural Education Courses:

- FLAN 412 - Methods of Teaching Modern Languages in the Elementary Grades 3 hrs

- FLAN 490 - Internship in Language and International Trade 3 hrs

## Master's

# Master of Arts in Language and International Trade (LGIT)

### Objectives

Objectives of the program are to promote cultural awareness and sensitivity with reference to our own society as well as to societies of other world regions and to provide the skills and knowledge necessary for competent performance in an international business environment.

### Admission Requirements

#### Degree Admission

Applicants must:

1. Declare the foreign language to be used for the language area requirement on the Application for Graduate Admission (e.g., Language and International Trade — French). Native speakers of a language may not elect that language without permission of the language section concerned. (Students applying to the ESL section of the master of arts in language and international trade should be sure their completed applications reach the Office of Admissions five months prior to the first semester of their program.);
2. Possess a minimum overall undergraduate grade point average of 2.75;
3. Submit a statement of their reasons for pursuing this degree;
4. Have two of their former University professors complete departmental recommendation forms and forward them directly to the department; and
5. Meet the background requirements stated below:
  - a. Foreign Language  
Non-native speakers of French, German or Spanish must possess at least a minor in that language with a minimum grade point average of 3.0, or the equivalent proficiency.  
Non-native speakers of English must possess a minimum score of 80 on the Michigan English Language Assessment Battery (MELAB), a minimum score on the Test of English as a Foreign Language (TOEFL), or a minimum score on the computerized versions. Students should see the EMU admissions website at [www.emich.edu/admissions](http://www.emich.edu/admissions) for required minimum scores.
  - b. Economics  
A two-course sequence in macroeconomic theory and policy. A two-course sequence in micro economic theory and policy. (Students not meeting the above requirements may be granted conditional admission and be required to complete either ECON 201 and ECON 301, or ECON 501; and either ECON 202 and ECON 302, or ECON 502. Students must achieve an overall grade point average of 3.0 [B] or better in deficiency courses.)
  - c. Business  
A course in the principles of accounting. A course in basic computers in business.

#### Note:

*Students not meeting the above degree requirements may be granted conditional admission and be required to complete either ACC 240 and ACC 241, or ACC 501; and MATH 118 plus COSC 101 or IS 215, or IS 502. Students must achieve an overall grade point average of 3.0 (B) or better in deficiency courses.*



### **Conditional Admission**

Conditional admission may be granted to students who do not meet the above admission requirements. These students will be required to take deficiency courses to meet these requirements; this work will be done in addition to regular program requirements. Students must achieve an overall grade point average of 3.0 (B) or better in deficiency courses.

### **Program Requirements**

Students must complete a minimum of 10 hours in a foreign language, six hours in economics, 12 hours in business and a cooperative education assignment for three to six hours.

### **Cooperative Education**

To complement their academic training and enhance their professional preparation and chances for future employment, all students are expected to complete a minimum 15-week cooperative education assignment in the public or private sector, provided an appropriate position can be found. U.S. citizens may undertake this assignment either in the United States or in a country where the language being studied is spoken, while ESL students may elect only the U.S. co-op. In all cases, students must satisfy the requirements of the co-op for which they are eligible.

### **U.S. Co-op Placement**

To be eligible for this placement, a student must have achieved at least a 3.0 GPA and have completed at least 12 hours of graduate business and economics courses, as well as half of the foreign language requirements. Students meeting these requirements should make an appointment with the language and international trade co-op adviser at least six months prior to the semester in which the student wishes to begin the co-op assignment.

### **Overseas Co-op Placement**

To be eligible for this placement, a student must have achieved at least a 3.25 GPA and have completed 18 hours of graduate business and economics courses, as well as the foreign language requirement for the master of arts in language and international trade. The student must also pass an oral interview conducted by department faculty in the language being studied at least seven months before the date on which the student wishes to begin the international co-op assignment. Consult the language and international trade co-op adviser for further information.

## **Course Requirements**

The M.A. in Language and International Trade requires 31-34 hours of course work to be distributed among required courses in foreign language, economics, business and cooperative education courses as follows:

### **Required Courses: 31 hours**

#### **Foreign Language: 10 hours**

If fulfilling foreign language requirement with English, complete ESLN642 and ESLN648 (five hours each).

If fulfilling foreign language requirement with French German or Spanish, complete 10 hours, including courses FRNH/GERN/SPNH 646/647 (three hours each), in the chosen language.

#### **Economics: 6 hours**

*Other hours may be selected from among 500-level economics courses with the aid and approval of the language and international trade graduate adviser.*

- ECON 508 - International Trade 3 hrs  
(Prerequisites for this course are either ECON 201 and ECON 301; or ECON 202 and ECON 302; or ECON 501 and ECON 502.)
- ECON 509 - International Monetary Economics 3 hrs

## Business: 12 hours

*Other hours are to be selected from 500-level business courses with the aid and approval of the language and international trade adviser. At least one of these must be a business course with an international focus.*

- DS 501 - Introductory Probability and Statistics for Business 3 hrs  
(Prerequisites for this course are MATH 118/119.)
- MKTG 510 - Marketing Management 3 hrs

## Cooperative Education: 3-6 hours

- FLAN 688 - Internship in Language and International Trade 3 hrs

## Program Total: 31-34 hours

## Undergraduate Courses for Graduate Credit: World Languages

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

### French Courses:

- FRNH 443 - Advanced French Grammar and Composition 3 hrs
- FRNH 444 - Advanced French Conversation 3 hrs
- FRNH 445 - French Phonetics 3 hrs
- FRNH 446 - Business French I 3 hrs
- FRNH 447 - Business French II 3 hrs
- FRNH 451 - Readings in French 1 hr
- FRNH 452 - Readings in French 2 hrs

### German Courses:

- GERN 425 - German Literature from the Middle Ages to the Baroque 3 hrs
- GERN 426 - German Literature from 1750-1850 3 hrs
- GERN 427 - German Literature from 1850-1945 3 hrs
- GERN 428 - German Literature and Film from 1945 to the Present 3 hrs
- GERN 441 - Survey of German Literature 800-Enlightenment 3 hrs
- GERN 442 - Survey of German Literature: Enlightenment to 1945 3 hrs
- GERN 443 - German Syntax and Advanced Composition 3 hrs
- GERN 444 - Advanced German Conversation 3 hrs
- GERN 451 - Readings in German 1 hr
- GERN 452 - Readings in German 2 hrs
- GERN 456 - Technical German I 3 hrs
- GERN 457 - Technical German II 3 hrs

## Japanese Courses:

- JPNE 494 - Seminar in Japanese Studies 3 hrs

## Spanish Courses:

- SPNH 402 - Advanced Readings in Spanish American Literature 3 hrs
- SPNH 444 - Advanced Spanish Conversation and Composition 3 hrs
- SPNH 445 - Spanish-American Prose 3 hrs
- SPNH 448 - Modern Drama 3 hrs
- SPNH 449 - Romanticism 3 hrs
- SPNH 450 - Spanish-American Theatre 3 hrs
- SPNH 454 - Modernism in Spanish America 3 hrs
- SPNH 455 - The Generation of 1898 3 hrs
- SPNH 456 - Scientific and Technical Spanish I 3 hrs
- SPNH 457 - Scientific and Technical Spanish II 3 hrs
- SPNH 465 - Modern Novel 3 hrs
- SPNH 471 - Culture and Literature of the Hispanic Groups in the United States 3 hrs
- SPNH 482 - Language of the Hispanic Groups in the United States 3 hrs

## General Language and Bilingual-Bicultural Education Courses:

- FLAN 412 - Methods of Teaching Modern Languages in the Elementary Grades 3 hrs
- FLAN 490 - Internship in Language and International Trade 3 hrs

# Master of Arts in Teaching English to Speakers of Other Languages (TSL)

Adviser: Jeff Popko, Ph.D.  
219 Alexander  
734.487.3347  
apopko@emich.edu

### Objectives

Objectives of the program are to graduate teachers who possess a knowledge of English perceived as a second/foreign language, a knowledge of foreign language teaching and learning strategies, practical experience in applying theoretical knowledge, an awareness of the realities of the multicultural classroom and a commitment to continued professional growth.

### Admission Requirements

#### Degree Admission

Applicants must:

1. Satisfy Graduate School admission requirements;
2. Submit a statement of the applicant's reasons for pursuing this degree;
3. Submit at least two letters of recommendation. See the Teaching English to Speakers of Other Languages web site for the recommendation form.

4. Have at least one year's college study of foreign language, or the equivalent as determined by the World Languages Department; and
5. For regular admission, non-native speakers of English must submit a recent (no older than one year) official test score showing a high level of English language proficiency. This requires a minimum TOEFL iBT score of 92 (with minimum sub-section scores of 24 on reading, 24 on writing, 22 on speaking and 22 on listening), or an IELTS minimum score of 7 on every subtest. Students admitted with a sub-score less than 26 on the TOEFL iBT or 7.5 on any section of the IELTS may be advised to take ESLN 512 and/or ESLN 515.

### **Conditional Admission**

Conditional admission may be granted to students who do not meet the above admission requirements. These students will be required to take deficiency courses to meet these requirements, in addition to regular program requirements.

The TESOL program reviews completed applications February 1st and April 1st for fall admission and October 15th for winter admission. Because of the sequencing of core courses, starting the program in September semester is recommended for international students. If a student is asked to take ESL courses, a Spring or Summer start is preferable.

## **Course Requirements:**

The M.A. in Teaching English to Speakers of Other Languages requires 32 hours of course work to be distributed among required courses, cognate courses and restricted elective courses as follows:

### **Required Courses: 21 hours**

- TSLN 500 - Observation and Analysis of ESL Programs 1 hr
- TSLN 501 - Theoretical Foundations of Second-Language Pedagogy 3 hrs
- TSLN 502 - A Pedagogical Grammar and Phonology of ESL 4 hrs
- TSLN 520 - Foreign Language Testing and Assessment 2 hrs
- TSLN 530 - TESOL Methods: Reading, Writing and Grammar 2 hrs
- TSLN 531 - TESOL Materials: Reading, Writing and Grammar 1 hr
- TSLN 532 - TESOL Methods: Listening, Speaking and Pronunciation 2 hrs
- TSLN 533 - TESOL Materials: Listening, Speaking and Pronunciation 1 hr
- TSLN 688 - TESOL Practicum 3 hrs
- TSLN 694 - Seminar 2 hrs

### **Cognate Courses: 6 hours**

*Six hours of supportive or complementary courses from other departments should be selected with the approval of the graduate adviser. Select from the following recommended courses:*

- \* LING 401 - Introduction to Linguistic Science 3 hrs
- \* LING 402 - Modern English Grammar 3 hrs
- \* LING 420 - Introduction to Phonetics and Phonology 3 hrs
- \* LING 425 - Introduction to Syntax 3 hrs
- LING 525 - Syntactic Analysis 3 hrs
- LING 531 - Semantics: The Study of Meaning 3 hrs
- LING 532 - Sociolinguistics 3 hrs
- LING 533 - General Psycholinguistics 3 hrs
- LING 534 - Phonological Analysis 3 hrs

- LING 535 - Discourse Analysis 3 hrs

## Restricted Elective Courses: 6 hours

*Six hours selected in consultation with the graduate adviser.*

## Program Total: 33 hours

### Note:

*\* Before enrolling in approved 400-level courses for graduate credit, students must obtain the following: (a) the recommendation of their adviser, and (b) a request form from the Graduate School. Not more than nine hours of approved 400-level courses may be used on a graduate program.*

## Masters of Arts-Teaching Concentrations

For other Masters in Teaching Concentrations please click [here](#)

## Undergraduate Courses for Graduate Credit: World Languages

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

### French Courses:

- FRNH 443 - Advanced French Grammar and Composition 3 hrs
- FRNH 444 - Advanced French Conversation 3 hrs
- FRNH 445 - French Phonetics 3 hrs
- FRNH 446 - Business French I 3 hrs
- FRNH 447 - Business French II 3 hrs
- FRNH 451 - Readings in French 1 hr
- FRNH 452 - Readings in French 2 hrs

### German Courses:

- GERN 425 - German Literature from the Middle Ages to the Baroque 3 hrs
- GERN 426 - German Literature from 1750-1850 3 hrs
- GERN 427 - German Literature from 1850-1945 3 hrs
- GERN 428 - German Literature and Film from 1945 to the Present 3 hrs
- GERN 441 - Survey of German Literature 800-Enlightenment 3 hrs
- GERN 442 - Survey of German Literature: Enlightenment to 1945 3 hrs
- GERN 443 - German Syntax and Advanced Composition 3 hrs
- GERN 444 - Advanced German Conversation 3 hrs

- GERN 451 - Readings in German 1 hr
- GERN 452 - Readings in German 2 hrs
- GERN 456 - Technical German I 3 hrs
- GERN 457 - Technical German II 3 hrs

### Japanese Courses:

- JPNE 494 - Seminar in Japanese Studies 3 hrs

### Spanish Courses:

- SPNH 402 - Advanced Readings in Spanish American Literature 3 hrs
- SPNH 444 - Advanced Spanish Conversation and Composition 3 hrs
- SPNH 445 - Spanish-American Prose 3 hrs
- SPNH 448 - Modern Drama 3 hrs
- SPNH 449 - Romanticism 3 hrs
- SPNH 450 - Spanish-American Theatre 3 hrs
- SPNH 454 - Modernism in Spanish America 3 hrs
- SPNH 455 - The Generation of 1898 3 hrs
- SPNH 456 - Scientific and Technical Spanish I 3 hrs
- SPNH 457 - Scientific and Technical Spanish II 3 hrs
- SPNH 465 - Modern Novel 3 hrs
- SPNH 471 - Culture and Literature of the Hispanic Groups in the United States 3 hrs
- SPNH 482 - Language of the Hispanic Groups in the United States 3 hrs

### General Language and Bilingual-Bicultural Education Courses:

- FLAN 412 - Methods of Teaching Modern Languages in the Elementary Grades 3 hrs
- FLAN 490 - Internship in Language and International Trade 3 hrs

## Master of Arts in World Languages (French) (MAWL-FRNH)

Adviser: Genevieve Peden, Ph.D.  
 349 Alexander  
 734.487.1498  
 gpeden@emich.edu

The goal of the Master of Arts in World Language program (French) is to improve the cultural and linguistic competence of students.

#### Objectives

General objectives of the program include:

1. Attainment of a professional level of proficiency in listening, speaking, reading and writing in French;
2. Acquisition and comprehension of cultural and literary knowledge, and the complexities of contemporary French-speaking societies; and
3. Acquisition of research skills.

## Admission Requirements

1. Candidates must hold undergraduate majors or minors in the language of their specialization, with an overall undergraduate grade point average of 2.75 and a grade point average of 3.0 in courses in the target language.
2. Candidates must complete an oral proficiency interview in the language of their specialization with a rating of “Advanced-low” on the ACTFL scale.
3. Conditional admission may be granted to candidates with deficiencies in target language proficiency. Such candidates must successfully complete deficiency courses including, but not limited to, FRNH 443 - Advanced French Grammar and Composition and FRNH 444 - Advanced French Conversation. Graduate credit will not be granted for these courses.
4. Applications will be reviewed by the faculty of the language area of specialization.
5. Students must complete an oral proficiency interview in the language of their specialization.

## Program Requirements

Students in all programs must complete a cultural immersion experience of at least six weeks in a country where the target language is predominant. Students who believe they have already fulfilled this requirement may petition to have the requirement waived or reduced; if the petition is approved, the candidate may substitute up to six hours of restricted electives. Students may satisfy this requirement through the intensive immersion experience offered in their language program. Similar programs of study with corroborating documentation may be accepted upon approval of the faculty of the area of concentration. Students should select a study abroad program in consultation with a faculty adviser prior to enrollment in any such program.

Students must, in consultation with the instructor, complete a master’s research project in the FLAN 650 - Graduate Research Seminar course.

## Course Requirements

The M.A. in World Languages (French) requires 30 hours of course work to be distributed as follows:

### Required Courses: 21 hours

- FLAN 650 - Graduate Research Seminar 3
- FRNH 545 - Advanced French Phonetics 3 hrs
- FRNH 550 - French Civilization in Film 3 hrs
- FRNH 610 - Intensive French Abroad 6 hrs
- FRNH 620 - French Grammar and Syntax 3 hrs
- FRNH 621 - Advanced Conversation in French 3 hrs

### Restricted Elective Courses: 9 hours

### 400-level Courses:

*Nine hours at the 400-level:*

*\* A maximum of nine hours of undergraduate course work may be permitted in the earning of any graduate degree.*

## Courses Recommended for Current or Future Teachers:

*Graduate students who are current or future teachers may choose up to six hours of course work from the following courses:*

- FLAN 611 - Theory and Methods of Modern Language Teaching 3 hrs
- FLAN 612 - Methods of Teaching Modern Languages in the Elementary Grades 3 hrs
- FLAN 613 - Using Technology in the Foreign Language Classroom 3 hrs
- TSLN 501 - Theoretical Foundations of Second-Language Pedagogy 3 hrs
- TSLN 520 - Foreign Language Testing and Assessment 2 hrs

**Program Total: 30 hours**

## Undergraduate Courses for Graduate Credit: World Languages

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

### French Courses:

- FRNH 443 - Advanced French Grammar and Composition 3 hrs
- FRNH 444 - Advanced French Conversation 3 hrs
- FRNH 445 - French Phonetics 3 hrs
- FRNH 446 - Business French I 3 hrs
- FRNH 447 - Business French II 3 hrs
- FRNH 451 - Readings in French 1 hr
- FRNH 452 - Readings in French 2 hrs

### German Courses:

- GERN 425 - German Literature from the Middle Ages to the Baroque 3 hrs
- GERN 426 - German Literature from 1750-1850 3 hrs
- GERN 427 - German Literature from 1850-1945 3 hrs
- GERN 428 - German Literature and Film from 1945 to the Present 3 hrs
- GERN 441 - Survey of German Literature 800-Enlightenment 3 hrs
- GERN 442 - Survey of German Literature: Enlightenment to 1945 3 hrs
- GERN 443 - German Syntax and Advanced Composition 3 hrs
- GERN 444 - Advanced German Conversation 3 hrs
- GERN 451 - Readings in German 1 hr
- GERN 452 - Readings in German 2 hrs
- GERN 456 - Technical German I 3 hrs
- GERN 457 - Technical German II 3 hrs

### Japanese Courses:



- JPNE 494 - Seminar in Japanese Studies 3 hrs

## Spanish Courses:

- SPNH 402 - Advanced Readings in Spanish American Literature 3 hrs
- SPNH 444 - Advanced Spanish Conversation and Composition 3 hrs
- SPNH 445 - Spanish-American Prose 3 hrs
- SPNH 448 - Modern Drama 3 hrs
- SPNH 449 - Romanticism 3 hrs
- SPNH 450 - Spanish-American Theatre 3 hrs
- SPNH 454 - Modernism in Spanish America 3 hrs
- SPNH 455 - The Generation of 1898 3 hrs
- SPNH 456 - Scientific and Technical Spanish I 3 hrs
- SPNH 457 - Scientific and Technical Spanish II 3 hrs
- SPNH 465 - Modern Novel 3 hrs
- SPNH 471 - Culture and Literature of the Hispanic Groups in the United States 3 hrs
- SPNH 482 - Language of the Hispanic Groups in the United States 3 hrs

## General Language and Bilingual-Bicultural Education Courses:

- FLAN 412 - Methods of Teaching Modern Languages in the Elementary Grades 3 hrs
- FLAN 490 - Internship in Language and International Trade 3 hrs

## Master of Arts in World Languages (German) (MAWL-GERN)

Adviser: Genevieve Peden, Ph.D.

349 Alexander

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The goal of the Master of Arts in World Language - German program is to improve the cultural knowledge and linguistic proficiency of students, enhancing their professional skills and/or preparing them for further graduate study.

### Objectives

General objectives of the program include:

1. Development of advanced-high level skills in listening, speaking, reading and writing in the chosen foreign language;
2. Analysis of current cultural patterns, literary material and/or technical information; and
3. Acquisition of research skills.

### Admission Requirements

1. Candidates must hold undergraduate majors or minors in the language of their specialization, with an overall undergraduate grade point average of 2.75 and a grade point average of 3.0 in courses in the target language.
2. Candidates must complete an oral proficiency interview in the language of their specialization with a rating of "advanced low."

3. Conditional admission may be granted to candidates with deficiencies in target language proficiency. Such candidates must successfully complete deficiency courses including, but not limited to, GERN 443 - German Syntax and Advanced Composition and GERN 444 - Advanced German Conversation. Graduate credit will not be granted for these courses.
4. Applications will be reviewed by the faculty of the German program.

### **Program Requirements**

Students in all programs must complete a cultural immersion experience of at least six weeks in a German-speaking country. Students may satisfy this requirement through an EMU study abroad program in German, or through participation in a similar program of study sponsored by another accredited US university upon approval of the faculty of the German Program. Students should select a study abroad program in consultation with a faculty adviser prior to enrollment in any such program. Students who believe they have already fulfilled this requirement through previous experience may petition to have the requirement waived or reduced; if the petition is approved, the candidate may substitute up to six hours of restricted electives for the international study experience.

Students must, in consultation with the teacher, complete a master's research project in the FLAN 650 - Graduate Research Seminar course.

## **Course Requirements**

The M.A. in World Languages (German) requires 30 hours of course work to be distributed among required courses and restricted elective courses:

### **Required Courses: 21 hours**

- FLAN 650 - Graduate Research Seminar 3
- GERN 541 - Survey of German Literature: 800-Enlightenment 3 hrs
- GERN 542 - Survey of German Literature: Enlightenment to 1945 3 hrs
- GERN 610 - Intensive German in Europe 6 hrs
- GERN 620 - Advanced German Syntax and Composition 3 hrs
- GERN 621 - Advanced Conversation in German 3 hrs

### **Elective Courses: 9 hours**

*Nine hours from the 400-600 level:*

*\* A maximum of nine hours of undergraduate course work may be permitted in the earning of any graduate degree.*

- GERN 428 - German Literature and Film from 1945 to the Present 3 hrs
- GERN 590 - Special Topics 1 hr
- GERN 591 - Special Topics 2 hrs
- GERN 592 - Special Topics 3 hrs
- GERN 597 - Independent Study 1 hr
- GERN 598 - Independent Study 2 hrs
- GERN 599 - Independent Study 3 hrs
- GERN 646 - German Business Practices 3 hrs
- GERN 647 - German Business Practices 3 hrs
- GERN 679 - Special Topics 1 hr
- GERN 680 - Special Topics 2 hrs

- GERN 681 - Special Topics 3 hrs

## Courses Recommended for Current or Future Teachers:

*Graduate students who are current or future teachers may choose up to six hours of electives from the following courses:*

- FLAN 611 - Theory and Methods of Modern Language Teaching 3 hrs
- FLAN 612 - Methods of Teaching Modern Languages in the Elementary Grades 3 hrs
- FLAN 613 - Using Technology in the Foreign Language Classroom 3 hrs
- TSLN 501 - Theoretical Foundations of Second-Language Pedagogy 3 hrs
- TSLN 520 - Foreign Language Testing and Assessment 2 hrs

**Program Total: 30 hours**

## Undergraduate Courses for Graduate Credit: World Languages

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

### French Courses:

- FRNH 443 - Advanced French Grammar and Composition 3 hrs
- FRNH 444 - Advanced French Conversation 3 hrs
- FRNH 445 - French Phonetics 3 hrs
- FRNH 446 - Business French I 3 hrs
- FRNH 447 - Business French II 3 hrs
- FRNH 451 - Readings in French 1 hr
- FRNH 452 - Readings in French 2 hrs

### German Courses:

- GERN 425 - German Literature from the Middle Ages to the Baroque 3 hrs
- GERN 426 - German Literature from 1750-1850 3 hrs
- GERN 427 - German Literature from 1850-1945 3 hrs
- GERN 428 - German Literature and Film from 1945 to the Present 3 hrs
- GERN 441 - Survey of German Literature 800-Enlightenment 3 hrs
- GERN 442 - Survey of German Literature: Enlightenment to 1945 3 hrs
- GERN 443 - German Syntax and Advanced Composition 3 hrs
- GERN 444 - Advanced German Conversation 3 hrs
- GERN 451 - Readings in German 1 hr
- GERN 452 - Readings in German 2 hrs
- GERN 456 - Technical German I 3 hrs
- GERN 457 - Technical German II 3 hrs

## Japanese Courses:

- JPNE 494 - Seminar in Japanese Studies 3 hrs

## Spanish Courses:

- SPNH 402 - Advanced Readings in Spanish American Literature 3 hrs
- SPNH 444 - Advanced Spanish Conversation and Composition 3 hrs
- SPNH 445 - Spanish-American Prose 3 hrs
- SPNH 448 - Modern Drama 3 hrs
- SPNH 449 - Romanticism 3 hrs
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- SPNH 455 - The Generation of 1898 3 hrs
- SPNH 456 - Scientific and Technical Spanish I 3 hrs
- SPNH 457 - Scientific and Technical Spanish II 3 hrs
- SPNH 465 - Modern Novel 3 hrs
- SPNH 471 - Culture and Literature of the Hispanic Groups in the United States 3 hrs
- SPNH 482 - Language of the Hispanic Groups in the United States 3 hrs

## General Language and Bilingual-Bicultural Education Courses:

- FLAN 412 - Methods of Teaching Modern Languages in the Elementary Grades 3 hrs
- FLAN 490 - Internship in Language and International Trade 3 hrs

## Master of Arts in World Languages (Spanish) (MAWL-SPNH)

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The goal of the Master of Arts in World Languages - Spanish program is to improve the cultural knowledge and linguistic proficiency of students, enhancing their professional skills and/or preparing them for further graduate study.

### Objectives

General objectives of the program include:

1. Development of advanced-high level skills in listening, speaking, reading and writing in the chosen foreign language;
2. Analysis of current cultural patterns, literary material and/or technical information; and
3. Acquisition of research skills.

### Admission Requirements

1. Candidates must hold undergraduate majors or minors in the language of their specialization, with an overall undergraduate grade point average of 2.75 and a grade point average of 3.0 in courses in the target language.

2. Candidates must complete an oral proficiency interview in the language of their specialization with a rating of “advanced low.”
3. Conditional admission may be granted to candidates with deficiencies in target language proficiency. Such candidates must successfully complete deficiency courses including, but not limited to, SPNH 443 - Advanced Spanish Grammar and Composition and SPNH 444 - Advanced Spanish Conversation and Composition. Graduate credit will not be granted for these courses.
4. Applications will be reviewed by the faculty of the Spanish program.

### **Program Requirements**

Students in the program must complete a cultural immersion experience of at least six weeks in a country where Spanish is predominant. Students may satisfy this requirement through an EMU study abroad program in Spanish, or through participation in a similar program of study sponsored by another accredited U.S. university upon approval of the faculty of the Spanish program. Students should select a study abroad program in consultation with a faculty adviser prior to enrollment in any such program. Students who believe they have already fulfilled this requirement through previous experience may petition to have the requirement waived or reduced; if the petition is approved, the candidate may substitute up to six hours of restricted electives for the international study experience.

Students must, in consultation with the teacher, complete a Master's Research Project in the FLAN 650 - Graduate Research Seminar course.

## **Course Requirements:**

The M.A. in World Languages (Spanish) requires 30 hours of course work to be distributed as follows:

### **Required Courses: 18 hours**

- SPNH 543 - Spanish Grammar and Syntax 3 hrs
- SPNH 544 - Graduate Spanish Conversation 3 hrs
- SPNH 530 - Spanish Phonetics and Phonology 3 hrs
- SPNH 610 - Intensive Summer Program in Spanish 6 hrs
- FLAN 650 - Graduate Research Seminar 3

### **Restricted Elective Courses: 12 hours**

*Twelve hours from the following:*

### **Recommended for non-teacher track students:**

*\* A maximum of nine hours of undergraduate course work may be permitted in the earning of any graduate degree.*

*For non-teacher track students the most appropriate Restricted Elective courses from which to choose are:*

- SPNH 445 - Spanish-American Prose 3 hrs
- SPNH 448 - Modern Drama 3 hrs
- SPNH 449 - Romanticism 3 hrs
- SPNH 450 - Spanish-American Theatre 3 hrs
- SPNH 454 - Modernism in Spanish America 3 hrs
- SPNH 455 - The Generation of 1898 3 hrs

- SPNH 465 - Modern Novel 3 hrs
- SPNH 471 - Culture and Literature of the Hispanic Groups in the United States 3 hrs
- SPNH 501 - Advanced Readings in Spanish Literature 3 hrs
- SPNH 502 - Advanced Readings in Spanish American Literature 3 hrs
- SPNH 511 - The Cultures of Spain 3 hrs
- SPNH 512 - The Cultures of Spanish America 3 hrs
- SPNH 523 - Hispanic Linguistics 3 hrs
- SPNH 582 - U.S. Dialects of Spanish 3 hrs

## Recommended for teacher track students:

*For graduate students who are current or future teachers the most appropriate Restricted Elective courses from which to choose are:*

- TSLN 501 - Theoretical Foundations of Second-Language Pedagogy 3 hrs
- TSLN 520 - Foreign Language Testing and Assessment 2 hrs
- FLAN 611 - Theory and Methods of Modern Language Teaching 3 hrs
- FLAN 612 - Methods of Teaching Modern Languages in the Elementary Grades 3 hrs
- FLAN 613 - Using Technology in the Foreign Language Classroom 3 hrs

**Program Total: 30 hours**

## Undergraduate Courses for Graduate Credit: World Languages

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

### French Courses:

- FRNH 443 - Advanced French Grammar and Composition 3 hrs
- FRNH 444 - Advanced French Conversation 3 hrs
- FRNH 445 - French Phonetics 3 hrs
- FRNH 446 - Business French I 3 hrs
- FRNH 447 - Business French II 3 hrs
- FRNH 451 - Readings in French 1 hr
- FRNH 452 - Readings in French 2 hrs

### German Courses:

- GERN 425 - German Literature from the Middle Ages to the Baroque 3 hrs
- GERN 426 - German Literature from 1750-1850 3 hrs
- GERN 427 - German Literature from 1850-1945 3 hrs
- GERN 428 - German Literature and Film from 1945 to the Present 3 hrs
- GERN 441 - Survey of German Literature 800-Enlightenment 3 hrs

- GERN 442 - Survey of German Literature: Enlightenment to 1945 3 hrs
- GERN 443 - German Syntax and Advanced Composition 3 hrs
- GERN 444 - Advanced German Conversation 3 hrs
- GERN 451 - Readings in German 1 hr
- GERN 452 - Readings in German 2 hrs
- GERN 456 - Technical German I 3 hrs
- GERN 457 - Technical German II 3 hrs

## Japanese Courses:

- JPNE 494 - Seminar in Japanese Studies 3 hrs

## Spanish Courses:

- SPNH 402 - Advanced Readings in Spanish American Literature 3 hrs
- SPNH 444 - Advanced Spanish Conversation and Composition 3 hrs
- SPNH 445 - Spanish-American Prose 3 hrs
- SPNH 448 - Modern Drama 3 hrs
- SPNH 449 - Romanticism 3 hrs
- SPNH 450 - Spanish-American Theatre 3 hrs
- SPNH 454 - Modernism in Spanish America 3 hrs
- SPNH 455 - The Generation of 1898 3 hrs
- SPNH 456 - Scientific and Technical Spanish I 3 hrs
- SPNH 457 - Scientific and Technical Spanish II 3 hrs
- SPNH 465 - Modern Novel 3 hrs
- SPNH 471 - Culture and Literature of the Hispanic Groups in the United States 3 hrs
- SPNH 482 - Language of the Hispanic Groups in the United States 3 hrs

## General Language and Bilingual-Bicultural Education Courses:

- FLAN 412 - Methods of Teaching Modern Languages in the Elementary Grades 3 hrs
- FLAN 490 - Internship in Language and International Trade 3 hrs

## Bilingual-Bicultural Education

### **BILN 590 - Special Topics**

In-depth study of special areas in bilingual education of interest to practitioners and researchers. Subject matter will change from semester to semester. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

### **BILN 591 - Special Topics**

In-depth study of special areas in bilingual education of interest to practitioners and researchers. Subject matter will change from semester to semester. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

### **BILN 592 - Special Topics**

In-depth study of special areas in bilingual education of interest to practitioners and researchers. Subject matter will change from semester to semester. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

### **BILN 597 - Independent Study**

Intensive study of a problem under the direction of a member of the graduate faculty. Not more than six hours of independent study may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **BILN 598 - Independent Study**

Intensive study of a problem under the direction of a member of the graduate faculty. Not more than six hours of independent study may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **BILN 599 - Independent Study**

Intensive study of a problem under the direction of a member of the graduate faculty. Not more than six hours of independent study may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **BILN 622 - Teaching Hispanic Culture and Language**

The techniques and materials for teaching the language and culture of Hispanic groups within the bilingual classroom. Not open to students on academic probation.

**Credit Hours:** 3 hrs

**Prerequisites:** a minimum of 24 hours of field experience in a bilingual classroom required

### **BILN 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission



### **BILN 679 - Special Topics**

In-depth study of special areas in bilingual education of interest to practitioners and researchers. Subject matter will change from semester to semester. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

### **BILN 680 - Special Topics**

In-depth study of special areas in bilingual education of interest to practitioners and researchers. Subject matter will change from semester to semester. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

### **BILN 681 - Special Topics**

In-depth study of special areas in bilingual education of interest to practitioners and researchers. Subject matter will change from semester to semester. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

### **BILN 697 - Independent Study**

Intensive study of a problem under the direction of a member of the graduate faculty. Not more than six hours of independent study may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **BILN 698 - Independent Study**

Intensive study of a problem under the direction of a member of the graduate faculty. Not more than six hours of independent study may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **BILN 699 - Independent Study**

Intensive study of a problem under the direction of a member of the graduate faculty. Not more than six hours of independent study may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **English for International Students**

### **ESLN 512 - Academic Writing for International Graduate Students**

Students engage in extensive critical reading and analysis of discipline-specific topics and compose well-documented papers on the basis of their research using standard English conventions and documentation. Attention is given to grammatical accuracy and language usage in written assignments.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Corequisites:** ESLN 410

**Last Updated:** Links 06/2011

## **ESLN 515 - Graduate ESL Seminar in Academic Communication**

This course is designed for non-native speakers of English to improve their oral communication skills for participation in graduate-level classes in their degree program. Students read authentic academic texts and develop skills and strategies for oral presentations and critical response. A major emphasis is on having students learn academic vocabulary and enhance reading skills.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission.

## **ESLN 590 - Special Topics**

An intensive study of a specific topic to be determined by the instructor's field of specialization and student interest. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

## **ESLN 591 - Special Topics**

An intensive study of a specific topic to be determined by the instructor's field of specialization and student interest. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

## **ESLN 592 - Special Topics**

An intensive study of a specific topic to be determined by the instructor's field of specialization and student interest. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

## **ESLN 597 - Independent Study**

Intensive study of a problem under the direction of a member of the graduate faculty. Not more than six hours of independent study may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **ESLN 598 - Independent Study**

Intensive study of a problem under the direction of a member of the graduate faculty. Not more than six hours of independent study may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **ESLN 599 - Independent Study**

Intensive study of a problem under the direction of a member of the graduate faculty. Not more than six hours of independent study may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **ESLN 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **ESLN 679 - Special Topics**

An intensive study of a specific topic to be determined by the instructor's field of specialization and student interest. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **ESLN 680 - Special Topics**

An intensive study of a specific topic to be determined by the instructor's field of specialization and student interest. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **ESLN 681 - Special Topics**

An intensive study of a specific topic to be determined by the instructor's field of specialization and student interest. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **ESLN 697 - Independent Study**

Intensive study of a language-related problem for students of English as a second language, under the direction of a member of the graduate faculty.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **ESLN 698 - Independent Study**

Intensive study of a language-related problem for students of English as a second language, under the direction of a member of the graduate faculty.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **ESLN 699 - Independent Study**

Intensive study of a language-related problem for students of English as a second language, under the direction of a member of the graduate faculty.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **French**

### **FRNH 443 - Advanced French Grammar and Composition**

An advanced study of the morphology and syntax for French. Students will further develop their knowledge of the deep structure and lexicon of the language through translation and compositions on a wide variety of topics, demonstrating mastery of idioms, stylistic levels, textual comprehension and an awareness of the distinction between English and French. In French.

**Credit Hours:** 3 hrs

**Prerequisites:** FRNH 343

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Description 07/2011; Graduate Credit 07/2011; Links 06/2011

### **FRNH 444 - Advanced French Conversation**

Development of advanced oral proficiency. Emphasizes pronunciation, acquisition of vocabulary and idioms for daily life, advanced sentence structures. Advanced presentation and practice of phonological principles. Includes a formal proficiency assessment in French.

**Credit Hours:** 3 hrs

**Prerequisites:** FRNH 343 and FRNH 344 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

### **FRNH 445 - French Phonetics**

Study of the sound system of the French language including both theory and practice. Major focus on the International Phonetic Alphabet as it applies to French. Lecture and practical exercises in class. In French.

**Credit Hours:** 3 hrs

**Prerequisites:** FRNH 344

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **FRNH 446 - Business French I**

Study of principles and practices of business communication in France with emphasis on business correspondence and translation. Introduction to the French economy including business law, industry, business and services. In French.

**Credit Hours:** 3 hrs

**Prerequisites:** FRNH 361 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **FRNH 447 - Business French II**

Further study of business practices, business law and the French economy. Emphasis on business correspondence and translation and on French ties with the European economic community, the U.S., the East, developing countries and Francophone countries. Prepares student for language proficiency examinations (CCIP diplomas). In French.

**Credit Hours:** 3 hrs

**Prerequisites:** FRNH 446 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

## **FRNH 451 - Readings in French**

Special projects in directed readings for majors and minors who have completed the available offerings in French or who, because of most unusual circumstances, are granted department approval to substitute one or both of these for the regular courses.

**Credit Hours:** 1 hr

**Prerequisites:** FRNH 341, FRNH 342 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **FRNH 452 - Readings in French**

Special projects in directed readings for majors and minors who have completed the available offerings in French or who, because of most unusual circumstances, are granted department approval to substitute one or both of these for the regular courses.

**Credit Hours:** 2 hrs

**Prerequisites:** FRNH 341, FRNH 342 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **FRNH 545 - Advanced French Phonetics**

Study of the sound system of the French language including both theory and practice. Major focus on the International Phonetic Alphabet as it applies to French. Lecture and practical exercises in class. In French.

**Credit Hours:** 3 hrs

## **FRNH 550 - French Civilization in Film**

The purpose of this course is to study a number of French films and distinguish between fiction and reality as portrayed in the film. Students will research the era and compare the events shown in the film with the societal or historical facts found in their research.

**Credit Hours:** 3 hrs

**Prerequisites:** FRNH 443 or FRNH 444

**Last Updated:** Links 05/2011

## **FRNH 590 - Special Topics**

An intensive study of a specific area of French language or literature, to be determined by the instructor's field of specialization and student interest. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Repeatable:** This course may be repeated for credit with departmental permission.

## **FRNH 591 - Special Topics**

An intensive study of a specific area of French language or literature, to be determined by the instructor's field of specialization and student interest. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Repeatable:** This course may be repeated for credit with departmental permission.

## **FRNH 592 - Special Topics**

An intensive study of a specific area of French language or literature, to be determined by the instructor's field of specialization and student interest. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Repeatable:** This course may be repeated for credit with departmental permission.

## **FRNH 597 - Independent Study**

Intensive study of a problem under the direction of a member of the graduate faculty. Not more than six hours of independent study may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Repeatable:** This course may be repeated for credit with departmental permission.

## **FRNH 598 - Independent Study**

Intensive study of a problem under the direction of a member of the graduate faculty. Not more than six hours of independent study may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Repeatable:** This course may be repeated for credit with departmental permission.

### **FRNH 599 - Independent Study**

Intensive study of a problem under the direction of a member of the graduate faculty. Not more than six hours of independent study may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Repeatable:** This course may be repeated for credit with departmental permission.

### **FRNH 610 - Intensive French Abroad**

An intensive summer course offered in a French-speaking environment. Instruction emphasizes improvement of listening comprehension and speaking skill. Various levels of instruction suited to student needs.

**Credit Hours:** 6 hrs

**Repeatable:** May be repeated for credit.

### **FRNH 616 - French (Four Skills) for Non-majors**

Introduction to and practice in four skills (listening, speaking, reading, writing) of French.

**Credit Hours:** 3 hrs

### **FRNH 620 - French Grammar and Syntax**

An advanced course in grammar and syntax. Intended to give a solid basis for oral and written expression, and for teaching of French.

**Credit Hours:** 3 hrs

### **FRNH 621 - Advanced Conversation in French**

A continuation of advanced conversation with emphasis on attaining fluency at all levels pertinent to professional and cultural needs. Discussions and oral reports on periodical literature.

**Credit Hours:** 3 hrs

**Repeatable:** May be repeated for credit.

### **FRNH 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **FRNH 646 - French Economy and Business Practices I**

Advanced course in business communications, translation techniques and French business practices. Study of French economy, energy, industry, commerce, agriculture and services; demographic and political trends. In French.

**Credit Hours:** 3 hrs

**Prerequisites:** FRNH 620 and FRNH 621, or department permission

**Last Updated:** Links 05/2011

## **FRNH 647 - French Economy and Business Practices II**

Continuation of FRNH 646. Study of French economy as it relates to the European Union, the United States, the East, the developing countries and the francophone countries. Upon completion of this course, students are eligible to take language proficiency examinations, leading to the CCIP diplomas. In French.

**Credit Hours:** 3 hrs

**Prerequisites:** FRNH 646 or department permission

**Last Updated:** Links 05/2011

## **FRNH 679 - Special Topics**

An intensive study of a specific area of French language or literature, to be determined by the instructor's field of specialization and student interest. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Repeatable:** May be repeated for credit with permission.

## **FRNH 680 - Special Topics**

An intensive study of a specific area of French language or literature, to be determined by the instructor's field of specialization and student interest. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Repeatable:** May be repeated for credit with permission.

## **FRNH 681 - Special Topics**

An intensive study of a specific area of French language or literature, to be determined by the instructor's field of specialization and student interest. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Repeatable:** May be repeated for credit with permission.

## **FRNH 692 - Research Paper**

An intensive research into a specific area of French language or literature to be determined by the instructor's field of specialization and student interest.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Repeatable:** May be repeated for credit with permission.



## **FRNH 697 - Independent Study**

Intensive study of a problem under the direction of a member of the graduate faculty. Not more than six hours of independent study may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **FRNH 698 - Independent Study**

Intensive study of a problem under the direction of a member of the graduate faculty. Not more than six hours of independent study may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **FRNH 699 - Independent Study**

Intensive study of a problem under the direction of a member of the graduate faculty. Not more than six hours of independent study may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **General Foreign Language and Bilingual-Bicultural**

### **FLAN 412 - Methods of Teaching Modern Languages in the Elementary Grades**

This course is designed to prepare students who have already earned secondary teaching certificates in French, German, Japanese and Spanish for careers as foreign language teachers in elementary (K-6) school settings.

**Credit Hours:** 3 hrs

**Prerequisites:** FLAN 411; department permission

**Class Restrictions:** Senior standing

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

### **FLAN 490 - Internship in Language and International Trade**

An opportunity for the student to extend theoretical classroom learning through working experience in an appropriate setting. Field experience will be supplemented by regular meetings with the faculty supervisors.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Notes:** Offered on a credit/no-credit basis.

**Last Updated:** Graduate Credit 07/2011

### **FLAN 540 - Cultural Issues in Teaching Languages**

Addresses prospective language teachers' need to understand the effect of various cultural values on language learning and teaching to develop techniques that will enhance their students' learning.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Last Updated:** 03/2011

### **FLAN 590 - Special Topics**

An intensive study of a specific topic to be determined by the instructor's field of specialization and student interest. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Repeatable:** Special topics courses may be repeated for credit.

### **FLAN 591 - Special Topics**

An intensive study of a specific topic to be determined by the instructor's field of specialization and student interest. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Repeatable:** Special topics courses may be repeated for credit.

### **FLAN 592 - Special Topics**

An intensive study of a specific topic to be determined by the instructor's field of specialization and student interest. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Repeatable:** Special topics courses may be repeated for credit.

### **FLAN 597 - Independent Study**

Intensive study of a problem under the direction of a member of the graduate faculty. Not more than six hours of independent study may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **FLAN 598 - Independent Study**

Intensive study of a problem under the direction of a member of the graduate faculty. Not more than six hours of independent study may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **FLAN 599 - Independent Study**

Intensive study of a problem under the direction of a member of the graduate faculty. Not more than six hours of independent study may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **FLAN 611 - Theory and Methods of Modern Language Teaching**

The history, theory and techniques of modern language teaching.

**Credit Hours:** 3 hrs

**Major Restrictions:** Major or Minor in Foreign Language or department permission

## **FLAN 612 - Methods of Teaching Modern Languages in the Elementary Grades**

This course addresses the history, philosophy, rationale, and curriculum, as well as developmentally-appropriate techniques, materials, and assessment for teaching foreign languages in the elementary grades.

**Credit Hours:** 3 hrs

**Prerequisites:** FLAN 611

**Last Updated:** Links 05/2011

## **FLAN 613 - Using Technology in the Foreign Language Classroom**

This course focuses on the review, development and integration of audio, computer-assisted and video-interactive technologies in the foreign language classroom.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **FLAN 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through Continuous Enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **FLAN 650 - Graduate Research Seminar**

This interdisciplinary course will focus on research methods, scholarly exchange, participation in class activities and discussions, and the preparation of oral and written reports on individual research projects. It will expose students to research in the field of world languages, while helping them refine their ideas and undertake and complete a Master's Research Project.

**Credit Hours:** 3

**Prerequisites:** Department Permission

**Major Restrictions:** Only open to students in the Master's in World Languages and the Certificate in Hispanic Studies

**Last Updated:** 07/2011

## **FLAN 679 - Special Topics**

An intensive study of specific areas of foreign language or literature, to be determined by the instructor's field of specialization and student interest. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Repeatable:** This course may be repeated for credit with departmental permission.

### **FLAN 680 - Special Topics**

An intensive study of specific areas of foreign language or literature, to be determined by the instructor's field of specialization and student interest. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Repeatable:** This course may be repeated for credit with departmental permission.

### **FLAN 681 - Special Topics**

An intensive study of specific areas of foreign language or literature, to be determined by the instructor's field of specialization and student interest. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Repeatable:** This course may be repeated for credit with departmental permission.

### **FLAN 688 - Internship in Language and International Trade**

Provides an opportunity for the graduate student to extend theoretical classroom learning through working experience in an appropriate setting. The World Languages Department, in cooperation with the College of Business, will arrange and supervise suitable assignments in firms conducting international business. A minimum of 10 hours per week in the field will be supplemented by regular meetings with the faculty supervisors.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **FLAN 690 - Thesis**

Completion of research problem, writing thesis and defense of thesis.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **FLAN 691 - Thesis**

Completion of research problem, writing thesis and defense of thesis.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **FLAN 692 - Thesis**

Completion of research problem, writing thesis and defense of thesis.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **FLAN 695 - Seminar in Bilingual-Bicultural Education**

Each semester, different topics are selected for intensive study by advanced students. The course consists of a review and discussion of contemporary issues in bilingual-bicultural education, following which, students select areas for research. Emphasis in seminar meetings on exchange of ideas and information developed through the research.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Notes:** Taught in Spanish/English.

### **FLAN 697 - Independent Study**

Intensive study of a problem under the direction of a member of the graduate faculty.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **FLAN 698 - Independent Study**

Intensive study of a problem under the direction of a member of the graduate faculty.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **FLAN 699 - Independent Study**

Intensive study of a problem under the direction of a member of the graduate faculty.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **German**

### **GERN 425 - German Literature from the Middle Ages to the Baroque**

Readings from the period are discussed in class meetings and taken as topics for student essays and reports. The literature is considered in the broad context of culture. In German.

**Credit Hours:** 3 hrs

**Prerequisites:** GERN 442 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; 06/2011

### **GERN 426 - German Literature from 1750-1850**

The literature of Germany from the preclassical period through Romanticism is discussed in class meetings and treated in student essays and reports. Perspectives of the other arts and of political and social developments enable the student to appreciate the literature in the context of European civilization. In German.

**Credit Hours:** 3 hrs

**Prerequisites:** GERN 442 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; 06/2011

### **GERN 427 - German Literature from 1850-1945**

Selections from the literature of Poetic Realism, Biedermeier, Naturalism, Neo-Romanticism and Expressionism viewed against the background of political and cultural history. Classroom discussion and student reports. In German.

**Credit Hours:** 3 hrs

**Prerequisites:** GERN 442 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; 06/2011

### **GERN 428 - German Literature and Film from 1945 to the Present**

This course explores how literary works and films have shaped the cultural life in post-war German-speaking countries of Europe. Classroom discussions, papers and reports. In German.

**Credit Hours:** 3 hrs

**Prerequisites:** GERN 442

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; 06/2011

### **GERN 441 - Survey of German Literature 800-Enlightenment**

This course is an introduction to representative works from the earliest period of German literature and culture through the *Enlightenment*. This includes a close analysis of literary texts, an introduction to scholarly terminology, and developing critical thinking skills in German. Students will also gain exposure to developments in literary criticism.

**Credit Hours:** 3 hrs

**Prerequisites:** GERN 343, GERN 344 and GERN 366; department permission

**Class Restrictions:** Sophomore standing

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011; 03/2011

### **GERN 442 - Survey of German Literature: Enlightenment to 1945**

This course begins with the Sturm und Drang period (1767-1790) and traces the development of German literature up through 1945. Representative literary texts will be analyzed against the backdrop of their socio-historical context and in light of contemporary criticism and cultural movements of the time.

**Credit Hours:** 3 hrs

**Prerequisites:** GERN 343, GERN 344, GERN 366 and GERN 441 or instructor approval; department permission

**Class Restrictions:** Sophomore standing

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

## **GERN 443 - German Syntax and Advanced Composition**

Builds on the foundation in written expression acquired in GERN 343. Intensive vocabulary and idiomatic writing; treatment of the more complex structural features of German and stylistics. Frequent assignments increase the student's ability to write for a variety of purposes.

**Credit Hours:** 3 hrs

**Prerequisites:** GERN 343 and GERN 344 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **GERN 444 - Advanced German Conversation**

Development of advanced conversational fluency. A variety of media are employed to increase the student's facility in oral comprehension, and to stimulate conversational exchange among the class members.

**Credit Hours:** 3 hrs

**Prerequisites:** GERN 343 and GERN 344 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **GERN 451 - Readings in German**

Special projects in directed reading for majors and minors who have completed the available offerings in German or who, because of most unusual circumstances, are granted department approval to substitute this for the regular courses.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

## **GERN 452 - Readings in German**

Special projects in directed reading for majors and minors who have completed the available offerings in German or who, because of most unusual circumstances, are granted department approval to substitute this for the regular courses.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

## **GERN 456 - Technical German I**

Specialized vocabulary and jargon used in selected fields of technology. Basic technical concepts and terminology that students may encounter in German industry. Development of oral and reading facility as well as accurate translation of technical documents. Selected aspects of electronics, wood and metalworking, metallurgy, brake systems, computers, robotics, and auto production. Content areas will occasionally be changed and updated in order to keep pace with changed student needs and changes in technology.

**Credit Hours:** 3 hrs

**Prerequisites:** GERN 343 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **GERN 457 - Technical German II**

Specialized vocabulary and jargon used in selected fields of technology. Basic technical concepts and terminology that students may encounter in German industry. Development of oral and reading facility as well as accurate translation of technical documents. Selected aspects of internal combustion engines, fuel systems, and the petroleum industry. Content areas will occasionally be changed and updated in order to keep pace with changed student needs and changes in technology.

**Credit Hours:** 3 hrs

**Prerequisites:** GERN 456 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

## **GERN 541 - Survey of German Literature: 800-Enlightenment**

This is an introduction to representative works from the earliest period of German literature and culture through the *Enlightenment*. This includes a close analysis of literary texts, an introduction to scholarly terminology, and developing critical thinking skills in German. Students will also gain exposure to developments in literary criticism.

**Credit Hours:** 3 hrs

**Prerequisites:** GERN 443 and GERN 444 or instructor approval

**Major Restrictions:** Master of Arts in World Languages

**Last Updated:** Links 03/2011

## **GERN 542 - Survey of German Literature: Enlightenment to 1945**

This course begins with the enlightenment period and traces the development of German literature up through 1945. Representative literary texts will be analyzed against the backdrop of their socio-historical context and in light of contemporary criticism and cultural movements of the time.

**Credit Hours:** 3 hrs

**Prerequisites:** GERN 441, GERN 443 and GERN 444 or instructor approval

**Major Restrictions:** Master of Arts in World Languages

**Last Updated:** Links 03/2011

## **GERN 590 - Special Topics**

An intensive study of a specific area of German language or literature, to be determined by the instructor's field of specialization and student interest. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Repeatable:** This course may be repeated for credit with permission.

## **GERN 591 - Special Topics**

An intensive study of a specific area of German language or literature, to be determined by the instructor's field of specialization and student interest. Not more than six hours of special topics may be used on a degree program.



**Credit Hours:** 2 hrs

**Repeatable:** This course may be repeated for credit with permission.

### **GERN 592 - Special Topics**

An intensive study of a specific area of German language or literature, to be determined by the instructor's field of specialization and student interest. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Repeatable:** This course may be repeated for credit with permission.

### **GERN 593 - Reading Knowledge of German**

This course (taught in English) teaches students how to read, understand and translate a variety of authentic German texts, including scientific writings based on the majors of the participants. Students will learn basic German grammar and the most important principles of translation as well as how to use dictionaries.

**Credit Hours:** 3 hrs

### **GERN 597 - Independent Study**

Intensive study of a problem, under the direction of a member of the graduate faculty. Not more than six hours of independent study may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **GERN 598 - Independent Study**

Intensive study of a problem, under the direction of a member of the graduate faculty. Not more than six hours of independent study may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **GERN 599 - Independent Study**

Intensive study of a problem, under the direction of a member of the graduate faculty. Not more than six hours of independent study may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **GERN 610 - Intensive German in Europe**

An intensive summer course offered in Austria or Germany. Instruction emphasizes improvement of listening comprehension and speaking skill. Various levels of instruction suited to student needs.

**Credit Hours:** 6 hrs

**Repeatable:** May be repeated for credit.

## **GERN 620 - Advanced German Syntax and Composition**

An advanced course in grammar, syntax and composition. Intended to give a solid basis for oral and written expression.

**Credit Hours:** 3 hrs

## **GERN 621 - Advanced Conversation in German**

A continuation of advanced conversation with emphasis on attaining fluency at all levels pertinent to professional needs.

**Credit Hours:** 3 hrs

## **GERN 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **GERN 646 - German Business Practices**

The course teaches the correct usage of German economic and financial vocabulary, and trains the students in the reading, writing and translating of German business communications. German language periodicals and journals are used.

**Credit Hours:** 3 hrs

## **GERN 647 - German Business Practices**

The course teaches the correct usage of German economic and financial vocabulary, and trains the students in the reading, writing and translating of German business communications. German language periodicals and journals are used.

**Credit Hours:** 3 hrs

## **GERN 679 - Special Topics**

An intensive study of a specific area of German language or literature, to be determined by the instructor's field of specialization and student interest. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Repeatable:** This course may be repeated for credit with permission.

## **GERN 680 - Special Topics**

An intensive study of a specific area of German language or literature, to be determined by the instructor's field of specialization and student interest. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Repeatable:** This course may be repeated for credit with permission.

## **GERN 681 - Special Topics**

An intensive study of a specific area of German language or literature, to be determined by the instructor's field of specialization and student interest. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Repeatable:** This course may be repeated for credit with permission.

## **GERN 697 - Independent Study**

Intensive study of a problem, under the direction of a member of the graduate faculty. Not more than six hours of independent study may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **GERN 698 - Independent Study**

Intensive study of a problem, under the direction of a member of the graduate faculty. Not more than six hours of independent study may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **GERN 699 - Independent Study**

Intensive study of a problem, under the direction of a member of the graduate faculty. Not more than six hours of independent study may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **Japanese**

### **JPNE 494 - Seminar in Japanese Studies**

Required of students majoring in teaching Japanese language and culture. Extensive study and discussion of issues related to Japanese society and to language structures. Students are required to apply Japanese language skills in research, presentations and papers.

**Credit Hours:** 3 hrs

**Prerequisites:** JPNE 446 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

### **JPNE 544 - Graduate Japanese Conversation**

A continuation of advanced conversation with emphasis on attaining advanced communicative skills pertinent to professional and cultural needs.

**Credit Hours:** 3 hrs  
**Prerequisites:** JPNE 444 or department permission  
**Last Updated:** Links 06/2011

### **JPNE 546 - Japanese for Business Practices I**

These courses teach the correct usage of Japanese economic and financial vocabulary and train the students in reading, writing and translating Japanese business communications.

**Credit Hours:** 3 hrs  
**Prerequisites:** JPNE 444 or department permission  
**Last Updated:** Links 06/2011

### **JPNE 547 - Japanese for Business Practices II**

This course teaches the correct usage of Japanese economic and financial vocabulary and trains the students in reading, writing and translating Japanese business communications. This course is a continuation of JPNE 546.

**Credit Hours:** 3 hrs  
**Prerequisites:** JPNE 546 or department permission  
**Last Updated:** Links 05/2011

### **JPNE 590 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education and industry. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr  
**Prerequisites:** graduate standing or department permission

### **JPNE 591 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education and industry. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs  
**Prerequisites:** graduate standing or department permission

### **JPNE 592 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education and industry. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs  
**Prerequisites:** graduate standing or department permission

### **JPNE 593 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education and industry. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 4 hrs

**Prerequisites:** graduate standing or department permission

### **JPNE 594 - Intensive Seminar in Japanese Studies**

Different topics are selected each semester for intensive study by advanced students. The course consists of review and discussion of contemporary issues in Japanese language and culture, based on research projects and review of the pertinent literature carried out by the student. Emphasis in seminar meetings on exchange of ideas and information developed in the research.

**Credit Hours:** 3 hrs

**Prerequisites:** JPNE 544 or department permission

**Last Updated:** Links 05/2011

### **JPNE 597 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **JPNE 598 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **JPNE 599 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **JPNE 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **Spanish**

### **SPNH 401 - Advanced Readings in Spanish Literature**

Students will read, analyze and discuss in class a selection of representative and challenging works of Spanish literature from a variety of genres (poetry, prose, theater), and from a variety of historical periods. Course readings will be discussed in their

historical, cultural and social contexts, and with regard to related literary trends and critical theories. *In Spanish.*

**Credit Hours:** 3 hrs

**Prerequisites:** SPNH 343 or departmental permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Course Revisions:** This course will have a prerequisite change from "SPNH 343 or department permission" to "SPNH 322 or department permission," effective Winter 2013.

**Last Updated:** Prerequisite Change 05/2012, effective Winter 2013; Graduate Credit 07/2011; 03/2011

## **SPNH 402 - Advanced Readings in Spanish American Literature**

Students will read, analyze and discuss a selection of representative and challenging works of Spanish-American literature from multiple historical periods and genres (poetry, prose, theatre). Course readings will be discussed in their historical, cultural and social contexts, and with regard to related literary trends and critical theories. *In Spanish.*

**Credit Hours:** 3 hrs

**Prerequisites:** SPNH 343 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Course Revisions:** This course will have a prerequisite change from "SPNH 343 or department permission" to "SPNH 322 or department permission," effective Winter 2013.

**Last Updated:** Prerequisite Change 05/2012, effective Winter 2013; Graduate Credit 07/2011; 03/2011

## **SPNH 444 - Advanced Spanish Conversation and Composition**

Emphasis on greater oral facility, acquisition of additional vocabulary and idioms, advanced sentence structures and frequent written compositions.

**Credit Hours:** 3 hrs

**Prerequisites:** SPNH 343 and SPNH 344 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; 03/2011

## **SPNH 445 - Spanish-American Prose**

A study of selected topics in Spanish-American literature. May be repeated for credit if the material of the course is in another area. *In Spanish.*

**Credit Hours:** 3 hrs

**Prerequisites:** SPNH 402 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; 03/2011

## **SPNH 448 - Modern Drama**

The development of modern Spanish drama and its various types. Works of the principal dramatists of the 19th and 20th centuries. *In Spanish.*

**Credit Hours:** 3 hrs

**Prerequisites:** SPNH 401 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; 03/2011

### **SPNH 449 - Romanticism**

A study of the major works of Hispanic Romanticism.

**Credit Hours:** 3 hrs

**Prerequisites:** SPNH 401 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Notes:** In Spanish.

**Last Updated:** Graduate Credit 07/2011; 03/2011

### **SPNH 450 - Spanish-American Theatre**

A study of the theatre in Spanish America from its beginning to the present. In Spanish.

**Credit Hours:** 3 hrs

**Prerequisites:** SPNH 402 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; 03/2011

### **SPNH 454 - Modernism in Spanish America**

A survey of the literary movement known as "modernismo" in the literature of Spanish America. In Spanish.

**Credit Hours:** 3 hrs

**Prerequisites:** SPNH 402 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; 03/2011

### **SPNH 455 - The Generation of 1898**

A study of the works of the main authors of the generation of 1898, from Unamuno to Ortega y Gasset. In Spanish.

**Credit Hours:** 3 hrs

**Prerequisites:** SPNH 401 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; 03/2011

### **SPNH 456 - Scientific and Technical Spanish I**

Study of the fundamental Spanish terminology required for scientific and technical contexts, including basic vocabulary for mathematics, geometry and physics. In-depth study of at least one scientific or technical field (e.g., automobile industry, automated processes). Students will explore the vocabulary and resources in their chosen fields.

**Credit Hours:** 3 hrs

**Prerequisites:** SPNH 343 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **SPNH 457 - Scientific and Technical Spanish II**

Study of the fundamental Spanish terminology required for scientific and technical contexts, including basic vocabulary for computers, chemistry and biology. In-depth study of at least one scientific or technical field (e.g., data processing, nutrition). Students will explore the vocabulary and resources in their chosen fields.

**Credit Hours:** 3 hrs

**Prerequisites:** SPNH 456 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

## **SPNH 465 - Modern Novel**

Study of the development of the modern novel in Spain during the 19th and 20th centuries. Representative novels will be read and discussed in Spanish.

**Credit Hours:** 3 hrs

**Prerequisites:** SPNH 401 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; 03/2011

## **SPNH 471 - Culture and Literature of the Hispanic Groups in the United States**

A study of the cultures of the major Hispanic groups in the U.S. The study of representative literary works is intended to lead to an increased appreciation of the cultural roots and current life styles of these groups. In Spanish. A minimum of 24 hours of field experience required.

**Credit Hours:** 3 hrs

**Prerequisites:** SPNH 322, or Department Permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Prerequisite added 11/2012, effective Winter 2013; Graduate Credit 07/2011

## **SPNH 482 - Language of the Hispanic Groups in the United States**

A survey of present-day social and regional variations in the Spanish spoken in the U.S. and the historical background of these variations. In Spanish. A minimum of 24 hours of field experience required.

**Credit Hours:** 3 hrs

**Prerequisites:** an introductory course in linguistics or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

## **SPNH 501 - Advanced Readings in Spanish Literature**

Students will read analyze and discuss in class a selection of representative and challenging works of Spanish literature from a variety of genres (poetry, prose, theater), and from a variety of historical periods. Course readings will be discussed in their historical, cultural and social contexts, and with regard to related literary trends and critical theories. *In Spanish*

**Credit Hours:** 3 hrs

**Prerequisites:** Department Permission

**Last Updated:** New Course 11/2012, effective Winter 2013



## **SPNH 502 - Advanced Readings in Spanish American Literature**

Students will read analyze and discuss in class a selection of representative and challenging works of Spanish-American literature from a multiple historical periods and genres (poetry, prose, theater). Course readings will be discussed in their historical, cultural and social contexts, and with regard to related literary trends and critical theories. *In Spanish*

**Credit Hours:** 3 hrs

**Prerequisites:** Department Permission

**Last Updated:** New Course 11/2012, effective Winter 2013

## **SPNH 511 - The Cultures of Spain**

Overview of the core components of the study of the Spanish language: phonology, morphology, syntax, semantics, pragmatics, history of the language and language variation. At each level of analysis, selected comparisons are made between Spanish and English and between Spanish and other languages. *In Spanish.*

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Last Updated:** New Course 07/2011, effective Fall 2011

## **SPNH 512 - The Cultures of Spanish America**

Overview of the core components of the study of the Spanish language: phonology, morphology, syntax, semantics, pragmatics, history of the language and language variation. At each level of analysis, selected comparisons are made between Spanish and English and between Spanish and other languages. *In Spanish.*

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Last Updated:** New Course 07/2011, effective Fall 2011

## **SPNH 520 - Introduction to Translation (Spanish/English, English/Spanish)**

Students will learn basic translation theory and its techniques and processes. They will undertake written exercises on all aspects of translation and will also translate sample documents from various professional fields, from English into Spanish and Spanish into English. The professional subject matter will change each time the course is offered.

**Credit Hours:** 3 hrs

**Prerequisites:** SPNH 343, SPNH 344, SPNH 443W, and department permission

**Concurrent Prerequisites:** SPNH 443W

**Last Updated:** New Course 07/2011, effective Fall 2011

## **SPNH 523 - Hispanic Linguistics**

Overview of the core components of the study of the Spanish language: phonology, morphology, syntax, semantics, pragmatics, history of the language and language variation. At each level of analysis, selected comparisons are made between Spanish and English and between Spanish and other languages. *In Spanish.*

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Repeatable:** No

**Last Updated:** New Course 07/2011, effective Winter 2012

## **SPNH 530 - Spanish Phonetics and Phonology**

A comprehensive study of the sound system of Spanish, including the difference between phonetics and phonology, and the representation of the sound patterns of the language (phonetic transcription). In addition, the course discusses dialectical variation between varieties of Spanish insofar as the phonetic and phonological inventories are affected. *In Spanish.*

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Previously Listed as:** SPNH 519

**Last Updated:** Course Number/Title/Credit Hour/Prerequisite Changes 07/2011, effective Winter 2012

## **SPNH 543 - Spanish Grammar and Syntax**

The morphological and syntactical structure of Spanish.

**Credit Hours:** 3 hrs

**Prerequisites:** SPNH 443 or equivalent

**Previously Listed as:** SPNH 620

**Course Revisions:** This course will have a credit hour change from 2 hrs to 3 hrs, effective Winter 2013. The course revision also includes a prerequisite change from "SPNH 443 or equivalent" to "department permission."

**Last Updated:** Credit Hour and Prerequisite Change 05/2012, effective Winter 2013; Course Number 07/2011; Links 06/2011

## **SPNH 544 - Graduate Spanish Conversation**

A continuation of advanced conversation with emphasis on matters of diction and style.

**Credit Hours:** 3 hrs

**Prerequisites:** SPNH 444 or equivalent

**Previously Listed as:** SPNH 621

**Repeatable:** May be repeated for supplementary credit.

**Course Revisions:** This course will have a credit hour change from 2 hrs to 3 hrs, effective Winter 2013. The course revision also includes a prerequisite change from "SPNH 444" to "department permission."

**Last Updated:** Credit Hour and Prerequisite Change 05/2012, effective Winter 2013; Course Number 07/2011; Links 05/2011

## **SPNH 546 - Spanish for Business Practices**

These courses teach the correct usage of Hispanic business and financial vocabulary, train the students in the reading, writing and translation of Spanish commercial documents, and familiarize students with relevant bibliographical resources.

**Credit Hours:** 3 hrs

**Previously Listed as:** SPNH 646

**Notes:** Cannot be taken for credit by students who received credit for SPNH446 Business Spanish.

**Last Updated:** 03/2011; Course Number 07/2011, effective Winter 2012

## **SPNH 547 - Spanish for Business Practices**

These courses teach the correct usage of Hispanic business and financial vocabulary, train the students in the reading, writing and translation of Spanish commercial documents, and familiarize students with relevant bibliographical resources.

**Credit Hours:** 3 hrs

**Previously Listed as:** SPNH 647

**Notes:** Cannot be taken for credit by students who received credit for SPNH 447 Business Spanish.

**Last Updated:** 03/2011; Course Number 07/2011, effective Winter 2012

## **SPNH 567 - Introduction to Spanish Interpretation**

Introductory course in consecutive interpreting for the professions. Compare modes of expression and introduce theoretical aspects and practical techniques of interpreting using simulations. Students interpret from English into Spanish and Spanish into English. Professional area changes each time offered. Students also do a field project and write a research paper on an aspect of interpreting.

**Credit Hours:** 3 hrs

**Prerequisites:** Department Permission

**Last Updated:** New Course 11/2012, effective Winter 2013

## **SPNH 582 - U.S. Dialects of Spanish**

A study of the dialects of Spanish spoken in the United States, including their historical background and their modification through contact with English. A minimum of 24 hours of field experience will be required.

**Credit Hours:** 3 hrs

**Prerequisites:** an introductory course in linguistics

**Previously Listed as:** SPNH 682

**Last Updated:** Course Number 07/2011, effective Winter 2012

## **SPNH 590 - Special Topics**

An intensive study of a specific area of Spanish language or literature, to be determined by the instructor's field of specialization and student interest. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Repeatable:** This course may be repeated for credit with permission.

## **SPNH 591 - Special Topics**

An intensive study of a specific area of Spanish language or literature, to be determined by the instructor's field of specialization and student interest. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Repeatable:** This course may be repeated for credit with permission.

## **SPNH 592 - Special Topics**

An intensive study of a specific area of Spanish language or literature, to be determined by the instructor's field of specialization and student interest. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Repeatable:** This course may be repeated for credit with permission.

## **SPNH 597 - Independent Study**

Intensive study of a problem, under the direction of a member of the graduate faculty. Not more than six hours of independent study may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **SPNH 598 - Independent Study**

Intensive study of a problem, under the direction of a member of the graduate faculty. Not more than six hours of independent study may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **SPNH 599 - Independent Study**

Intensive study of a problem, under the direction of a member of the graduate faculty. Not more than six hours of independent study may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **SPNH 610 - Intensive Summer Program in Spanish**

Intensive summer course offered in Mexico. Small-group (four or five students) language instruction, with many different instructional levels available. Students advance according to individual progress. Students live with Mexican families.

**Credit Hours:** 6 hrs

**Repeatable:** May be repeated for credit.

### **SPNH 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Notes:** Credit will not apply toward degree completion.

**Terms Offered:** Offered on a credit/no-credit basis.

### **SPNH 679 - Special Topics**

An intensive study of a specific area of Spanish language or literature, to be determined by the instructor's field of specialization and student interest. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Repeatable:** This course may be repeated for credit with permission.

### **SPNH 680 - Special Topics**

An intensive study of a specific area of Spanish language or literature, to be determined by the instructor's field of specialization and student interest. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Repeatable:** This course may be repeated for credit with permission.

### **SPNH 681 - Special Topics**

An intensive study of a specific area of Spanish language or literature, to be determined by the instructor's field of specialization and student interest. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Repeatable:** This course may be repeated for credit with permission.

### **SPNH 692 - Research Project**

Intensive study of a specific project in Hispanic language, literature and/or culture, under the direction of a member of the graduate staff. Final report normally in Spanish.

**Credit Hours:** 3 hrs

**Prerequisites:** completion of 15 hours in the core curriculum and department permission

### **SPNH 697 - Independent Study**

Intensive study of a problem, under the direction of a member of the graduate faculty. Not more than six hours of independent study may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **SPNH 698 - Independent Study**

Intensive study of a problem, under the direction of a member of the graduate faculty. Not more than six hours of independent study may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **SPNH 699 - Independent Study**

Intensive study of a problem, under the direction of a member of the graduate faculty. Not more than six hours of independent study may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **Teaching English as a Second Language**

### **TSLN 410 - TESOL Methodology: Content-Based Approaches**

This course focuses on applying principles of English language instruction within content courses. Emphasis is placed on teaching students to use research-based methods of teaching language components (i.e. grammar, vocabulary and pronunciation) and integrating the 4-skills (listening, speaking, reading and writing) with teaching specific content (e.g. science, social studies).

**Credit Hours:** 3 hrs

**Prerequisites:** TSLN 330 and TSLN 332

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **TSLN 500 - Observation and Analysis of ESL Programs**

Observations of ESL classes in varied contexts, and practice in using different types of observation instruments. Seminar topics focus on ESL classrooms, noting differences for ESL classrooms.

**Credit Hours:** 1 hr

## **TSLN 501 - Theoretical Foundations of Second-Language Pedagogy**

Overview of the principal theories of language description, language learning and language use, with emphasis on those factors that affect second-language acquisition and learning.

**Credit Hours:** 3 hrs

**Prerequisites:** admission to TESOL MA program or department permission

## **TSLN 502 - A Pedagogical Grammar and Phonology of ESL**

Examines the structure and sound systems of American English as it applies to the teaching and learning of English as a second language. Emphasizes practical aspects of usage.

**Credit Hours:** 4 hrs

**Prerequisites:** admission to TESOL MA program or department permission

## **TSLN 520 - Foreign Language Testing and Assessment**

Examines the role of testing; surveys types of tests; discusses the criteria of a good test; analyzes tasks that variously require listening, speaking, reading, writing and communicative competence; and provides practice in evaluating and constructing test items.

**Credit Hours:** 2 hrs

**Prerequisites:** TSLN 501 or TSLN 525 and TSLN 502

**Last Updated:** Links 04/2011

## **TSLN 521 - Content-Based Instruction and Materials for English Language Learners**

Explores techniques for integrating the teaching of content and language, and examines materials used by English learners in content-based instruction (CBI). Various models of CBI are examined; curricula are developed to align with the national TESOL and the State of Michigan standards and with other content area standards.

**Credit Hours:** 2 hrs

**Prerequisites:** TSLN 502 and TSLN 525

**Last Updated:** Links 03/2011

## **TSLN 525 - Second Language Acquisition for Classroom Teachers**

Examines the learning of English, simultaneous with or subsequent to one's first language in the K-12 setting in the United States. Linguistic, cognitive, affective, cultural, social and instructional factors will be addressed.

**Credit Hours:** 3 hrs

**Prerequisites:** admission to the TESOL graduate certificate program or department permission

## **TSLN 530 - TESOL Methods: Reading, Writing and Grammar**

Examines content and methodology in teaching TESOL reading, writing and grammar to diverse groups of students. Students are expected to investigate different techniques, analyze them and research one area.

**Credit Hours:** 2 hrs

**Prerequisites:** TSLN 502 and TSLN 501 or TSLN 525

**Corequisites:** TSLN 531

**Last Updated:** Links 04/2011

## **TSLN 531 - TESOL Materials: Reading, Writing and Grammar**

Provides students with opportunities to review, evaluate and adapt materials for use in teaching reading, writing and grammar to ESOL learners. Students will gain facility in matching and adapting texts and materials to the needs of different kinds of ESOL learners.

**Credit Hours:** 1 hr

**Prerequisites:** TSLN 502 and TSLN 501 or TSLN 525

**Corequisites:** TSLN 530

**Last Updated:** Links 03/2011

## **TSLN 532 - TESOL Methods: Listening, Speaking and Pronunciation**

Examines content and methodology in teaching TESOL listening, speaking and pronunciation to diverse groups of students. Students are expected to investigate different techniques, analyze them and research one area.

**Credit Hours:** 2 hrs

**Prerequisites:** TSLN 530, TSLN 502 and (TSLN 501 or TSLN 525)

**Corequisites:** TSLN 533

**Last Updated:** Links 04/2011

## **TSLN 533 - TESOL Materials: Listening, Speaking and Pronunciation**

Provides students with opportunities to review, evaluate, adapt and develop materials for use in teaching listening, speaking and pronunciation to ESOL learners. Students will gain facility in matching and adapting texts and materials to the needs of different kinds of TESOL learners.

**Credit Hours:** 1 hr

**Prerequisites:** TSLN 531, TSLN 502 and (TSLN 501 or TSLN 525)

**Corequisites:** TSLN 532

**Last Updated:** Links 03/2011

## **TSLN 588 - Observation, Analysis and Practicum in ESL Classrooms**

Provides teachers with observation and analysis skills to direct and reflect on their own ESL teaching for this practicum course, as well as with techniques for working with paraprofessionals in ESL/bilingual classrooms in public schools.

**Credit Hours:** 3 hrs

**Prerequisites:** TSLN 521, TSLN 530 and TSLN 532

**Last Updated:** Links 03/2011

### **TSLN 590 - Special Topics**

An intensive study of a specific topic to be determined by the instructor's field of specialization and student interest. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **TSLN 591 - Special Topics**

An intensive study of a specific topic to be determined by the instructor's field of specialization and student interest. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **TSLN 592 - Special Topics**

An intensive study of a specific topic to be determined by the instructor's field of specialization and student interest. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **TSLN 597 - Independent Study**

Intensive study of an issue related to the teaching and learning of foreign/second language, under the direction of a member of the graduate faculty. Not more than six hours of independent study may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **TSLN 598 - Independent Study**

Intensive study of an issue related to the teaching and learning of foreign/second language, under the direction of a member of the graduate faculty. Not more than six hours of independent study may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **TSLN 599 - Independent Study**

Intensive study of an issue related to the teaching and learning of foreign/second language, under the direction of a member of the graduate faculty. Not more than six hours of independent study may be used on a degree program.



**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **TSLN 679 - Special Topics**

An intensive study of a specific topic to be determined by the instructor's field of specialization and student interest. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

### **TSLN 680 - Special Topics**

An intensive study of a specific topic to be determined by the instructor's field of specialization and student interest. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

### **TSLN 681 - Special Topics**

An intensive study of a specific topic to be determined by the instructor's field of specialization and student interest. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

### **TSLN 688 - TESOL Practicum**

Supervised practical experience in TESOL appropriate to the student's intended teaching setting. With the guidance of a trained ESL teacher, the practicum student will select appropriate materials and techniques to develop the necessary skills in the learners, and will then apply them in classroom situations.

**Credit Hours:** 3 hrs

**Prerequisites:** TSLN 530 and TSLN 532

**Last Updated:** Links 04/2011

### **TSLN 694 - Seminar**

Different topics are selected each semester for intensive study by advanced students. The course consists of review and discussion of contemporary issues in TESOL, based on research projects and review of the pertinent literature carried out by the student. Emphasis in seminar meetings on exchange of ideas and information developed in the research.

**Credit Hours:** 2 hrs

**Prerequisites:** TSLN 500, TSLN 502, TSLN 501 or TSLN 525, TSLN 530, TSLN 531, TSLN 532 and TSLN 533

**Last Updated:** Links 04/2011

### **TSLN 697 - Independent Study**

Intensive study of an issue related to the teaching and learning of foreign/second language, under the direction of a member of the graduate faculty.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Division of Academic Affairs Courses (UNIV)

### **TSLN 698 - Independent Study**

Intensive study of an issue related to the teaching and learning of foreign/second language, under the direction of a member of the graduate faculty.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Division of Academic Affairs Courses (UNIV)

### **TSLN 699 - Independent Study**

Intensive study of an issue related to the teaching and learning of foreign/second language, under the direction of a member of the graduate faculty.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Division of Academic Affairs Courses (UNIV)

# Geography and Geology Programs and Courses

## Geography and Geology

### Graduate Certificate

### Graduate Certificate in Geographic Information Systems (GIS) for Educators

Adviser: Hugh Semple, Ph.D.  
205 Strong Hall  
734.487.0218  
hsemple@emich.edu

A five-course curriculum, granting a certificate of completion and satisfactory academic performance, is available for non-degree students. It is designed primarily for K-12 teachers, curriculum specialists and others interested in GIS applications in classrooms and school environments.

#### Admission Requirements

Certificate curriculum applicants must have a bachelor's degree from an accredited institution and meet Graduate School admission requirements.

### Certificate Requirements

Following admission, the student should consult with the GIS educator's certificate program coordinator regarding the set up of a study plan. This certificate requires 15 hours of required course work as follows:

#### Restricted Elective Courses: 12 hours

- GEOG 520 - GIS Introduction for Educators 3 hrs
- GEOG 522 - Internet GIS for Educators 3 hrs
- GEOG 524 - GIS As an Instructional Tool in Classrooms 3 hrs
- \* GEOG 667 - School GIS Projects and Lesson Plan Development 3 hrs  
or
- ESSC 667 - School GIS Projects and Lesson Plan Development 3 hrs

#### Certificate Total: 15 hours

#### Note:

*\* GEOG 667 can be taken as an online course, as a course on EMU's campus or the student can use a replacement of GEOG 667 by a non-credit institute (workshop) experience.*

### Undergraduate Courses for Graduate Credit: Geography and Geology

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form from the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

### Historic Preservation Courses:

- GHPR 475 - Architectural Nomenclature 2 hrs

### Geography Courses:

- GEOG 441 - Transportation Geography and Planning 3 hrs
- GEOG 445 - Cultural Tourism Resources 3 hrs
- GEOG 446 - Heritage Interpretation and Tourism 3 hrs
- GEOG 480 - Geographic Information Systems Projects 3 hrs
- URP 435 - History of Urban Form and Function 3 hrs

### Earth Science Courses:

- ESSC 406 - Nature of Science 1 hr  
[ESSC406 available for graduate credit in the Earth Science Education program only]
- ESSC 425 - Severe and Unusual Weather 3 hrs
- ESSC 428 - Optical Mineralogy 3 hrs
- ESSC 430 - Petroleum Geology 3 hrs
- ESSC 439 - Economic Geology 3 hrs
- ESSC 448 - Hydrogeology 3 hrs
- ESSC 450 - Lake and Coastal Processes 3 hrs
- ESSC 459 - Aquifer Analysis 3 hrs
- ESSC 460 - Contaminant Hydrology 3 hrs
- ESSC 470 - Quantitative Methods in Geography and Geology 3 hrs
- ESSC 485 - Introduction to Remote Sensing 3 hrs

## Graduate Certificate in Geographic Information Systems (GIS) for Professionals

Adviser: Hugh Semple, PhD.  
205 Strong  
734.487.0218  
hsemple@emich.edu

A five-course curriculum, granting a certificate of completion and satisfactory academic performance, is available for non-degree students. It is designed for GIS specialists, technicians, planners, information technology professionals and others interested in using geographic information technology in jobs or for careers.

### Admission Requirements

Certificate curriculum applicants must have a bachelor's degree from an accredited institution and meet Graduate School admission requirements.

## Certificate Requirements

Following admission, the student should consult with the GIS professional certificate program coordinator regarding the set up of a study plan. This certificate requires 15 hours of required course work as follows:

### Restricted Elective Courses: 15 hours

- GEOG 579 - Geographic Information Systems 3 hrs
- GEOG 584 - Visual Programming for GIS Customization 3 hrs
- GEOG 585 - Geographic Information Systems Applications 3 hrs
- GEOG 668 - GIS Project 3 hrs
- GEOG 678 - Advanced Desktop Programming for GIS Customization 3 hrs

### Certificate Total: 15 hours

## Undergraduate Courses for Graduate Credit: Geography and Geology

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form from the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

### Historic Preservation Courses:

- GHPR 475 - Architectural Nomenclature 2 hrs

### Geography Courses:

- GEOG 441 - Transportation Geography and Planning 3 hrs
- GEOG 445 - Cultural Tourism Resources 3 hrs
- GEOG 446 - Heritage Interpretation and Tourism 3 hrs
- GEOG 480 - Geographic Information Systems Projects 3 hrs
- URP 435 - History of Urban Form and Function 3 hrs

### Earth Science Courses:

- ESSC 406 - Nature of Science 1 hr  
[ESSC406 available for graduate credit in the Earth Science Education program only]
- ESSC 425 - Severe and Unusual Weather 3 hrs
- ESSC 428 - Optical Mineralogy 3 hrs
- ESSC 430 - Petroleum Geology 3 hrs
- ESSC 439 - Economic Geology 3 hrs
- ESSC 448 - Hydrogeology 3 hrs
- ESSC 450 - Lake and Coastal Processes 3 hrs
- ESSC 459 - Aquifer Analysis 3 hrs

- ESSC 460 - Contaminant Hydrology 3 hrs
- ESSC 470 - Quantitative Methods in Geography and Geology 3 hrs
- ESSC 485 - Introduction to Remote Sensing 3 hrs

## Graduate Certificate in Historic Preservation (HPRS)

Adviser: Ted J. Ligibel, PhD.  
 235 Strong  
 734.487.0232  
 tligibel@emich.edu

Adviser: Nancy Bryk  
 205 Strong  
 734.487.0218  
 nbryk@emich.edu

Web site: [www.emich.edu/public/gep/HP/HP.html](http://www.emich.edu/public/gep/HP/HP.html)

A five-course curriculum, granting a certificate for completion and satisfactory academic performance, is available for non-degree students. It is designed for planners, historic-district commissioners and others interested in the preservation field.

### Admission Requirements

Certificate curriculum applicants must have a bachelor's degree from an accredited institution and meet Graduate School admission requirements.

## Certificate Requirements

Following admission, the student should consult with the historic preservation program coordinator regarding completion of the course requirements. This certificate requires 11 to 14 hours of course work distributed among required courses and restricted elective courses as follows:

### Required Courses: 5 hours

- ARTH 472 - History of American Architecture 3 hrs
- GHPR 530 - Introduction to Historic Preservation 2 hrs

### Restricted Elective Courses: 7-9 hours

*Seven to nine hours from the following:*

- Any 500- or 600-level GHPR courses except GHPR 587, GHPR 637, GHPR 687/688/689, GHPR 690/691/692 and GHPR 697/698/699
- GEOG 531 - American Cultural Landscapes 2 hrs
- GEOG 548 - American Vernacular Architecture 2 hrs
- GEOG 570 - Rural Planning and Preservation 2 hrs
- GHPR 531 - Preservation and Planning Law 3 hrs
- GHPR 620 - Preservation Research Techniques 2 hrs
- GHPR 651 - Principles of Preservation Technology 2 hrs

- GHPR 695 - Seminar in Preservation Issues 2 hrs
- GHPR 696 - Seminar in Preservation Issues 3 hrs
- URP 435 - History of Urban Form and Function 3 hrs  
*See note below*

## Certificate Total: 12-14 hours

### Note:

*\* Must be taken for graduate credit. Students must submit a request form from the Graduate School to enroll in an advanced 400-level undergraduate course for graduate credit.*

## Undergraduate Courses for Graduate Credit: Geography and Geology

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form from the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

### Historic Preservation Courses:

- GHPR 475 - Architectural Nomenclature 2 hrs

### Geography Courses:

- GEOG 441 - Transportation Geography and Planning 3 hrs
- GEOG 445 - Cultural Tourism Resources 3 hrs
- GEOG 446 - Heritage Interpretation and Tourism 3 hrs
- GEOG 480 - Geographic Information Systems Projects 3 hrs
- URP 435 - History of Urban Form and Function 3 hrs

### Earth Science Courses:

- ESSC 406 - Nature of Science 1 hr  
[ESSC406 available for graduate credit in the Earth Science Education program only]
- ESSC 425 - Severe and Unusual Weather 3 hrs
- ESSC 428 - Optical Mineralogy 3 hrs
- ESSC 430 - Petroleum Geology 3 hrs
- ESSC 439 - Economic Geology 3 hrs
- ESSC 448 - Hydrogeology 3 hrs
- ESSC 450 - Lake and Coastal Processes 3 hrs
- ESSC 459 - Aquifer Analysis 3 hrs
- ESSC 460 - Contaminant Hydrology 3 hrs
- ESSC 470 - Quantitative Methods in Geography and Geology 3 hrs
- ESSC 485 - Introduction to Remote Sensing 3 hrs

## Master's

### Master of Science in Earth Science Education (ESE)

Adviser: Thomas Kovacs, Ph.D.  
205 Strong Hall  
734.487.0218  
tkovacs@emich.edu

The M.S. in Earth Science Education requires the completion of 30 hours of course work to be distributed among required courses, elective courses and cognate courses as follows:

#### Required Courses: 12 hours

- \* ESSC 470 - Quantitative Methods in Geography and Geology 3 hrs
- ESSC 557 - Field Investigations in Earth Science 6 hrs  
(or a combination of ESSC 554, ESSC 555, and ESSC 556 to total 6 credit hours)
- ESSC 565 - New Approaches to Teaching Earth Science 3 hrs

#### Restricted Elective Courses: 18 hours

*Eighteen hours from the following:*

- \* ESSC 425 - Severe and Unusual Weather 3 hrs
- \* ESSC 450 - Lake and Coastal Processes 3 hrs
- ESSC 514 - Teaching Science with Dinosaurs 3 hrs
- ESSC 520 - GIS Introduction for Educators 3 hrs
- ESSC 566 - Global Tectonics 3 hrs
- ESSC 567 - Paleoclimatology 3 hrs
- ESSC 569 - Principles of Hydrology for Educators 3 hrs
- ESSC 665 - Professional Paper 3 hrs

#### Program Total: 30 hours

#### Note:

*\* A maximum of nine hours of 400-level coursework can be applied to meet graduation requirements.*

*A maximum of 12 hours of special topics, independent study and graduate seminar coursework, in combination, can be applied to meet graduation requirements.*

#### Undergraduate Courses for Graduate Credit: Geography and Geology

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.



If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form from the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

### Historic Preservation Courses:

- GHPR 475 - Architectural Nomenclature 2 hrs

### Geography Courses:

- GEOG 441 - Transportation Geography and Planning 3 hrs
- GEOG 445 - Cultural Tourism Resources 3 hrs
- GEOG 446 - Heritage Interpretation and Tourism 3 hrs
- GEOG 480 - Geographic Information Systems Projects 3 hrs
- URP 435 - History of Urban Form and Function 3 hrs

### Earth Science Courses:

- ESSC 406 - Nature of Science 1 hr  
[ESSC406 available for graduate credit in the Earth Science Education program only]
- ESSC 425 - Severe and Unusual Weather 3 hrs
- ESSC 428 - Optical Mineralogy 3 hrs
- ESSC 430 - Petroleum Geology 3 hrs
- ESSC 439 - Economic Geology 3 hrs
- ESSC 448 - Hydrogeology 3 hrs
- ESSC 450 - Lake and Coastal Processes 3 hrs
- ESSC 459 - Aquifer Analysis 3 hrs
- ESSC 460 - Contaminant Hydrology 3 hrs
- ESSC 470 - Quantitative Methods in Geography and Geology 3 hrs
- ESSC 485 - Introduction to Remote Sensing 3 hrs

## Master of Science in Geographic Information Systems (GIS)

Adviser: Hugh Semple, Ph.D.  
205 Strong Hall  
734.487.0218  
hsemple@emich.edu

Web site: [www.emich.edu/public/geo/geography/GISUrban.htm](http://www.emich.edu/public/geo/geography/GISUrban.htm)

### Objectives

The M.S. in Geographic Information Systems (GIS) prepares students to work as GIS analysts, applied researchers and consultants providing expertise in this ever-evolving area of computer mapping analysis and application development. GIS technologies are widely utilized in the U.S. and abroad and there is a high demand for these skills.

### Admission Requirements

1. Class status: undergraduate degree from an accredited college/university; senior standing for conditional admission.
2. 2.75 GPA from a regionally accredited undergraduate institution and/or at least 1500 on the aptitude test of the GRE.

3. A minimum of two letters of recommendation, preferably one from a professor in the student's major/minor field of study and one from an employer. If the student does not have related work experience, two letters from faculty members in the student's major or minor field of study will be required.
4. International students must receive a minimum score on the TOEFL language examination. See Admissions web site at [www.emich.edu/admissions](http://www.emich.edu/admissions) for minimum scores.

## Course Requirements:

The M.S. in Geographic Information Systems requires 36 credit hours of course work distributed among required courses, elective courses and thesis or internship courses as follows:

### Required Courses: 30-32 hours

- GEOG 505 - Seminar in Methods and Research 2 hrs
- URP 553 - Urban and Regional Planning 2 hrs
- URP 555 - Comprehensive Planning 2 hrs
- GEOG 575 - Interpretation of Aerial Photography 3 hrs
- GEOG 579 - Geographic Information Systems 3 hrs
- GEOG 581 - Advanced Environmental Assessment 3 hrs
- GEOG 584 - Visual Programming for GIS Customization 3 hrs
- GEOG 668 - GIS Project 3 hrs
- GEOG 674 - Professional Publication/ Report 2 hrs
- GEOG 678 - Advanced Desktop Programming for GIS Customization 3 hrs

### One of the following internship courses or equivalent:

See footnote below

- GEOG 687 - Internship in Geography/Geology 4 hrs
- GEOG 688 - Internship in Geography/Geology 5 hrs
- GEOG 689 - Internship in Geography/Geology 6 hrs

### Restricted Elective Courses: 4-7 hours

*Four to seven hours from the following:*

- CTAC 508 - Small Group Decision-Making 2 hrs
- CTAC 509 - Communication for Leaders 2 hrs
- CTAC 510 - Listening Skills for Professionals 2 hrs
- ENGL 524 - Advanced Technical Writing and Research 3 hrs
- GEOG 570 - Rural Planning and Preservation 2 hrs
- GEOG 580 - Urban Environmental Management 2 hrs
- GEOG 582 - Remote Sensing of Earth Resources 3 hrs
- GEOG 585 - Geographic Information Systems Applications 3 hrs
- GHPR 530 - Introduction to Historic Preservation 2 hrs
- GHPR 638 - Preserving Community Character 2 hrs
- PLSC 510 - Modern Public Administration 3 hrs

- PLSC 655 - Politics of Local Planning 2 hrs
- SOCL 656 - Human Ecology and Community Development 3 hrs
- URP 556 - Zoning and Land Development Regulation 2 hrs
- URP 557 - Community Development and Downtown Revitalization 3 hrs
- URP 560 - Transportation Modeling Systems 3 hrs

## Program Total: 36 hours

### Note:

*Equivalency: If a student is employed in a GIS position, a portfolio of work completed during employment may substitute for the internship requirement and credits. The acceptability of the portfolio will be determined by the program adviser. If an internship is not feasible, a student may request a six credit thesis to replace the Internship and Professional Publication/Report requirements.*

## Undergraduate Courses for Graduate Credit: Geography and Geology

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form from the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

### Historic Preservation Courses:

- GHPR 475 - Architectural Nomenclature 2 hrs

### Geography Courses:

- GEOG 441 - Transportation Geography and Planning 3 hrs
- GEOG 445 - Cultural Tourism Resources 3 hrs
- GEOG 446 - Heritage Interpretation and Tourism 3 hrs
- GEOG 480 - Geographic Information Systems Projects 3 hrs
- URP 435 - History of Urban Form and Function 3 hrs

### Earth Science Courses:

- ESSC 406 - Nature of Science 1 hr  
[ESSC406 available for graduate credit in the Earth Science Education program only]
- ESSC 425 - Severe and Unusual Weather 3 hrs
- ESSC 428 - Optical Mineralogy 3 hrs
- ESSC 430 - Petroleum Geology 3 hrs
- ESSC 439 - Economic Geology 3 hrs
- ESSC 448 - Hydrogeology 3 hrs
- ESSC 450 - Lake and Coastal Processes 3 hrs
- ESSC 459 - Aquifer Analysis 3 hrs
- ESSC 460 - Contaminant Hydrology 3 hrs

- ESSC 470 - Quantitative Methods in Geography and Geology 3 hrs
- ESSC 485 - Introduction to Remote Sensing 3 hrs

## Master of Science in Historic Preservation (HPRS)

Advisers: Ted J. Ligibel, Ph.D.  
 235 Strong Hall  
 734.487.0232  
 tligibel@emich.edu

Web site: <http://www.emich.edu/public/geo/HP/HP.html>

The M.S. in Historic Preservation requires a minimum of 36 hours. The master's curriculum emphasizes preparation for careers in historic preservation in a planning, administrative, historic museum, consulting or heritage tourism capacity. This general studies program provides practical experience through workstudy, internship, cooperative education and field study opportunities.

### Admission Requirements

#### Degree Admission

Applicants must:

1. Have a bachelor's degree from an accredited institution;
2. Meet Graduate School admission requirements; and
3. Have attained at least a 2.75 grade point average in the major field during the last two undergraduate years.

In addition to completing the Graduate School application form, the applicant must obtain program application forms from the historic preservation coordinator and follow all application procedures.

#### Conditional Admission

Otherwise promising students who do not meet Graduate School or departmental undergraduate GPA requirements may be granted conditional admission. Students who fulfill the probationary requirements may be granted regular admission.

#### Degree Requirements

1. Selection, in consultation with the program adviser, of a course of study in historic preservation.
2. Completion of 36 hours of approved graduate-level course work beyond the bachelor's degree as described below under course requirements.
3. Completion of prerequisite courses. The number of hours and the specific courses will be stipulated by the program adviser according to the student's prior course work.

### Prerequisites:

Students must complete course work in each of the following foundation areas or have acceptable undergraduate equivalent, in which case the course may be waived.

- ARTH 472 - History of American Architecture 3 hrs
- GHPR 475 - Architectural Nomenclature 2 hrs

## One course from the following:

- GEOG 446 - Heritage Interpretation and Tourism 3 hrs
- URP 435 - History of Urban Form and Function 3 hrs

## Course Requirements:

The M.S. in Historic Preservation requires 36 credit hours of course work to be distributed among core and concentration (required and restricted elective) courses as follows:

### Core Courses: 16-18 hours

- GEOG 531 - American Cultural Landscapes 2 hrs
  - GEOG 548 - American Vernacular Architecture 2 hrs
  - GHPR 530 - Introduction to Historic Preservation 2 hrs
  - GHPR 547 - Problems in Architectural Interpretation 2 hrs
  - GHPR 551 - Historic Building Systems 2 hrs
  - GHPR 620 - Preservation Research Techniques 2 hrs
  - GHPR 636 - Historic Preservation Field Project 3 hrs
- Choose one course from the following:*
- GHPR 690 - Historic Preservation Project 1 hr
  - GHPR 691 - Historic Preservation Project 2 hrs
  - GHPR 692 - Historic Preservation Project 3 hrs

### Required Courses: 13-14 hours

*Courses are chosen that create a focused historic preservation approach in an area of concentration of the student's choosing, selected with adviser approval. Courses may be chosen from relevant historic preservation, geography or geographic information systems and planning program offerings.*

### Restricted Elective Courses: 8-10 hours

*Courses may include any other relevant historic preservation-related electives including appropriate cognate courses.*

## Conservation and Technology Concentration

### Concentration Courses: 12 hours

- GHPR 546 - International Preservation: Historic Applications 2 hrs
- GHPR 552 - Materials Conservation I 3 hrs
- GHPR 572 - Funding Preservation Projects 2 hrs
- GHPR 630 - Documenting Historical Places 2 hrs
- GHPR 652 - Materials Conservation II 3 hrs

### Restricted Elective Courses: 6-8 hours

*Courses selected with adviser approval*

- GHPR 532 - Introduction to Curatorship 3 hrs
  - GHPR 533 - Introduction to Historic Administration 2 hrs
  - GHPR 539 - American Decorative Arts 3 hrs
  - GHPR 695 - Seminar in Preservation Issues 2 hrs
  - GHPR 696 - Seminar in Preservation Issues 3 hrs
  - GHPR 698 - Independent Study 2 hrs
  - GHPR 699 - Independent Study 3 hrs
- and other relevant Historic Preservation Program electives with permission of program adviser.*

## Heritage Interpretation, Tourism and Administration Concentration

### Required Courses: 13 hours

- GHPR 532 - Introduction to Curatorship 3 hrs
- GHPR 533 - Introduction to Historic Administration 2 hrs
- GHPR 534 - Community Interpretation and Appropriate Tourism 3 hrs
- GHPR 537 - Interpretive Programming for Organizations 3 hrs
- GHPR 538 - Historic Preservation and Tourism 2 hrs

### Restricted Elective Courses: 4-7 hours

- GEOG 445 - Cultural Tourism Resources 3 hrs
- GEOG 541 - Material Cultures: A Disciplinary Overview 3 hrs
- GEOG 549 - Cultural Landscape Interpretation 2 hrs
- GHPR 539 - American Decorative Arts 3 hrs
- GHPR 572 - Funding Preservation Projects 2 hrs
- GHPR 587 - Cooperative Education in Cultural Resource Management 3 hrs
- GHPR 630 - Documenting Historical Places 2 hrs
- GHPR 632 - Interpreting the Historic House 3 hrs
- GHPR 687 - Internship 4 hrs
- GHPR 688 - Internship 5 hrs
- GHPR 689 - Internship 6 hrs

## Preservation Planning Concentration

### Required Courses: 12 hours

- URP 553 - Urban and Regional Planning 2 hrs
- GHPR 531 - Preservation and Planning Law 3 hrs
- GHPR 557 - Community Development and Downtown Revitalization 3 hrs
- GHPR 630 - Documenting Historical Places 2 hrs
- GHPR 631 - Preservation Administration and Planning 2 hrs

### Restricted Elective Courses: 10-13 hours

- CNST 648 - Principles of Construction Technology 2 hrs
- GEOG 541 - Material Cultures: A Disciplinary Overview 3 hrs
- GEOG 549 - Cultural Landscape Interpretation 2 hrs
- URP 555 - Comprehensive Planning 2 hrs
- URP 556 - Zoning and Land Development Regulation 2 hrs
- GEOG 570 - Rural Planning and Preservation 2 hrs
- GEOG 579 - Geographic Information Systems 3 hrs
- GHPR 532 - Introduction to Curatorship 3 hrs
- GHPR 534 - Community Interpretation and Appropriate Tourism 3 hrs
- GHPR 538 - Historic Preservation and Tourism 2 hrs
- GHPR 539 - American Decorative Arts 3 hrs
- GHPR 546 - International Preservation: Historic Applications 2 hrs
- GHPR 552 - Materials Conservation I 3 hrs
- GHPR 558 - Adaptive Use of Historic Structures 2 hrs
- GHPR 559 - Urban Planning/Preservation Studio 3 hrs
- GHPR 572 - Funding Preservation Projects 2 hrs
- GHPR 587 - Cooperative Education in Cultural Resource Management 3 hrs
- GHPR 632 - Interpreting the Historic House 3 hrs
- GHPR 638 - Preserving Community Character 2 hrs
- GHPR 651 - Principles of Preservation Technology 2 hrs
- GHPR 687 - Internship 4 hrs
- GHPR 688 - Internship 5 hrs
- GHPR 689 - Internship 6 hrs
- GHPR 694 - Seminar in Neighborhood Preservation 2 hrs
- GHPR 695 - Seminar in Preservation Issues 2 hrs
- GHPR 696 - Seminar in Preservation Issues 3 hrs

**Program Total: 36 hours**

## Undergraduate Courses for Graduate Credit: Geography and Geology

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form from the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

### Historic Preservation Courses:

- GHPR 475 - Architectural Nomenclature 2 hrs

### Geography Courses:

- GEOG 441 - Transportation Geography and Planning 3 hrs
- GEOG 445 - Cultural Tourism Resources 3 hrs
- GEOG 446 - Heritage Interpretation and Tourism 3 hrs
- GEOG 480 - Geographic Information Systems Projects 3 hrs

- URP 435 - History of Urban Form and Function 3 hrs

## Earth Science Courses:

- ESSC 406 - Nature of Science 1 hr  
[ESSC406 available for graduate credit in the Earth Science Education program only]
- ESSC 425 - Severe and Unusual Weather 3 hrs
- ESSC 428 - Optical Mineralogy 3 hrs
- ESSC 430 - Petroleum Geology 3 hrs
- ESSC 439 - Economic Geology 3 hrs
- ESSC 448 - Hydrogeology 3 hrs
- ESSC 450 - Lake and Coastal Processes 3 hrs
- ESSC 459 - Aquifer Analysis 3 hrs
- ESSC 460 - Contaminant Hydrology 3 hrs
- ESSC 470 - Quantitative Methods in Geography and Geology 3 hrs
- ESSC 485 - Introduction to Remote Sensing 3 hrs

## Master of Science in Urban and Regional Planning (URPL)

Adviser: Norm Tyler, Ph.D.

205 Strong

734.487.0218

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Website: <http://planning.emich.edu>

### Objectives

The M.S. in Urban and Regional Planning prepares students to work in city and regional planning agencies and private consulting firms, where they will be highly desired because of this degree's emphasis on skills in land use and environmental planning and Geographic Information Systems (GIS).

### Admission Requirements

1. Class status: undergraduate degree from an accredited college/university; senior standing for conditional admission.
2. 2.75 GPA from a regionally accredited undergraduate institution.
3. A minimum of two letters of recommendation, preferably one from a professor in the student's major/minor field of study and one from an employer. If the student does not have related work experience, two letters from faculty members in the student's major or minor field of study will be required.
4. International students must receive a minimum score on the TOEFL language examination. See Admissions web site at [www.emich.edu/admissions](http://www.emich.edu/admissions) for minimum scores.

## Course Requirements:

The M.S. in Urban and Regional Planning requires 36 credit hours of course work distributed among required courses, elective courses and thesis or internship courses as follows.

## Required Courses: 31-33 hours



- URP 505 - Seminar in Methods and Research (NEW COURSE) 2 hrs
- URP 553 - Urban and Regional Planning 2 hrs
- URP 555 - Comprehensive Planning 2 hrs
- URP 556 - Zoning and Land Development Regulation 2 hrs
- URP 557 - Community Development and Downtown Revitalization 3 hrs
- URP 559 - Urban Planning/Preservation Studio 3 hrs
- URP 674 - Professional Publication/Report (NEW COURSE) 2 hrs
- GEOG 579 - Geographic Information Systems 3 hrs
- GEOG 581 - Advanced Environmental Assessment 3 hrs
- GEOG 585 - Geographic Information Systems Applications 3 hrs
- PLSC 655 - Politics of Local Planning 2 hrs

One of the following internship courses or equivalent:

\* See notes section below.

- URP 687 - Internship in Urban and Regional Planning 4 hrs
- URP 688 - Internship in Urban and Regional Planning 5 hrs
- URP 689 - Internship in Urban and Regional Planning 6 hrs

## Restricted Elective Courses: 4-6 hours

*Four to six hours from the following:*

- CTAC 508 - Small Group Decision-Making 2 hrs
- CTAC 509 - Communication for Leaders 2 hrs
- CTAC 510 - Listening Skills for Professionals 2 hrs
- ENGL 524 - Advanced Technical Writing and Research 3 hrs
- GEOG 570 - Rural Planning and Preservation 2 hrs
- GEOG 575 - Interpretation of Aerial Photography 3 hrs
- GEOG 580 - Urban Environmental Management 2 hrs
- GEOG 582 - Remote Sensing of Earth Resources 3 hrs
- GEOG 584 - Visual Programming for GIS Customization 3 hrs
- GEOG 668 - GIS Project 3 hrs
- GEOG 678 - Advanced Desktop Programming for GIS Customization 3 hrs
- GHPR 530 - Introduction to Historic Preservation 2 hrs
- GHPR 638 - Preserving Community Character 2 hrs
- PLSC 510 - Modern Public Administration 3 hrs
- SOCL 656 - Human Ecology and Community Development 3 hrs
- URP 552 - Infrastructure Planning and Policy (NEW COURSE) 3 hrs
- URP 560 - Transportation Modeling Systems 3 hrs
- URP 590 - Special Topics 1 hrs
- URP 591 - Special Topics 2 hrs
- URP 592 - Special Topics 3 hrs
- URP 597 - Independent Study 1 hrs
- URP 598 - Independent Study 2 hrs
- URP 599 - Independent Study 3 hrs

- URP 679 - Special Topics 1 hrs
- URP 680 - Special Topics 2 hrs
- URP 681 - Special Topics 3 hrs
- URP 690 - Thesis 1 hrs
- URP 691 - Thesis 2 hrs
- URP 692 - Thesis 3 hrs
- URP 697 - Independent Study 1 hrs
- URP 698 - Independent Study 2 hrs
- URP 699 - Independent Study 3 hrs

Does not count towards meeting program credit hour requirements:

- URP 639 - Continuous Enrollment 1 hrs

Program Total: 36 hours

Note:

*\* Equivalency: If a student is employed in a planning position, a portfolio of work completed during employment may substitute for the internship requirement and credits. The acceptability of the portfolio will be determined by the program adviser. If an internship is not feasible, a student may request a six credit thesis to replace the Internship and Professional Publication/Report requirements.*

## Undergraduate Courses for Graduate Credit: Geography and Geology

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form from the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

### Historic Preservation Courses:

- GHPR 475 - Architectural Nomenclature 2 hrs

### Geography Courses:

- GEOG 441 - Transportation Geography and Planning 3 hrs
- GEOG 445 - Cultural Tourism Resources 3 hrs
- GEOG 446 - Heritage Interpretation and Tourism 3 hrs
- GEOG 480 - Geographic Information Systems Projects 3 hrs
- URP 435 - History of Urban Form and Function 3 hrs

### Earth Science Courses:

- ESSC 406 - Nature of Science 1 hr

[ESSC406 available for graduate credit in the Earth Science Education program only]

- ESSC 425 - Severe and Unusual Weather 3 hrs
- ESSC 428 - Optical Mineralogy 3 hrs
- ESSC 430 - Petroleum Geology 3 hrs
- ESSC 439 - Economic Geology 3 hrs
- ESSC 448 - Hydrogeology 3 hrs
- ESSC 450 - Lake and Coastal Processes 3 hrs
- ESSC 459 - Aquifer Analysis 3 hrs
- ESSC 460 - Contaminant Hydrology 3 hrs
- ESSC 470 - Quantitative Methods in Geography and Geology 3 hrs
- ESSC 485 - Introduction to Remote Sensing 3 hrs

## Earth Science

### ESSC 406 - Nature of Science

This course examines the nature of scientific evidence, inquiry, hypothesis, models and laws. The development of science is put in the context of the structure and history of the scientific community. Interactions among scientists and between scientists and the rest of society are studied from an ethical perspective.

**Credit Hours:** 1 hr

**Prerequisites:** ESSC 110 and ESSC 111

**Major Restrictions:** Department permission required for Non-Earth Science Majors or Minors

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit in the Earth Science Education program only.

**Notes:** Requires the use of LiveText.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

### ESSC 422 - Environmental Geochemistry

An introduction to the principles of geochemistry designed for upper-level science majors. Focus will be on interactions between the natural environment and anthropogenic activities as well as discussion of current research in various aspects of geochemistry.

**Credit Hours:** 3 hrs

**Prerequisites:** ESSC 110 and CHEM 123/CHEM 124 and (MATH 105 or MATH 107 or MATH 112 or MATH 119 or MATH 120 or MATH 122)

**Class Restrictions:** Junior standing or above

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

### ESSC 425 - Severe and Unusual Weather

Analysis of cyclones, blizzards, thunderstorms, tornadoes, hurricanes and other catastrophic weather phenomena. Their environmental impact and prediction.

**Credit Hours:** 3 hrs

**Prerequisites:** ESSC 324

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **ESSC 428 - Optical Mineralogy**

A study of the optical properties of minerals and the use of the petrographic microscope to identify common minerals in thin section.

**Credit Hours:** 3 hrs

**Lecture/Lab Hours:** Lecture: two hours per week; Laboratory: two hours per week.

**Prerequisites:** ESSC 228

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **ESSC 430 - Petroleum Geology**

A study of the origin, migration and accumulation of petroleum; reservoir analysis, exploration and development techniques.

**Credit Hours:** 3 hrs

**Lecture/Lab Hours:** Lecture: two hours per week; Laboratory: two hours per week.

**Prerequisites:** ESSC 111 and any ESSC 300-level class or above

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **ESSC 439 - Economic Geology**

A study of the geochemical behavior of metallic elements; the origin, processes, controls and classification of ore deposits.

**Credit Hours:** 3 hrs

**Lecture/Lab Hours:** Lecture: two hours per week; Laboratory: two hours per week.

**Prerequisites:** ESSC 329

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **ESSC 448 - Hydrogeology**

Subsurface water occurrence, distribution, relationships to surface water and precipitation; subsurface flow, especially as related to well water production; tests of aquifers; well drilling and installation; ground water exploration and recharge; legal problems.

**Credit Hours:** 3 hrs

**Prerequisites:** ESSC 300 and either MATH 105 or MATH 107 or MATH 112 or MATH 120 or MATH 122

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

## **ESSC 450 - Lake and Coastal Processes**

Analysis of the geological and physical processes of North American coasts including the Great Lakes. WE will discuss the origin and distribution of coastal environments; past, current, future natural and anthropogenic modifications and related environmental issues; potential energy resources like waves, tides and currents.

**Credit Hours:** 3 hrs

**Lecture/Lab Hours:** Lecture: three hours per week. Laboratory: one hour per week.

**Prerequisites:** ESSC 320 or ESSC 307

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011; 02/11/2011

### **ESSC 459 - Aquifer Analysis**

Study of the analysis of aquifer parameters and groundwater flow using analytical, numerical and statistical computer methods.

**Credit Hours:** 3 hrs

**Prerequisites:** ESSC 448

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

### **ESSC 460 - Contaminant Hydrology**

Study of hydrochemistry, pollution pathways and transport of contaminants.

**Credit Hours:** 3 hrs

**Prerequisites:** CHEM 121 and CHEM 122 and ESSC 448

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

### **ESSC 470 - Quantitative Methods in Geography and Geology**

Introduction to current techniques and methods applicable to geographic and geologic problems. An applied course emphasizing statistical analyses and computer applications.

**Credit Hours:** 3 hrs

**Prerequisites:** ESSC 110 and MATH 104, MATH 105, MATH 107, MATH 112, MATH 120 or MATH 122

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

### **ESSC 485 - Introduction to Remote Sensing**

Introduction to remote sensing techniques and types of imagery, including multispectral, thermal and radar images. Emphasis on image enhancement and interpretation in regard to land-use planning and resource management.

**Credit Hours:** 3 hrs

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

### **ESSC 501 - Environmental Earth Science for Educators**

An introduction to the structure and composition of the Earth, land-forming processes, our role within these processes, and environmental problems such as volcanism, earthquakes, flooding, waste disposal, the fresh water crisis, and land subsidence.

**Credit Hours:** 3 hrs

**Previously Listed as:** GEOG501

### **ESSC 514 - Teaching Science with Dinosaurs**

This course provides pre- and in-service teachers with the content and skills necessary to use dinosaurs as a focus topic to teach the scientific method (i.e., science) at the K-12 level. Students will receive hands-on training in numerous dinosaur-based activities designed to directly engage K-12 pupils in all aspects of the scientific method, including data collection, hypothesis formulation and hypothesis testing.

**Credit Hours:** 3 hrs

**Prerequisites:** Admission to the Earth Science Education graduate program or department permission

**Major Restrictions:** Students in the Masters Degree program in Earth Science Education

**Cross-listed with:** ESSC 414

**Last Updated:** Links 05/2011

## **ESSC 520 - GIS Introduction for Educators**

This course is intended as an introductory to geographic information system courses for educators with some computer experience, but no previous GIS experience. The course is designed to open up the world of GIS to the professional educators. The course will include readings and online discussions followed by hands-on exercises.

**Credit Hours:** 3 hrs

**Prerequisites:** a teaching certificate in science, or social science, or business application, or computer information technology or department approval

**Cross-listed with:** GEOG 520

**Last Updated:** Links 05/2011

## **ESSC 522 - Internet GIS for Educators**

This course explores the availability of internet-based GIS tools and data sources and their applicability to the development of K-16 curriculum materials. Participants will investigate a variety of online mapping tools, as well as sources of spatial data that can be integrated into a GIS. Learners will develop an understanding of the purpose and need for accurate metadata when using Internet based data sources.

**Credit Hours:** 3 hrs

**Prerequisites:** a teaching certificate in science, social science, business application, computer information technology or department approval

**Cross-listed with:** GEOG 522

**Last Updated:** Links 05/2011

## **ESSC 524 - GIS As an Instructional Tool in Classrooms**

This course surveys current instructional applications of Geographic Information Systems. Participants will explore strategies for integrating GIS within a variety of K-16 instructional environments. In addition, learners will develop simple, introductory instructional materials intended to introduce students to GIS as a tool for data display, symbolization and analysis.

**Credit Hours:** 3 hrs

**Prerequisites:** GEOG 520/ESSC 520 and GEOG 522/ESSC 522

**Cross-listed with:** GEOG 524

**Last Updated:** Links 05/2011

## **ESSC 530 - Petroleum Geology**

A study of the origin, migration, and accumulation of petroleum; reservoir analysis, exploration and development techniques, and financial analyses. Lecture: two hours per week. Laboratory: two hours per week. Meets with ESSC 430; additional work required for graduate students.

**Credit Hours:** 3 hrs

**Prerequisites:** Department permission

**Equivalent Courses:** ESSC 430

**Last Updated:** New Course 03/2012; effective FALL 2012

### **ESSC 554 - Field Investigations in Earth Science**

This is a summer session course which provides exercises in Earth science for teachers. Students may elect to take a field investigation from the same professional organization or the same school, more than once, provided different topics are studied.

**Credit Hours:** 1 hr

**Prerequisites:** Admission to the ESE graduate program; department permission

### **ESSC 555 - Field Investigations in Earth Science**

This is a summer session course which provides exercises in Earth science for teachers. Students may elect to take a field investigation from the same professional organization or the same school, more than once, provided different topics are studied.

**Credit Hours:** 2 hrs

**Prerequisites:** Admission to the ESE graduate program; department permission

### **ESSC 556 - Field Investigations in Earth Science**

This is a summer session course which provides exercises in Earth science for teachers. Students may elect to take a field investigation from the same professional organization or the same school, more than once, provided different topics are studied.

**Credit Hours:** 3 hrs

**Prerequisites:** Admission to the ESE graduate program; department permission

### **ESSC 557 - Field Investigations in Earth Science**

This is a summer session course which provides exercises in Earth science for teachers. Students may elect to take a field investigation from the same professional organization or the same school, more than once, provided different topics are studied.

**Credit Hours:** 6 hrs

**Prerequisites:** Admission to the ESE graduate program; department permission

**Repeatable:** Students may elect to take a field investigation from the same professional organization of the same school more than once, provided different topics are studied.

### **ESSC 562 - Weather**

Introduction to the properties and processes that create weather, including an analysis of conditions aloft, the formation of storms, and methods and problems of weather forecasting.

**Credit Hours:** 3 hrs

**Lecture/Lab Hours:** Lecture: two hours per week. Laboratory: two hours per week

**Prerequisites:** ESSC 212

**Cross-listed with:** ESSC 324

**Last Updated:** Links 06/2011

## **ESSC 565 - New Approaches to Teaching Earth Science**

This course will explore advanced methods for teaching earth science. Various ways to incorporate writing into the teaching of earth science will be discussed, including techniques for inserting writing into earth science without overtaxing the assessment process. Differentiation will be explored for both special education students and TAG students. Finally, advanced activities for use in the classroom will be examined.

**Credit Hours:** 3 hrs

**Prerequisites:** Admission to the graduate program in Earth Science Education is required

**Major Restrictions:** Available to Earth Science Education Masters only

## **ESSC 566 - Global Tectonics**

A study of the tenets of plate tectonic theory, building on material from previous classes. An introduction to geophysical processes, paleomagnetism, deep Earth structure and an investigation into the plate tectonic make-up and evolution of key aspects of the North American plate are also covered. This class is designed for students with Geology or Earth Science backgrounds.

**Credit Hours:** 3 hrs

## **ESSC 567 - Paleoclimatology**

Causes and effects of natural climate change throughout Earth's history. Topics include analytical methods used to reconstruct past climates, tectonic effects, interplay between oceanic and atmospheric circulation, ice ages climates and glaciations, corals and El Niño. Emphasis is placed on events of the last 2.7 million years.

**Credit Hours:** 3 hrs

**Prerequisites:** Admission to the graduate program in Earth Science Education is required

**Major Restrictions:** Available to Earth Science Education Masters only

## **ESSC 569 - Principles of Hydrology for Educators**

An examination of the physical aspects of water in the environment. The hydrologic cycle, water balances, drainage basin analysis and ground water characteristics are highlighted. Methods to teach these subjects at the secondary level are also introduced.

**Credit Hours:** 3 hrs

**Major Restrictions:** Available to Earth Science Education Masters only

## **ESSC 590 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **ESSC 591 - Special Topics**



An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **ESSC 592 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **ESSC 597 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **ESSC 598 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **ESSC 599 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **ESSC 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **ESSC 665 - Professional Paper**

The student is expected to investigate some area of earth science or earth science educational theory or practice, gather and analyze information, draw conclusions to add to the body of knowledge and write a paper of publishable quality completed in consultation with a faculty adviser.

**Credit Hours:** 3 hrs

**Prerequisites:** ESSC 470 and ESSC 565

**Major Restrictions:** Available to Earth Science Education Masters only

**Last Updated:** Links 05/2011

## **ESSC 667 - School GIS Projects and Lesson Plan Development**

This course is focused on using State and National Benchmarks to plan, research and develop GIS lessons in a K-16 setting. In this course you will accomplish this by readings, lesson critiques and lesson development using Michigan Climb benchmarks.

**Credit Hours:** 3 hrs

**Prerequisites:** GEOG 524/ESSC 524

**Cross-listed with:** GEOG 667

**Last Updated:** Links 05/2011

## **ESSC 669 - GIS Lesson Plan Development**

**Credit Hours:** 3 hrs

**Prerequisites:** ESSC 524 and ESSC 667

**Last Updated:** Links 05/2011

## **ESSC 679 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **ESSC 680 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **ESSC 681 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **ESSC 697 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **ESSC 698 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **ESSC 699 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **Geography and Geology**

### **GEOG 441 - Transportation Geography and Planning**

Explores the evolution of transportation in American society, with special attention paid to the impact of railroads, the automobile and the airline industry. Topics include an introduction to techniques for modeling transportation system demand.

**Credit Hours:** 3 hrs

**Prerequisites:** GEOG 235, GEOG 212 or GPLN 215

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

### **GEOG 445 - Cultural Tourism Resources**

Survey of the relationships between cultural heritage resources and tourism. The tourism potentials of cultural centers and museums, archeological sites, folk crafts and foodways, regional cultural mannerisms, ethnic landscapes, architecturally significant buildings, historic cities and towns, and other types of historic landscapes will be covered.

**Credit Hours:** 3 hrs

**Prerequisites:** GEOG 212 or GEOG 336

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate credit 07/2011; Links 06/2011

### **GEOG 446 - Heritage Interpretation and Tourism**

Evolution of the private sector tour-guiding and the public sector heritage interpretation concepts. Practice in the application of interpretive technique to cultural and natural tourism resources. Strategies for the integrative use of interpretive methods, including tours, demonstrations, talks, person-to-person experiences, publications, exhibits, signage and audiovisuals.

**Credit Hours:** 3 hrs

**Prerequisites:** GEOG 445

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

### **GEOG 477 - Special Topics**

An exploration and study of topics not covered in other departmental offerings. Students may elect more than once, provided different topics are studied.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

### **GEOG 478 - Special Topics**

An exploration and study of topics not covered in other departmental offerings. Students may elect more than once, provided different topics are studied.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

### **GEOG 479 - Special Topics**

An exploration and study of topics not covered in other departmental offerings. Students may elect more than once, provided different topics are studied.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

### **GEOG 480 - Geographic Information Systems Projects**

A study of different ways in which GIS is being used to resolve problems in the public and private sectors and in academia. Emphasis is on how GIS technology is being used in areas such as facility management, natural resource management, urban planning, environmental modeling, historical preservation, geology, health planning, etc. By working on a number of small, but realistic, projects students learn how to conceptualize GIS solutions to problems and how to professionally implement GIS projects.

**Credit Hours:** 3 hrs

**Prerequisites:** GEOG 376

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

### **GEOG 505 - Seminar in Methods and Research**

Basic research techniques applicable to Geography, Planning and Geographic Information Systems students. Course work includes location and identification of source materials, statement and analysis of problems, and preparation of results of research.

**Credit Hours:** 2 hrs

## **GEOG 509 - Geodatabases for Enterprise GIS**

This course introduces students to current technologies used to develop and manage enterprise geodatabases. Emphasis is on the conceptual, logical and physical design aspects of geodatabases; managing enterprise geodatabases; and surveying desktop and web mapping clients that utilize geodatabases.

**Credit Hours:** 3 hrs

**Prerequisites:** GEOG 579 or department permission

**Repeatable:** No

**Last Updated:** New Course 01/2012, effective Winter 2012

## **GEOG 513 - South American Lands**

A regional study of the countries of South America; resources, people and national cultures are stressed.

**Credit Hours:** 2 hrs

**Prerequisites:** GEOG 321 or equivalent

**Last Updated:** Links 06/2011

## **GEOG 518 - Problems of Sub-Saharan Africa**

Individual research in selected problems in the geography of Sub-Saharan Africa.

**Credit Hours:** 2 hrs

**Prerequisites:** GEOG 322 or equivalent

**Last Updated:** Links 06/2011

## **GEOG 520 - GIS Introduction for Educators**

This course is intended as an introductory Geographic Information Systems course for educators with some computer experience, but no previous GIS experience. The course is designed to open up the world of GIS to the professional educators. The course will include readings and online discussions followed by hands-on exercises.

**Credit Hours:** 3 hrs

**Prerequisites:** A teaching certificate in science, social science, business application, computer information technology or department approval

**Cross-listed with:** ESSC 520

**Last Updated:** Links 05/2011

## **GEOG 522 - Internet GIS for Educators**

This course explores the availability of internet-based GIS tools and data sources and their applicability to the development of K-16 curriculum materials. Participants will investigate a variety of online mapping tools, as well as sources of spatial data that can be integrated into a GIS. Learners will develop an understanding of the purpose and need for accurate metadata when using Internet based data sources.

**Credit Hours:** 3 hrs

**Prerequisites:** a teaching certificate in science, or social science, or business application, or computer information technology or

department approval  
**Cross-listed with:** ESSC 522  
**Last Updated:** Links 05/2011

### **GEOG 524 - GIS As an Instructional Tool in Classrooms**

This course surveys current instructional applications of geographic information systems. Participants will explore strategies for integrating GIS within a variety of K–16 instructional environments. In addition, learners will develop simple, introductory instructional materials intended to introduce students to GIS as a tool for data display, symbolization and analysis.

**Credit Hours:** 3 hrs  
**Prerequisites:** GEOG 520/ESSC 520 and GEOG 522/ESSC 522  
**Cross-listed with:** ESSC 524  
**Last Updated:** Links 05/2011

### **GEOG 531 - American Cultural Landscapes**

The diversity of the human geography of the United States will be explored in terms of representative cultural landscapes of selected regions. Historic characteristics of urban and rural landscapes in America will be analyzed by means of readings, audio-visual presentations and discussions.

**Credit Hours:** 2 hrs

### **GEOG 541 - Material Cultures: A Disciplinary Overview**

Introduces and examines material culture from the perspective of six or seven academic disciplines that make use of objects in their analysis of culture. Major emphasis is given to American material culture.

**Credit Hours:** 3 hrs

### **GEOG 546 - Problems in Population Geography**

Readings, discussion and research of selected problems in population geography.

**Credit Hours:** 2 hrs  
**Prerequisites:** GEOG 361 or equivalent  
**Last Updated:** Links 06/2011

### **GEOG 548 - American Vernacular Architecture**

Vernacular structures are analyzed as aspects of material culture and cultural landscape contributing to regional personality within the United States. Attention is given to old world antecedents, colonial development and diffusion of regional forms from their colonial nodes. Focus will be on the materials and techniques used in construction.

**Credit Hours:** 2 hrs

### **GEOG 549 - Cultural Landscape Interpretation**

Principles of cultural landscape interpretation as well as the development of local interpretation keys are investigated. Analysis of cultural landscapes is carried out in lectures, field practice, discussion sessions and student reports.

**Credit Hours:** 2 hrs  
**Prerequisites:** GEOG 360 or equivalent  
**Last Updated:** Links 06/2011

### **GEOG 563 - Climate**

Regional climates are assessed in terms of characteristic types and frequencies of weather, with emphasis on geographic and atmospheric causes of differences and variations. Data in a number of statistical and graphical forms are interpreted in evaluating and classifying climates. One hour lecture and two hours laboratory per week.

**Credit Hours:** 2 hrs  
**Prerequisites:** ESSC 324 or GEOG 562  
**Last Updated:** Links 06/2011

### **GEOG 567 - Introduction to Coastal Environments**

Description and analysis of the physical and biogeographical processes of the coastal ocean, Great Lakes and inland lakes. Distribution and origin of the coastal environments; natural and human modification of beach, river valley, estuary, marsh, delta and coral reef environments. Classroom demonstrations and field trips.

**Credit Hours:** 2 hrs  
**Prerequisites:** department permission

### **GEOG 570 - Rural Planning and Preservation**

This course informs students how to develop a rural plan and evaluate implementation alternatives.

**Credit Hours:** 2 hrs  
**Prerequisites:** URP 553 or GHPR 530  
**Last Updated:** Links 05/2011

### **GEOG 571 - Teaching of Social Studies**

Subjects included: selecting, securing, organizing, presenting and evaluating materials. Not open to students who hold credit in GEOG 348.

**Credit Hours:** 2 hrs  
**Last Updated:** Links 06/2011

### **GEOG 575 - Interpretation of Aerial Photography**

Interpretation of black and white, color and color infrared photographs. Emphasis on photo interpretation, measurements and mapping. Class project and optional field trip. Not open to students with credit in ESSC 405.

**Credit Hours:** 3 hrs  
**Prerequisites:** GEOG 579 or equivalent  
**Last Updated:** Links 05/2011

### **GEOG 577 - Geographical Literature**

An evaluation of journals, abstracts and government publications. Visits to local specialized resource centers to investigate maps and documents. Preparation of bibliographies and assessment of literature on selected topics in geography.

**Credit Hours:** 2 hrs

### **GEOG 579 - Geographic Information Systems**

Use of computers for storing, displaying and manipulating spatial information. Principles of geocoding, data capture and data analysis. Applications include land capability, facilities management and locational analysis for land planning, environmental assessment and historic preservation.

**Credit Hours:** 3 hrs

### **GEOG 580 - Urban Environmental Management**

Survey and evaluation of geologic, topographic, geomorphologic, hydrologic and atmospheric factors that potentially and actually have impact on urban development and environmental management.

**Credit Hours:** 2 hrs

**Prerequisites:** URP 553

**Last Updated:** Links 05/2011

### **GEOG 581 - Advanced Environmental Assessment**

Preparation and critique of environmental assessments and site plans. Emphasis on current environmental problems, regulations, data interpretation and impact mitigation. Optional field trips.

**Credit Hours:** 3 hrs

**Prerequisites:** URP 553 and GEOG 579

**Last Updated:** Links 05/2011

### **GEOG 582 - Remote Sensing of Earth Resources**

Manual interpretation and microcomputer processing of various types of remote-sensing imagery. Application of this technology to land-use planning, environmental assessment, information systems and Third World development.

**Credit Hours:** 3 hrs

**Prerequisites:** GEOG 575

**Last Updated:** Links 05/2011

### **GEOG 583 - Cartographic Design**

Emphasis is on developing map-making skills, using a variety of instruments and techniques. Quality work is stressed to prepare for professional employment. Not open to students with credit in ESSC 401 or ESSC 402 or equivalent.

**Credit Hours:** 3 hrs

**Last Updated:** Links 06/2011

### **GEOG 584 - Visual Programming for GIS Customization**



The course is designed to teach programming and problem-solving practices which are applicable to window programming environments, but with specific emphasis on a Visual® programming language and its relevance to GIS software customization. The course will include lectures and discussions followed by hands-on exercises.

**Credit Hours:** 3 hrs

**Prerequisites:** GEOG 579

**Last Updated:** Links 05/2011

## **GEOG 585 - Geographic Information Systems Applications**

A lecture and computer-based applied course using geographic information systems to understand common geographic and geologic problems in local government and private industry. A significant part of the course consists of analyzing existing real-world applications that develop intermediate and advanced GIS skills in data collection, manipulation, analysis and presentation.

**Credit Hours:** 3 hrs

**Prerequisites:** GEOG 579

**Last Updated:** Links 05/2011

## **GEOG 587 - Cooperative Education in Geography/Geology**

A semester equivalent of full-time employment at a private firm, public agency or nonprofit institution that provides an applied experience for the graduate student. Participating students must be recommended to the Cooperative Education Office by a departmental faculty member. A written report is required at the end of the employment period. Credit on the geography and geology programs is subject to departmental approval.

**Credit Hours:** 3 hrs

**Prerequisites:** enrollment in one of the department's graduate programs; admittance by application only

**Class Restrictions:** Graduate standing

**Terms Offered:** Offered on a credit/no-credit basis.

## **GEOG 590 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are covered. Not more than six hours of special topics courses may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **GEOG 591 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are covered. Not more than six hours of special topics courses may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **GEOG 592 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are covered. Not more than six hours of special topics courses may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **GEOG 597 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **GEOG 598 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **GEOG 599 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **GEOG 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **GEOG 667 - School GIS Projects and Lesson Plan Development**

This course is focused on using State and National Benchmarks to plan, research and develop GIS lessons in a K-16 setting. In this course you will accomplish this by readings, lesson critiques and lesson development using Michigan Climb benchmarks.

**Credit Hours:** 3 hrs

**Prerequisites:** GEOG 524/ESSC 524

**Cross-listed with:** ESSC 667

**Last Updated:** Links 05/2011

### **GEOG 668 - GIS Project**

Study projects emphasizing the development and management techniques of comprehensive GIS programs in real-world applications. Projects chosen based on federal, state and local governments, especially in southeast Michigan and in private

industry. Theses projects are designed to enable students to engage applied research, or problem-solving application, or both.

**Credit Hours:** 3 hrs

**Prerequisites:** GEOG 579 and GEOG 585

**Last Updated:** Links 05/2011

## **GEOG 670 - Spatial Analysis and Modeling**

This course focuses on concepts and techniques for analyzing spatial patterns and relationships. Topics covered include spatial sampling, use of GPS for data collection, exploratory spatial data analysis, use of inferential statistics in GIS, point pattern analysis, spatial regression, geocomputation, terrain analysis, and network analysis.

**Credit Hours:** 3 hrs

**Prerequisites:** GEOG 579 or department permission

**Repeatable:** No

**Last Updated:** New Course 01/2012, effective Winter 2012

## **GEOG 674 - Professional Publication/ Report**

Successful completion of this course will necessitate that the student write a research paper of publishable quality as determined by the faculty and identify a professional journal appropriate for the paper. A major professional report prepared for a public agency or private consulting firm is an acceptable alternative.

**Credit Hours:** 2 hrs

**Prerequisites:** GEOG 505 and department permission

**Last Updated:** Links 05/2011

## **GEOG 678 - Advanced Desktop Programming for GIS Customization**

Advanced GIS programming and customization. Emphasis is on advanced programming structures, writing reusable code for advanced GIS tasks, graphical user interface design, building custom GIS applications that range from moderate to advanced levels of complexity, the Systems Development Life Cycle, and packaging and deployment of software.

**Credit Hours:** 3 hrs

**Prerequisites:** GEOG 584 or department permission

**Previously Listed as:** GEOG 678 - Advanced GIS Applications

**Last Updated:** Title/Description/Prerequisite Change 02/2012, effective Fall 2012; Links 05/2011

## **GEOG 679 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Information on content can be obtained at department office. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **GEOG 680 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Information on content can be obtained at department office. Students may elect this course several times, provided

different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **GEOG 681 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Information on content can be obtained at department office. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **GEOG 683 - Field Studies in Michigan**

The geographic and geologic environment: on-campus sessions and field trips include both subject matter and methodological concerns. Write department for information on content. Offered as a two-week workshop in the summer session.

**Credit Hours:** 2 hrs

### **GEOG 687 - Internship in Geography/Geology**

Supervised internship in some aspect of geography or geology that is of mutual interest to the student and the public or private agency that would "employ" the student. This experience is designed to integrate academic training with practical application.

**Credit Hours:** 4 hrs

**Prerequisites:** department permission

**Notes:** This course may be taken only once.

### **GEOG 688 - Internship in Geography/Geology**

Supervised internship in some aspect of geography or geology that is of mutual interest to the student and the public or private agency that would "employ" the student. This experience is designed to integrate academic training with practical application.

**Credit Hours:** 5 hrs

**Prerequisites:** department permission

**Notes:** This course may be taken only once.

### **GEOG 689 - Internship in Geography/Geology**

Supervised internship in some aspect of geography or geology that is of mutual interest to the student and the public or private agency that would "employ" the student. This experience is designed to integrate academic training with practical application.

**Credit Hours:** 6 hrs

**Prerequisites:** department permission

**Notes:** This course may be taken only once.

### **GEOG 690 - Thesis**

An intensive study of a problem or problems, under the direction of a faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **GEOG 691 - Thesis**

An intensive study of a problem or problems, under the direction of a faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **GEOG 692 - Thesis**

An intensive study of a problem or problems, under the direction of a faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **GEOG 694 - Seminar**

Research, reports and group discussions, emphasizing the distinctive concerns and methodology of geography. The particular topic that is examined will vary from semester to semester. Information regarding the content of a particular seminar may be obtained at the department office. Students may elect this seminar several times, provided the topic studies are different. Not more than six hours of seminar courses may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** URP 553 or GHPR 530

**Last Updated:** Links 05/2011

### **GEOG 695 - Seminar**

Research, reports and group discussions, emphasizing the distinctive concerns and methodology of geography. The particular topic that is examined will vary from semester to semester. Information regarding the content of a particular seminar may be obtained at the department office. Students may elect this seminar several times, provided the topic studies are different. Not more than six hours of seminar courses may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** URP 553 or GHPR 530

**Last Updated:** Links 05/2011

### **GEOG 697 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **GEOG 698 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **GEOG 699 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **Historic Preservation**

### **GHPR 475 - Architectural Nomenclature**

The language and terms of architecture are the focus of this course. The history and development of architectural terminology from the Old World to America will be covered in the first half and the application of same to follow.

**Credit Hours:** 2 hrs

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

### **GHPR 530 - Introduction to Historic Preservation**

Survey of the growth of historic preservation in the United States. Identification of preservation techniques, and federal, state and private preservation agencies and legislation; value and objectives of preservation.

**Credit Hours:** 2 hrs

### **GHPR 531 - Preservation and Planning Law**

This course is designed to introduce students to the legal and historical foundations of planning, zoning and preservation, and the laws that govern current planning and preservation practices. Utilizing lectures, discussions, and readings, this class will help prepare students for professional careers in planning, historic preservations, and cultural resource management.

**Credit Hours:** 3 hrs

### **GHPR 532 - Introduction to Curatorship**

The evolutionary role of the history museum curator in the 21st century will be covered, including fundamental duties, responsibilities, ethics and legal obligations in terms of collections development and stewardship. The role of the curator in the interpretation and exhibition of the collections artifacts will also be explored.

**Credit Hours:** 3 hrs

### **GHPR 533 - Introduction to Historic Administration**

A general introduction to the field of historical administration is presented with an emphasis on the establishment and workings of historical museums. Attention is paid to the ongoing functional needs of historical agencies, namely roles of key personnel,

public relations and collection management.

**Credit Hours:** 2 hrs

### **GHPR 534 - Community Interpretation and Appropriate Tourism**

Traces the origin and development of the community interpretation process and outlines its emerging role in the creation of appropriate tourism programs. The empowerment of local hosts to interpret their area's heritage, visitor behavior, operational issues and the range of potential heritage interpretation experiences will be discussed.

**Credit Hours:** 3 hrs

### **GHPR 535 - Heritage Interpretation Planning**

Extensive practice in the systematic planning of heritage interpretation programs, including analysis of heritage resources; target guest groups; intended programs, goals and objectives; themes and subthemes; desired emotional/sensory experiences; factual concepts; chosen delivery methods; and evaluation scheme.

**Credit Hours:** 3 hrs

### **GHPR 537 - Interpretive Programming for Organizations**

A survey of the existent interpretive programming of selected corporations, institutions and agencies. Practice in the development and proposal of comprehensive interpretive programs for organizations.

**Credit Hours:** 3 hrs

**Prerequisites:** GHPR 534

**Last Updated:** Links 05/2011

### **GHPR 538 - Historic Preservation and Tourism**

An exploration of the correlation between historic preservation and the heritage interpretation that will investigate the cultural landscape and built environment as integral elements of heritage tourism.

**Credit Hours:** 2 hrs

**Prerequisites:** GHPR 530 or URP 557

**Last Updated:** Links 05/2011

### **GHPR 539 - American Decorative Arts**

The most popular forms of American furniture used in the Colonies/USA from c. 1600 to the present will be covered. Emphasis will be on styles, room use, technological changes, and cultural and social patterns as they affected design, style and manufacture of American furniture.

**Credit Hours:** 3 hrs

### **GHPR 546 - International Preservation: Historic Applications**

Preservation's history is covered from its earliest international beginnings in the 16th century to the present. Preservation's past is examined as to how it shapes the future. Attention is given to how historic preservation has evolved in different countries and the present applications in each.

**Credit Hours:** 2 hrs

## **GHPR 547 - Problems in Architectural Interpretation**

The course deals with problems in dating historic structures. Analysis is based on style, construction methods and detailing. Students learn through slide lectures, field trips and term projects how to evaluate buildings for architectural significance.

**Credit Hours:** 2 hrs

**Prerequisites:** ARTH 472 or equivalent

**Last Updated:** Links 05/2011

## **GHPR 551 - Historic Building Systems**

This course explores technologies and systems associated with buildings, primarily American, from the 19th century through the early 21st century. Students study how building systems work together to mediate between humans and the environment, examine the relationship between historic preservation and sustainability, and describe a building using the Historic American Buildings Survey outline format.

**Credit Hours:** 2 hrs

**Previously Listed as:** GHPR 551 - Principles of Building Technology

**Last Updated:** Title and Course Description Change 04/2012, effective Fall 2012

## **GHPR 552 - Materials Conservation I**

Students are introduced to materials and methods used in the conservation and restoration of historic buildings and their historic furnishings. Building and furniture morphology, material morphology, materials and construction history, survey tools, assessment techniques, degradation causes, and preservation techniques are reviewed. Lectures and readings focus on wood, stone, brick, plaster, mortars, stucco, metals, finishes and furniture.

**Credit Hours:** 3 hrs

**Last Updated:** Credit Hour and Course Description Change 02/2012, effective Fall 2012

## **GHPR 557 - Community Development and Downtown Revitalization**

Explores current approaches to community development in the context of downtown commercial revitalization. Particular emphasis is given to the use of historic preservation planning as a strategy for downtown revitalization. Components of a downtown preservation plan to be reviewed include history, urban design, architecture, economics, implementation and preservation law, and public policy.

**Credit Hours:** 3 hrs

**Prerequisites:** GHPR 530 or URP 553

**Last Updated:** Links 05/2011

## **GHPR 558 - Adaptive Use of Historic Structures**

A critical exploration of the issues raised by adaptively used older and historic structures/places through an assessment and discussion of real-life examples via current readings and site visitations.

**Credit Hours:** 2 hrs



## **GHPR 559 - Urban Planning/Preservation Studio**

An interdisciplinary planning and preservation studio in which student teams analyze a revitalization need in a local community, collect data, develop a proposal and make a presentation at a public meeting.

**Credit Hours:** 3 hrs

**Concurrent Prerequisites:** URP 553 or GHPR 530

**Last Updated:** Links 05/2011

## **GHPR 572 - Funding Preservation Projects**

Student is exposed to planning, implementation and follow-up documentation of various types of historic preservation grants. Course also includes discussions on endowments, wills, bequests and financial planning, and development for historical agencies.

**Credit Hours:** 2 hrs

**Prerequisites:** GHPR 530 or GHPR 533

**Last Updated:** Links 05/2011

## **GHPR 587 - Cooperative Education in Cultural Resource Management**

A semester equivalent of full-time employment at a private firm, public agency or nonprofit institution selected to provide the student with a paid work experience in historic preservation. Participating students must be recommended to the Cooperative Education Office by a departmental faculty member. A written report is required at the end of the employment period. Credit on the historic preservation program is subject to departmental approval.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

## **GHPR 590 - Special Topics**

An experimental course for subject material not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are covered. Not more than six hours of special topics courses may be used on a degree program.

**Credit Hours:** 1 hrs

**Prerequisites:** department permission

## **GHPR 591 - Special Topics**

An experimental course for subject material not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are covered. Not more than six hours of special topics courses may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **GHPR 592 - Special Topics**

An experimental course for subject material not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are covered. Not more than six hours of

special topics courses may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **GHPR 597 - Independent Study**

An intensive study of a problem or specifically focused subject matter pertaining to the field of cultural resource management, under the direction of a faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **GHPR 598 - Independent Study**

An intensive study of a problem or specifically focused subject matter pertaining to the field of cultural resource management, under the direction of a faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **GHPR 599 - Independent Study**

An intensive study of a problem or specifically focused subject matter pertaining to the field of cultural resource management, under the direction of a faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **GHPR 620 - Preservation Research Techniques**

A research-intensive course designed to address preservation-oriented research problems, involving built environment and/or cultural landscape analyses as sources of applied research skills.

**Credit Hours:** 2 hrs

### **GHPR 630 - Documenting Historical Places**

Lecture and practical experience in documenting the built environment. Techniques of architectural survey, researching the history and former occupants of a building, and preparation of a National Register nomination. Student projects and possible field trips.

**Credit Hours:** 2 hrs

**Prerequisites:** GHPR 530 or ARTH 472; and GHPR 620

**Last Updated:** Links 05/2011

### **GHPR 631 - Preservation Administration and Planning**

Study of cultural resource management objectives, strategies and techniques, including specific practice in the preparation of various types of National Register nominations, Department of the Interior tax certifications and a local historic district ordinance.

**Credit Hours:** 2 hrs

**Prerequisites:** GHPR 530 or GHPR 557/URP 557 or URP 553

**Last Updated:** Links 05/2011

### **GHPR 632 - Interpreting the Historic House**

Issues in the interpretation of historic house museums will be key. Strategies for interpretation, including its story, mission, connection with the community, accessibility and special events, will be the focus.

**Credit Hours:** 3 hrs

### **GHPR 636 - Historic Preservation Field Project**

Specifically arranged supervised field experiences and application of theoretical viewpoints to field problems in historic preservation.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **GHPR 637 - Historic Preservation Field Project**

Specifically arranged supervised field experiences and application of theoretical viewpoints to field problems in historic preservation.

**Credit Hours:** 6 hrs

**Prerequisites:** department permission

### **GHPR 638 - Preserving Community Character**

An exploration of the interrelated roles of historic preservation, environmental conservation, growth management and tourism as they relate to preserving the unique "community character" of places.

**Credit Hours:** 2 hrs

### **GHPR 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **GHPR 651 - Principles of Preservation Technology**

The course will focus on the specific principles related to the physical intervention and preservation of historic and older structures, utilizing actual case studies to illustrate these principles.

**Credit Hours:** 2 hrs

## **GHPR 652 - Materials Conservation II**

Students learn to formulate and manage a real-world materials condition assessment project. Building and historic furnishing morphology, material morphology, materials and construction history, survey tools, assessment techniques, degradation causers, preservation techniques, and preservation recommendations and researched and formulated into a professionally formatted material condition assessment. Field sessions and studio components are incorporated.

**Credit Hours:** 3 hrs

**Prerequisites:** GHPR 552

**Last Updated:** Credit Hour and discription change, 10/2012: effective Winter 2013, Links 05/2011

## **GHPR 679 - Special Topics**

An experimental course for subject material not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are covered. Not more than six hours of special topics courses may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **GHPR 680 - Special Topics**

An experimental course for subject material not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are covered. Not more than six hours of special topics courses may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **GHPR 681 - Special Topics**

An experimental course for subject material not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are covered. Not more than six hours of special topics courses may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **GHPR 687 - Internship**

Supervised internship in some aspect of historic preservation which is of mutual interest to the student and the public or private agency that would "employ" the student. This experience is designed to integrate academic training with practical application. A maximum of two internships is allowed totaling no more than eight semester hours.

**Credit Hours:** 4 hrs

**Prerequisites:** department permission

## **GHPR 688 - Internship**

Supervised internship in some aspect of historic preservation which is of mutual interest to the student and the public or private agency that would "employ" the student. This experience is designed to integrate academic training with practical application. A

maximum of two internships is allowed totaling no more than eight semester hours.

**Credit Hours:** 5 hrs

**Prerequisites:** department permission

### **GHPR 689 - Internship**

Supervised internship in some aspect of historic preservation which is of mutual interest to the student and the public or private agency that would "employ" the student. This experience is designed to integrate academic training with practical application. A maximum of two internships is allowed totaling no more than eight semester hours.

**Credit Hours:** 6 hrs

**Prerequisites:** department permission

### **GHPR 690 - Historic Preservation Project**

The student conceives his or her own idea for a preservation-related individual project. The student is responsible for the design or planning of the project and carrying it to completion. Required of all historic preservation majors; represents the student's culminating experience prior to graduation.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **GHPR 691 - Historic Preservation Project**

The student conceives his or her own idea for a preservation-related individual project. The student is responsible for the design or planning of the project and carrying it to completion. Required of all historic preservation majors; represents the student's culminating experience prior to graduation.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **GHPR 692 - Historic Preservation Project**

The student conceives his or her own idea for a preservation-related individual project. The student is responsible for the design or planning of the project and carrying it to completion. Required of all historic preservation majors; represents the student's culminating experience prior to graduation.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **GHPR 694 - Seminar in Neighborhood Preservation**

The viability and desirability of neighborhood preservation is discussed and observed from the perspective of affected inhabitants and from the broader urban to national contexts.

**Credit Hours:** 2 hrs

**Prerequisites:** GHPR 530 or GHPR 559/URP 559 or URP 553

**Last Updated:** Links 05/2011

### **GHPR 695 - Seminar in Preservation Issues**

This seminar will focus on research, group discussion, and site investigations that illustrate the distinct issues facing historic preservation. Both methodology and practical applications of specific approaches, which will vary with each offering, will be addressed. This seminar may be taken more than once, provided the topics are different; no more than six hours of seminar credit may be applied to the degree program.

**Credit Hours:** 2 hrs

### **GHPR 696 - Seminar in Preservation Issues**

This seminar will focus on research, group discussion, and site investigations that illustrate the distinct issues facing historic preservation. Both methodology and practical applications of specific approaches, which will vary with each offering, will be addressed. This seminar may be taken more than once, provided the topics are different; no more than six hours of seminar credit may be applied to the degree program.

**Credit Hours:** 3 hrs

### **GHPR 697 - Independent Study**

An intensive study of a problem or specifically focused subject matter pertaining to the field of cultural resource management, under the direction of a faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **GHPR 698 - Independent Study**

An intensive study of a problem or specifically focused subject matter pertaining to the field of cultural resource management, under the direction of a faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **GHPR 699 - Independent Study**

An intensive study of a problem or specifically focused subject matter pertaining to the field of cultural resource management, under the direction of a faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **Urban and Regional Planning**

### **GPLN 590 - Special Topics**

An experimental course for subject material not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are covered. Not more than six hours of special topics courses may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **GPLN 591 - Special Topics**

An experimental course for subject material not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are covered. Not more than six hours of special topics courses may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **GPLN 592 - Special Topics**

An experimental course for subject material not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are covered. Not more than six hours of special topics courses may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **GPLN 597 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **GPLN 598 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **GPLN 599 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **GPLN 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **URP 435 - History of Urban Form and Function**

Historically important periods of urban planning are analyzed in select cities throughout the world and in the United States. Comparisons are made between city plans from other cultures and our own.

**Credit Hours:** 3 hrs

**Prerequisites:** GPLN 215 and GPLN 216

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Previously Listed as:** GPLN 435

**Notes:** GEOG 332 is recommended.

**Last Updated:** Course Prefix Change 03/2012, effective Fall 2012; Graduate Credit 07/2011; Links 06/2011

## **URP 495 - Environmental Assessment and Planning**

An examination of the program elements of environmental impact statements. Geo-based data sources are explored and analyzed. Impact statements are prepared by the class, and existing impact statements are evaluated.

**Credit Hours:** 3 hrs

**Prerequisites:** GPLN 215 or GPLN 276

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Cross-listed with:** ESSC 495

**Previously Listed as:** GPLN 495

**Last Updated:** Course Prefix Change 03/2012, effective Fall 2012; Graduate Credit 07/2011; Links 05/2011

## **URP 505 - Seminar in Methods and Research (NEW COURSE)**

Basic research design and techniques applicable to Geography, Planning, and Geographic Information Systems students. Course work includes location and identification of source materials. statement and analysis of problems and preparation of results of research.

**Credit Hours:** 2 hrs

**Class Restrictions:** All Graduate Students

**Repeatable:** No

**Last Updated:** New Course 05/2012, effective Winter 2013

## **URP 552 - Infrastructure Planning and Policy (NEW COURSE)**

This course gives students an understanding of the major urban and rural infrastructure systems, as well as the role capital budgeting plays in the financing of these systems. Students should be able to recognize and quantify municipal infrastructure needs and understand the planner's role in the provision of these services.

**Credit Hours:** 3 hrs

**Prerequisites:** URP 553

**Equivalent Courses:** URP 452

**Last Updated:** New Course 11/2012; effective Winter 2013

## **URP 553 - Urban and Regional Planning**

Philosophy, history, legal aspects and techniques of the planning process. Case studies illustrate the impact of planning on economic, social and political activities.

**Credit Hours:** 2 hrs

**Previously Listed as:** GEOG 553

**Last Updated:** Course Prefix Change 03/2012, effective Fall 2012



## **URP 555 - Comprehensive Planning**

An integration of planning tools, data sources, forecasting and standards to produce a comprehensive plan that contains components on land use, transportation and capital improvements.

**Credit Hours:** 2 hrs

**Previously Listed as:** GEOG 555

**Last Updated:** Course Prefix Change 03/2012, effective Fall 2012

## **URP 556 - Zoning and Land Development Regulation**

A seminar course exploring zoning, subdivision, and other regulatory tools used in the planning profession to direct and control land development in urban, suburban and rural areas. Course includes discussion of associated constitutional and legal issues surrounding property development, as well as alternatives to typical zoning regulation.

**Credit Hours:** 2 hrs

**Previously Listed as:** GEOG 556

Title change from "Zoning" to "Zoning and Land Development Regulation", description change; effective Winter 2013. **Last Updated:** Course Title and description change 11/2012, effective Winter 2013; Course Prefix Change 03/2012, effective Fall 2012

## **URP 557 - Community Development and Downtown Revitalization**

Explores current approaches to community development in the context of downtown commercial revitalization. Particular emphasis is given to the use of historic preservation planning as a strategy for downtown revitalization. Components of a downtown preservation plan to be reviewed include history, urban design, architecture, economics, implementation and preservation law, and public policy.

**Credit Hours:** 3 hrs

**Prerequisites:** URP 553 or GHPR 530

**Cross-listed with:** GHPR 557

**Previously Listed as:** GEOG 557

**Last Updated:** Course Prefix Change 03/2012, effective Fall 2012; Links 05/2011

## **URP 559 - Urban Planning/Preservation Studio**

An interdisciplinary planning and preservation studio in which student teams analyze a revitalization need in a local community, collect data, develop a proposal and make a presentation at a public meeting.

**Credit Hours:** 3 hrs

**Concurrent Prerequisites:** URP 553 or GHPR 530

**Previously Listed as:** GEOG 559

**Last Updated:** Course Prefix Change 03/2012, effective Fall 2012; Links 05/2011

## **URP 560 - Transportation Modeling Systems**

This course provides skills necessary for being an effective transportation planner. It introduces students to the most common modeling software through lectures and exercises.

**Credit Hours:** 3 hrs

**Prerequisites:** GEOG 441, GEOG 579

**Last Updated:** New course 11/2012, effective Winter 2013

### **URP 590 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are covered. Not more than six hours of special topics courses may be used on a degree program.

**Credit Hours:** 1 hrs

**Prerequisite/Corequisites:** department permission

**Repeatable:** Yes

**Last Updated:** New Course 5/2012, effective Winter 2013

### **URP 591 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are covered. Not more than six hours of special topics courses may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Repeatable:** Yes

**Last Updated:** New Course 5/2012, effective Winter 2013

### **URP 592 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are covered. Not more than six hours of special topics courses may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Repeatable:** Yes

**Last Updated:** New Course 5/2012, effective Winter 2013

### **URP 597 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member.

**Credit Hours:** 1 hrs

**Prerequisites:** department permission

**Last Updated:** New Course 5/2012, effective Winter 2013

### **URP 598 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Last Updated:** New Course 5/2012, effective Winter 2013

### **URP 599 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Last Updated:** New Course 5/2012, effective Winter 2013

### **URP 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hrs

**Prerequisites:** department permission

**Last Updated:** New Course 5/2012, effective Winter 2013

### **URP 674 - Professional Publication/Report (NEW COURSE)**

Successful completion of this course will necessitate that the student write a research paper of publishable quality as determined by the faculty and identify a professional journal appropriate for the paper. A major professional report prepared for a public agency or private consulting firm is an acceptable alternative.

**Credit Hours:** 2 hrs

**Prerequisites:** URP 505 and department permission

**Class Restrictions:** Graduate Students

**Repeatable:** No

**Last Updated:** New Course 05/2012, effective Winter 2013

### **URP 679 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Information on content can be obtained at department office. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hrs

**Prerequisites:** department permission

**Repeatable:** Yes

**Last Updated:** New Course 5/2012, effective Winter 2013

### **URP 680 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Information on content can be obtained at department office. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Last Updated:** New Course 5/2012, effective Winter 2013

### **URP 681 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Information on content can be obtained at department office. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Last Updated:** New Course 5/2012, effective Winter 2013

### **URP 687 - Internship in Urban and Regional Planning**

Supervised internship in some aspect of Urban and Regional Planning that is of mutual interest to the student and the public or private agency that would “employ” the student. This experience is designed to integrate academic training with practical application.

**Credit Hours:** 4 hrs

**Class Restrictions:** All Graduate Students

**Major Restrictions:** department permission

**Repeatable:** This course may be taken only once.

**Last Updated:** New Course 5/2012, effective Winter 2013

### **URP 688 - Internship in Urban and Regional Planning**

Supervised internship in some aspect of urban and regional planning that is of mutual interest to the student and the public or private agency that would “employ” the student. This experience is designed to integrate academic training with practical application.

**Credit Hours:** 5 hrs

**Class Restrictions:** Graduate Students

**Major Restrictions:** Department Permission

**Repeatable:** No

**Last Updated:** New Course 5/2012, effective Winter 2013

### **URP 689 - Internship in Urban and Regional Planning**

Supervised internship in some aspect of urban and regional planning that is of mutual interest to the student and the public or private agency that would “employ” the student. This experience is designed to integrate academic training with practical application.

**Credit Hours:** 6 hrs

**Class Restrictions:** Graduate Students

**Major Restrictions:** Department Permission

**Repeatable:** No

**Last Updated:** New Course 5/2012, effective Winter 2013

## **URP 690 - Thesis**

An intensive study of a problem or problems, under the direction of a faculty member.

**Credit Hours:** 1 hrs

**Prerequisites:** department permission

**Last Updated:** New Course 5/2012, effective Winter 2013

## **URP 691 - Thesis**

An intensive study of a problem or problems, under the direction of a faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Last Updated:** New Course 5/2012, effective Winter 2013

## **URP 692 - Thesis**

An intensive study of a problem or problems, under the direction of a faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Last Updated:** New Course 5/2012, effective Winter 2013

## **URP 697 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member.

**Credit Hours:** 1 hrs

**Prerequisites:**  
department permission

**Last Updated:** New Course 5/2012, effective Winter 2013

## **URP 698 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Last Updated:** New Course 5/2012, effective Winter 2013

## **URP 699 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Last Updated:** New Course 5/2012, effective Winter 2013

# History and Philosophy Programs and Courses

## History and Philosophy

### Master's

#### Master of Arts in History (HST)

Adviser: Ronald Delph  
701R Pray-Harrold  
734.487.1018  
rdelph@emich.edu

##### Objectives

The Master of Arts in History enables students to acquire both general and specific knowledge concerning the human past. The program features specialization and breadth in subject matter. It also incorporates instruction in historiography and methodology as well as practice in research and writing. Students learn to locate, assess and present historical data from primary and secondary sources. This helps students refine their understanding of the meaning and matter of history. The degree can serve as preparation for teaching at the secondary level, for positions in government or business or for further graduate work at the doctoral level.

##### Admission Requirements

Applicants must:

1. Meet the Graduate School's admission requirements;
2. Complete at least 20 hours of undergraduate course work in history, with a GPA of at least 2.75 for all undergraduate history courses; and
3. Have a minimum TOEFL score, if an international student (see the Admissions web site at [www.emich.edu/admissions](http://www.emich.edu/admissions) for minimum scores).

##### Advising

New students should arrange an early conference with the graduate adviser to plan their programs in detail.

##### Program Requirements

The Master of Arts in History program requires successful completion of at least 30 hours of course work. The 30 hours may include up to nine hours of approved 400-level courses. Courses in history are divided into the following areas:

Area 1: United States

Area 2: Europe

Area 3: Other World Areas

Students pursuing the M.A. in History may enroll in one of the two following programs: the Standard Program or the Thesis Program. All students will initially apply to the Standard Program; those wishing to apply to the Thesis Program may do so after having completed 15-18 hours of graduate course work in history.

##### Standard Program

This program is appealing to teachers at the secondary level and to those who wish to pursue careers teaching at a community college. Graduates of this program can also find jobs in state and federal government or in publishing, or they may combine this degree with graduate work in library and information science, public history or historic preservation. This program calls for 30 hours of course work and a comprehensive examination in each of two areas of concentration. The scope, nature and method of

examination are determined by each examiner in consultation with the student. Course requirements for the standard program are as follows:

## Course Requirements:

The M.A. in History requires 30 hours of course work to be distributed among required courses, restricted elective courses, elective courses in history and cognate courses as follows:

### Required Courses: 5 hours

- HIST 505 - Historical Methods 3 hrs
- HIST 688 - Historiography 2 hrs

### Restricted Elective Courses: 12-18 hours

*Three courses in each of two of the following three areas:*

Area 1: United States

Area 2: Europe

Area 3: Other World Areas

### Elective Courses in History: 1-13 hours

*One to 13 hours selected in consultation with the graduate adviser.*

### Cognate Courses: 0-6 hours

*Zero to six hours selected in consultation with the graduate adviser.*

## Thesis Program:

Designed for those intending to pursue doctoral studies in history, this program has further admissions requirements in addition to those described in the standard program. In addition to a 2.75 undergraduate GPA in history, students must score 1150 or better on the GRE, and submit a copy of these test scores along with their application to the thesis tract. Once admitted into the program students will also complete six hours of directed research, concluding with a thesis. No foreign language is required for the thesis tract, but students should consult with their thesis director on the advisability of gaining competency in a foreign language in preparation for engaging in advanced research on the doctoral level. Course requirements for the thesis program are as follows:

### Required Courses: 5-6 hours

- HIST 505 - Historical Methods 3 hrs
- HIST 688 - Historiography 2 hrs

### Restricted Elective Courses: 12-18 hours

*Three courses in each of two of the following three areas:*

Area 1: United States

Area 2: Europe

Area 3: Other World Areas

## Elective Courses in History: 1-13 hours

*One to 13 hours selected in consultation with the graduate adviser.*

## Thesis: 6 hours

*Six hours from the following:*

- HIST 690 - Thesis 1 hr
- HIST 691 - Thesis 2 hrs
- HIST 692 - Thesis 3 hrs

## Program Total: 30 hours

## Undergraduate Courses for Graduate Credit: History and Philosophy

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form from the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- HIST 411 - England to 1689 3 hrs
- HIST 412 - England 1689 to Present 3 hrs
- HIST 424 - The United States from 1917 to 1941 3 hrs
- HIST 416 - American Environmental History 3 hrs
- HIST 425 - The United States from 1941 to 1963 3 hrs
- HIST 426 - The United States from 1963 to the Present 3 hrs
- HIST 427 - Europe from Absolutism to Revolution, 1648-1815 3 hrs
- HIST 435 - Italy since 1815 3 hrs
- HIST 442 - Modern China 3 hrs
- HIST 443 - Modern Japan 3 hrs
- HIST 450 - European Military History, 1815-1945 3 hrs
- HIST 451 - History of the First World War 1914-1918 3 hrs
- HIST 456 - Europe Since 1945 3 hrs
- HIST 457 - History of Mexico 3 hrs
- HIST 461 - Foreign Relations of the United States 3 hrs
- HIST 463 - United States Labor History 3 hrs
- HIST 464 - The Old West, 1540-1890 3 hrs
- HIST 465 - United States Constitutional History 3 hrs
- HIST 468 - The American Mind to the Civil War 3 hrs
- HIST 469 - The American Mind Since the Civil War 3 hrs



- HIST 471 - Social and Intellectual History of 19th-Century Europe 3 hrs
- HIST 480 - The American Revolution 3 hrs
- HIST 481 - The Teaching of Social Studies 3 hrs
- HIST 482 - The Age of Washington and Jefferson 3 hrs
- HIST 486 - The United States as an Emerging World Power 3 hrs
- HIST 487 - Internship 3 hrs
- PHIL 426 - Topics in Gender and Philosophy 3 hrs
- PHIL 429 - Topics in Environmental Philosophy 3 hrs
- PHIL 460 - Philosophy of Language 3 hrs
- PHIL 470 - Contemporary European Philosophy 3 hrs

## Master of Arts in Social Science (SOCS)

Adviser: Ronald Delph  
 701R Pray-Harrold  
 734.487.1018  
 rdelph@emich.edu

### Objectives

The M.A. in Social Science is an interdisciplinary effort among the Economics; Geography and Geology; History and Philosophy; Political Science; and Sociology, Anthropology and Criminology departments, coordinated through the Department of History and Philosophy. Students in the program take courses in at least three of the five departments.

Because the master of arts in social science is interdisciplinary and does not require specialization, it is responsive to individual interests and curricular needs. The program can offer greater expertise to social studies teachers in the elementary and secondary schools. Students with career interests in business or government service can acquire the deeper knowledge and broader perspective that stem from graduate work in social science. In general, the program offers better understanding of the social, cultural, political, economic and geographic factors that shape human experience.

### Admission Requirements

#### Degree Admission

Applicants must:

1. Meet the Graduate School's admission requirements;
2. Have at least 30 hours of undergraduate courses in social science, and an overall undergraduate GPA of at least 2.7; and
3. Have a minimum TOEFL score, if an international student (see Admissions web site at [www.emich.edu/admissions](http://www.emich.edu/admissions) for minimum scores).

In addition to these requirements, degree candidates must satisfy all of the general requirements of the Graduate School.

#### Advising

New students should arrange an early conference with the graduate adviser to plan their programs in detail.

All course selections must be approved by the graduate adviser before registration each semester.

## Course Requirements:

The M.A. in Social Science requires the completion of 30 hours of course work to be distributed among major concentration courses, restricted elective courses and elective courses as follows:

## Major Concentration: 12 hours

*At least six hours at the 500- or 600-level in one of the following: economics, geography (courses classified as social science), history, political science (one course from each of three groups, as specified by the department) or sociology/anthropology.*

## Restricted Elective Courses: 12 hours

*Twelve hours from at least two other disciplines listed above.*

## Elective Courses: 6 hours

*Six hours of social science or any other graduate courses offered by the University.*

## Program Total: 30 hours

## Undergraduate Courses for Graduate Credit: History and Philosophy

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form from the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- HIST 411 - England to 1689 3 hrs
- HIST 412 - England 1689 to Present 3 hrs
- HIST 424 - The United States from 1917 to 1941 3 hrs
- HIST 416 - American Environmental History 3 hrs
- HIST 425 - The United States from 1941 to 1963 3 hrs
- HIST 426 - The United States from 1963 to the Present 3 hrs
- HIST 427 - Europe from Absolutism to Revolution, 1648-1815 3 hrs
- HIST 435 - Italy since 1815 3 hrs
- HIST 442 - Modern China 3 hrs
- HIST 443 - Modern Japan 3 hrs
- HIST 450 - European Military History, 1815-1945 3 hrs
- HIST 451 - History of the First World War 1914-1918 3 hrs
- HIST 456 - Europe Since 1945 3 hrs
- HIST 457 - History of Mexico 3 hrs
- HIST 461 - Foreign Relations of the United States 3 hrs
- HIST 463 - United States Labor History 3 hrs
- HIST 464 - The Old West, 1540-1890 3 hrs
- HIST 465 - United States Constitutional History 3 hrs
- HIST 468 - The American Mind to the Civil War 3 hrs
- HIST 469 - The American Mind Since the Civil War 3 hrs
- HIST 471 - Social and Intellectual History of 19th-Century Europe 3 hrs
- HIST 480 - The American Revolution 3 hrs
- HIST 481 - The Teaching of Social Studies 3 hrs
- HIST 482 - The Age of Washington and Jefferson 3 hrs

- HIST 486 - The United States as an Emerging World Power 3 hrs
- HIST 487 - Internship 3 hrs
- PHIL 426 - Topics in Gender and Philosophy 3 hrs
- PHIL 429 - Topics in Environmental Philosophy 3 hrs
- PHIL 460 - Philosophy of Language 3 hrs
- PHIL 470 - Contemporary European Philosophy 3 hrs

## **Master of Liberal Studies in Social Science and American Culture (SSAC)**

# **PROGRAM WILL BE DELETED: EFFECTIVE FALL 2013**

## **Currently enrolled students will have until September 1, 2020 to graduate**

The M.L.S. in social science and American culture is interdisciplinary in design. The program stresses individual inquiry and diverse opportunities for educational development.

### **Objectives**

The M.L.S. in social science and American culture, administered by the Department of History and Philosophy, draws upon courses in history and philosophy; art; communication, media and theatre arts; economics; English language and literature; geography and geology; interdisciplinary technology; music and dance; political science; sociology, anthropology and criminology; teacher education; and world languages. This highly flexible program familiarizes students with a wide range of American cultures. It both helps students seeking employment in business, industry, or government and facilitates professional advancement for those already employed. The program also provides preparatory training for those desiring to teach or to pursue doctoral studies.

### **Admission Requirements**

Applicants must:

1. Have completed a bachelor's degree, but no particular field or major is required;
2. Meet the GPA requirements for admission and for graduation established by the Graduate School; and
3. Have a minimum TOEFL score, if an international student (see Admissions web site at [www.emich.edu/admissions](http://www.emich.edu/admissions) for minimum scores).

### **Advising**

New Students should arrange an early conference with the graduate adviser to plan their programs in detail.

### **Program Requirements**

The degree requires 30 hours of courses approved for graduate credit. These may include a maximum of nine hours in approved

400-level undergraduate courses. In addition to 24 hours in the American history and complementary concentrations below, the student will complete one of the following options:

**Option I:** Three hours of electives in approved courses in departments participating in the program, and a three-hour independent study. A two-hour integrated examination (oral or written) in American culture, administered by a committee of at least two professors from departments involved in the student's program.

**Option II:** Three hours of electives in approved courses in departments participating in the program, and a three-credit-hour creative, scholarly or pedagogical special project supervised by a committee of at least two professors from departments involved in the student's program.

**Option III:** A thesis for six hours of credit. The thesis must relate to the student's course work in American culture and demonstrate an integrated knowledge of American life and thought. The thesis committee must consist of at least two professors from departments involved in the student's program.

## Course Requirements:

The M.L.S. in social science and American culture requires the completion of 30 hours of course work to be distributed among American history concentration courses, complementary concentration courses and culminating experience courses as follows:

### American History Concentration: 12 hours

*At least six hours from courses at the 500- or 600-level from the department of history listed below.*

### Complementary Concentrations: 12-15 hours

*At least four courses listed below from each of two or more of the participating departments*

### Culminating Experience: 3-6 hours

*Special Project(s) (number varies by department) or Independent Study (697/698/699) for three hours or Thesis (690/691/692) for six hours.*

### Program Total: 30 hours

### Participating Department:

Departments participating in and courses constituting the master of liberal studies in social science and American culture are listed below

### Department of History:

- HIST 424 - The United States from 1917 to 1941 3 hrs
- HIST 425 - The United States from 1941 to 1963 3 hrs
- HIST 426 - The United States from 1963 to the Present 3 hrs
- HIST 463 - United States Labor History 3 hrs
- HIST 464 - The Old West, 1540-1890 3 hrs
- HIST 465 - United States Constitutional History 3 hrs

- HIST 468 - The American Mind to the Civil War 3 hrs
- HIST 469 - The American Mind Since the Civil War 3 hrs
- HIST 482 - The Age of Washington and Jefferson 3 hrs
- HIST 531 - Studies in Black History 3 hrs
- HIST 532 - Studies in Native American History 3 hrs
- HIST 533 - Studies and Techniques in Local History 3 hrs
- HIST 535 - Studies in the History of the Family in the United States 2 hrs
- HIST 538 - Studies in Colonial American History 2 hrs
- HIST 541 - The United States, 1825-1860: Ferment and Reform 2 hrs
- HIST 583 - Studies in the Civil War and Reconstruction 3 hrs
- HIST 584 - Studies in the Gilded Age 2 hrs
- HIST 585 - Studies in 20th Century U.S. History 2 hrs
- HIST 586 - United States in World Politics 2 hrs

### Department of Art:

- ARTH 472 - History of American Architecture 3 hrs

### Department of Communication, Media and Theatre Arts

- CTAT 446 - Contemporary Problems in Electronic Media 3 hrs
- CTAR 562 - American Theatre History 2 hrs
- CTAT 537 - Mass Communications 2 hrs

### Department of Economics

- ECON 501 - Macroeconomic Theory and Policy 3 hrs
- ECON 502 - Microeconomic Theory and Policy 3 hrs
- ECON 551 - State and Local Government Finance 3 hrs

### Department of English Language and Literature

- LITR 523 - Realism and Naturalism in American Literature 3 hrs
- LITR 526 - Studies in African American Literature to 1945 3 hrs
- LITR 568 - Studies in 19th Century American Poetry 3 hrs
- LITR 569 - The American Renaissance: 1830-1860 3 hrs
- LITR 576 - Studies in 20th Century American Fiction 3 hrs
- LITR 577 - Studies in 20th Century American Poetry 3 hrs

### Department of Geography and Geology:

- GEOG 423 - Principles of City and Regional Planning (3 hrs)
- GEOG 431 - Historical Geography of the United States (3 hrs)
- GEOG 433 - Political Geography of the United States (3 hrs)

- GEOG 531 - American Cultural Landscapes 2 hrs
- GEOG 548 - American Vernacular Architecture 2 hrs
- URP 553 - Urban and Regional Planning 2 hrs
- GEOG 567 - Introduction to Coastal Environments 2 hrs
- GEOG 570 - Rural Planning and Preservation 2 hrs
- GHPR 530 - Introduction to Historic Preservation 2 hrs
- GHPR 694 - Seminar in Neighborhood Preservation 2 hrs

### Department of Interdisciplinary Technology:

- MLS 500 - Introduction to Interdisciplinary Technology 3 hrs
- MLS 501 - History of Technology 4 hrs
- MLS 602 - Contemporary Issues in Technology 2 hrs

### Department of Music and Dance:

- MUSC 504 - America's Music 2 hrs
- MUSC 642 - Historical and Philosophical Foundations of Music Education 2 hrs

### Department of Political Science:

- PLSC 456 - Criminal Law I 3 hrs
- PLSC 510 - Modern Public Administration 3 hrs
- PLSC 565 - Studies in State and Local Government 2 hrs
- PLSC 645 - Intergovernmental Relations 2 hrs

### Department of Sociology, Anthropology and Criminology:

- CRM 610 - Theories of Criminal Behavior 3 hrs
- CRM 611 - Sociology of Crime and Its Correction 3 hrs
- SOCL 502 - Racial and Cultural Minorities 3 hrs
- SOCL 503 - The Family as an Institution 3 hrs

### Department of Teacher Education:

- SOFD 572 - The History of American Schooling and Literacy 3 hrs
- SOFD 573 - Black Experience and American Education 2 hrs

### Department of World Languages

### Note:

*Graduate-level special topics courses that offer content in American culture may also be used in the M.L.S. program. Not more than six hours of special topics courses may be used in a degree program.*

## Undergraduate Courses for Graduate Credit: History and Philosophy

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form from the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- HIST 411 - England to 1689 3 hrs
- HIST 412 - England 1689 to Present 3 hrs
- HIST 424 - The United States from 1917 to 1941 3 hrs
- HIST 416 - American Environmental History 3 hrs
- HIST 425 - The United States from 1941 to 1963 3 hrs
- HIST 426 - The United States from 1963 to the Present 3 hrs
- HIST 427 - Europe from Absolutism to Revolution, 1648-1815 3 hrs
- HIST 435 - Italy since 1815 3 hrs
- HIST 442 - Modern China 3 hrs
- HIST 443 - Modern Japan 3 hrs
- HIST 450 - European Military History, 1815-1945 3 hrs
- HIST 451 - History of the First World War 1914-1918 3 hrs
- HIST 456 - Europe Since 1945 3 hrs
- HIST 457 - History of Mexico 3 hrs
- HIST 461 - Foreign Relations of the United States 3 hrs
- HIST 463 - United States Labor History 3 hrs
- HIST 464 - The Old West, 1540-1890 3 hrs
- HIST 465 - United States Constitutional History 3 hrs
- HIST 468 - The American Mind to the Civil War 3 hrs
- HIST 469 - The American Mind Since the Civil War 3 hrs
- HIST 471 - Social and Intellectual History of 19th-Century Europe 3 hrs
- HIST 480 - The American Revolution 3 hrs
- HIST 481 - The Teaching of Social Studies 3 hrs
- HIST 482 - The Age of Washington and Jefferson 3 hrs
- HIST 486 - The United States as an Emerging World Power 3 hrs
- HIST 487 - Internship 3 hrs
- PHIL 426 - Topics in Gender and Philosophy 3 hrs
- PHIL 429 - Topics in Environmental Philosophy 3 hrs
- PHIL 460 - Philosophy of Language 3 hrs
- PHIL 470 - Contemporary European Philosophy 3 hrs

## History

### HIST 411 - England to 1689

The general history of England to the Revolution of 1688, with emphasis on its cultural and constitutional contributions to the modern world.

**Credit Hours:** 3 hrs

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

## **HIST 412 - England 1689 to Present**

England in the period of imperial expansion, its industrial and social revolutions and its transition into a modern socially minded nation.

**Credit Hours:** 3 hrs

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Notes:** A continuation of HIST411

**Last Updated:** Graduate Credit 07/2011

## **HIST 415 - Sexual Communities in American History**

This class addresses the history of sexuality and the development of communities based on sexual identity in the United States. Topics include the origins of scientific theories of sexuality, the development of social movements around sexual issues and social responses to sexual minorities.

**Credit Hours:** 3 hrs

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Cross-listed with:** WGST 415

**Last Updated:** Approved for Graduate Credit 04/2012, effective Fall 2012

## **HIST 416 - American Environmental History**

The history of the United States has in dramatic ways been a history of its inhabitants' relationships with the natural world. This course will examine how Americans, from the pre-Columbian period to the present, have perceived the natural world and acted on it and how that natural world has acted on them.

**Credit Hours:** 3 hrs

**Prerequisites:** (HIST 123 or HIST 124) or (BIO 107 or ESSC 107)

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 10/2011, effective Winter 2012

## **HIST 424 - The United States from 1917 to 1941**

A study of United States history from World War I through U.S. entry into World War II. The course covers foreign affairs, national government and politics, economic developments and social trends. World War I, modernization and cultural conflict of the 1920s and the Great Depression, and New Deal of the 1930s receive special attention.

**Credit Hours:** 3 hrs

**Prerequisites:** HIST 124 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

## **HIST 425 - The United States from 1941 to 1963**

A study of United States history from entry into World War II to the death of President John F. Kennedy. The course covers national government and politics, foreign policy and social history of the American people. World War II diplomacy and home front; Cold War; Truman, Eisenhower and Kennedy administrations; Red Scare; civil rights; suburbanization; mass culture; and



other postwar social and cultural trends receive special attention.

**Credit Hours:** 3 hrs

**Prerequisites:** HIST 124 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

## **HIST 426 - The United States from 1963 to the Present**

A study of United States history from the presidency of Lyndon B. Johnson to the present. The course covers national government and politics, foreign policy and social history of the American people. The Great Society; Vietnam War; protest movements of the 1960s; Nixon administration and Watergate; economic, social and cultural trends of the 1970s and 1980s; the conservative resurgence; and the Reagan Revolution and its aftermath are among topics that receive special attention.

**Credit Hours:** 3 hrs

**Prerequisites:** HIST 124 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

## **HIST 427 - Europe from Absolutism to Revolution, 1648-1815**

A political, social and cultural study of Europe from the Peace of Westphalia through the Napoleonic Era. Emphasizes the development of absolutism in France, constitutionalism in England, the Enlightenment and the French Revolution.

**Credit Hours:** 3 hrs

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

## **HIST 435 - Italy since 1815**

The political, social and economic development of Italy from the Congress of Vienna to the present. Emphasizes the unification movement, domestic and foreign problems of the 19th and 20th centuries, World War I and its effects, Mussolini and Fascism, World War II and the new liberal republic.

**Credit Hours:** 3 hrs

**Class Restrictions:** Junior standing or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

## **HIST 442 - Modern China**

China from 1800 to the present: traditional Confucian China in crisis, impact of the West, reform and revolution. Republican China, the Communist revolution, China since 1949.

**Credit Hours:** 3 hrs

**Prerequisites:** one history course

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

## **HIST 443 - Modern Japan**

Japan from 1800 to the present: collapse of the shogunate, 19th-century reforms, rise of the empire to great power status, defeat in World War II, postwar changes. Political, economic and cultural developments are considered.

**Credit Hours:** 3 hrs

**Prerequisites:** one course in history

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

## **HIST 450 - European Military History, 1815-1945**

This course will examine the European art of war from Napoleon to the end of World War II. Topics include the Boer War, Russo-Japanese War, World War I, Spanish Civil War and World War II. A key question will be the role played by new "hardware," such as rifles, machine guns and the tank.

**Credit Hours:** 3 hrs

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

## **HIST 451 - History of the First World War 1914-1918**

This course will offer a detailed look at the origins, course, and results of the so-called "Great War" from 1914-1918, a conflict better known today as the First World War. Special attention will be paid to the military campaigns of the war, with particular emphases on the role of the new industrial technology upon military tactics and operations.

**Credit Hours:** 3 hrs

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

## **HIST 456 - Europe Since 1945**

Study of the political, economic, social and diplomatic history of Europe since the end of World War II, with emphasis on the Cold War, economic recovery and decline, the European integration movement, solidarity and dissension within the communist bloc, stability and unrest within the democracies, and the impact of U.S.-Soviet detente.

**Credit Hours:** 3 hrs

**Prerequisites:** one course in history or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

## **HIST 457 - History of Mexico**

An introduction to Mexican history from the Amerindian period through the recent past. Examines political, social, economic and cultural developments in the area comprising the present day nation as well as those areas in North America once included in Mexico.

**Credit Hours:** 3 hrs

**Class Restrictions:** Junior standing or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

## **HIST 461 - Foreign Relations of the United States**

A survey of the foreign relations of the United States emphasizing the diplomacy of the period after the Civil War.

**Credit Hours:** 3 hrs

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

### **HIST 463 - United States Labor History**

A history of workers in the United States from colonial times to the present with special emphasis on developments occurring between 1820 and 1940. Considers working-class life and culture, labor unions, government-labor relations and the impact of economic change.

**Credit Hours:** 3 hrs

**Prerequisites:** one course in history

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

### **HIST 464 - The Old West, 1540-1890**

A study of Spanish settlement, the fur trade, great explorations, settlement and expansion, transportation and mining frontiers, the cattle industry and cowboy culture, and the impact on the Indians.

**Credit Hours:** 3 hrs

**Prerequisites:** one course in history

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

### **HIST 465 - United States Constitutional History**

A history of the development of the American Constitution from English and American colonial origins to the present.

**Credit Hours:** 3 hrs

**Prerequisites:** HIST 123 or HIST 124 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

### **HIST 468 - The American Mind to the Civil War**

Ideas and culture in America during the 17th, 18th and early 19th centuries. Includes such subjects as Puritanism, the Enlightenment and Romanticism/Transcendentalism, together with their general cultural implications.

**Credit Hours:** 3 hrs

**Prerequisites:** HIST 123

**Class Restrictions:** Junior standing

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

### **HIST 469 - The American Mind Since the Civil War**

Ideas and culture in America during the late-19th and 20th centuries. Includes such subjects as pragmatism, social Darwinism, nationalism and internationalism, and liberal and conservative thought together with their general cultural implications.

**Credit Hours:** 3 hrs

**Prerequisites:** one course in history

**Class Restrictions:** Junior standing

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

## **HIST 471 - Social and Intellectual History of 19th-Century Europe**

A detailed study of the original concepts of Europe's 19th-century intellectuals whose works were of major influence in the 19th and 20th centuries.

**Credit Hours:** 3 hrs

**Class Restrictions:** Junior standing or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

## **HIST 480 - The American Revolution**

A survey of the transformation of the colonies into the United States of America, with emphasis on British policies and colonial response, the military and diplomatic conduct of the War for Independence, and the impact of the independence on the thirteen states. Attention to historical interpretations will be stressed.

**Credit Hours:** 3 hrs

**Prerequisites:** HIST 123

**Class Restrictions:** Junior standing

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

## **HIST 481 - The Teaching of Social Studies**

For intending teachers in junior and senior high schools. Examines the nature of the subjects included in social science in the public schools and the problems related to the teaching of history and other social studies. Not open to students on academic probation.

**Credit Hours:** 3 hrs

**Prerequisites:** CURR 305 and admission to the teacher education program

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

## **HIST 482 - The Age of Washington and Jefferson**

The formation of the new nation during the War for Independence, the creation of the Constitution, the Federalist era, the Republican administration through Madison's term in office, the War of 1812 and postwar diplomacy.

**Credit Hours:** 3 hrs

**Prerequisites:** HIST 123 or equivalent

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

## **HIST 486 - The United States as an Emerging World Power**

The passing of the frontier after the Civil War, the Industrial Revolution, the big city and its problems, Populist revolt and Progressive reform, Imperialism and World War I.

**Credit Hours:** 3 hrs

**Prerequisites:** HIST 123, HIST 124 or departmental permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

## **HIST 487 - Internship**

**Credit Hours:** 3 hrs

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

## **HIST 505 - Historical Methods**

This course encompasses training in research strategies appropriate to a variety of historical resources, as well as instruction in the skills necessary for communicating the results of such research. A workshop approach offers discrete units in library and archive investigation, demographic and cartographic techniques, and oral and local history, culminating in a research paper.

**Credit Hours:** 3 hrs

**Notes:** Graduate courses (open to candidates for the M.A. in history or social science, and to students from other disciplines, who wish to take cognate hours in history).

## **HIST 510 - Studies in the History of Religion**

Broad topics in one or more religious traditions, usually Hinduism, Buddhism, Judaism, Christianity and Islam. The current topic will be announced in the time schedule.

**Credit Hours:** 2 hrs

**Prerequisites:** one course in history, preferably history of religion

## **HIST 511 - Studies in Ancient History**

Intensive study of selected topics in classical Greek and Roman history during the period 500 B.C.-600 A.D.

**Credit Hours:** 2 hrs

## **HIST 514 - Studies in Renaissance and Reformation History**

An examination of major Renaissance and Reformation issues and developments in their historical setting.

**Credit Hours:** 3 hrs

## **HIST 517 - Historical Background of Modern Britain**

The history of Great Britain from 1815 to the present, with primary emphasis on institutional development. Political, economic, social and imperial problems will be examined, and Great Britain's role in today's world will be assessed.

**Credit Hours:** 2 hrs

## **HIST 518 - Studies in Recent German History**

World War I, the Weimar Republic, the rise of national socialism and the national socialist state, World War II and contemporary Germany.

**Credit Hours:** 2 hrs

## **HIST 520 - French Revolution and Napoleon, 1774-1815**

A study of the French Revolution and its Napoleonic aftermath. Emphasis is placed upon an understanding of the revolutionary movement, interpretation and significance for the future.

**Credit Hours:** 3 hrs

## **HIST 521 - Studies in the History of Women in Europe**

International struggle for suffrage, women in the French Revolution, women's work and theoretical issues in writing women's history.

**Credit Hours:** 3 hrs

## **HIST 522 - Studies in 20th Century Europe**

Topics in 20th century European history selected from the following examples: the World Wars, European communism, the fascist experience, the crisis of European democracies, the Cold War, political reconstruction and economic recovery, and postwar social and cultural change.

**Credit Hours:** 3 hrs

## **HIST 525 - Technology, Social Change and the Role of Women**

This course will examine the nature and origins of technology, the influence of its historical development from classical to modern times on women in the United States and Europe, and problems stemming from current technological advance.

**Credit Hours:** 3 hrs

**Cross-listed with:** WGST 525

**Last Updated:** Links 05/2011

## **HIST 529 - History of Detroit**

History of Detroit from 1701 to the present, examining relations among economic, social and demographic characteristics in each major era. Use of primary sources and field visits to metropolitan Detroit sites will reinforce a major point of analysis, causes of change over time and the effects of those changes.

**Credit Hours:** 2 hrs

## **HIST 530 - Urban Communities in U.S. History**

A study of the economic, spatial, physical, social and political structure and development of urban communities in the United States from the pre-industrial era to the present.

**Credit Hours:** 3 hrs

### **HIST 531 - Studies in Black History**

Selected major developments in the history of black Americans from 1619 to the present.

**Credit Hours:** 3 hrs

### **HIST 532 - Studies in Native American History**

A critical study of the current scholarship in selected chronological topics in the history of native American peoples.

**Credit Hours:** 3 hrs

### **HIST 533 - Studies and Techniques in Local History**

Topics drawn primarily from the history of southeast Michigan and the surrounding areas will be used to illustrate the nature of local history, the sources that can be used in its study and the ways in which this study can provide insight into developments of greater scope.

**Credit Hours:** 3 hrs

**Prerequisites:** HIST 505

**Last Updated:** Links 05/2011

### **HIST 534 - Social and Political History of Michigan**

History of Michigan's development, dating from the French period, emphasizing settlement patterns, migration, immigration and ethnic groupings. Involves broad readings from sources placing Michigan within the context of U.S. development.

**Credit Hours:** 3 hrs

**Prerequisites:** one course in U.S. history or department permission

### **HIST 535 - Studies in the History of the Family in the United States**

The study of a significant issue or problem in the history of the family in the United States. The topic will vary from semester to semester.

**Credit Hours:** 2 hrs

### **HIST 538 - Studies in Colonial American History**

Colonial American political, economic and social institutions; current scholarship and interpretation.

**Credit Hours:** 2 hrs

**Prerequisites:** HIST 123 or equivalent

**Last Updated:** Links 05/2011

### **HIST 541 - The United States, 1825-1860: Ferment and Reform**

An intensive study of the reform movements of the era. Special emphasis is given to women, utopianism, antislavery, immigration, education, temperance, religion and the asylum.

**Credit Hours:** 2 hrs

### **HIST 543 - Nationalism and Modernization in the Middle East and North Africa**

The development of nationalism and modernization in the Middle East and North Africa from World War I to the present; political and social changes occurring in this developing area.

**Credit Hours:** 3 hrs

### **HIST 547 - 19th Century Ideological Background of the Russian Revolution**

Russian thought from the accession of Nicholas I (1825) until the Bolshevik Revolution. Major themes to be treated are the Slavophiles and Westernizers, socialism, anarchism, nihilism, populism, liberalism and conservatism.

**Credit Hours:** 3 hrs

**Prerequisites:** one course in modern European history

### **HIST 550 - 20th Century Russia**

Political, diplomatic, social and cultural developments in Russia from 1894 to the present.

**Credit Hours:** 2 hrs

### **HIST 555 - Studies in Far Eastern History**

Study of selected eras and topics in Far Eastern history. The topic selected will be announced in the time schedule.

**Credit Hours:** 2 hrs

**Prerequisites:** one course in Far Eastern history

### **HIST 556 - Studies in Chinese History**

Topics in different eras and areas of Chinese history. The one selected will be announced in the time schedule: for example, the Han Dynasty 202 B.C.–220 C.E.

**Credit Hours:** 3 hrs

### **HIST 560 - Studies in Latin American History**

An intensive investigation of selected political, economic, social and cultural topics in Latin American history. The specific topics and chronological coverage are announced in the class schedule.

**Credit Hours:** 2 hrs

### **HIST 570 - Civil War: Combat, Culture, and Place**



A course that takes students to important civil war sites as part of a wider exploration of the events related to the cause, conduct, and consequence of the American Civil War. This travel course emphasizes the experience of the common Civil War participant, and provides the student the opportunity to conduct primary research at a major document repository.

**Credit Hours:** 3 hrs

**Last Updated:** New Course 03/2012; effective FALL 2012

## **HIST 572 - Advanced Study in the History of Education**

This course provides an opportunity for advanced study in the history and historiography of education in the United States.

**Credit Hours:** 3 hrs

**Cross-listed with:** SOFD 672

**Repeatable:** Yes; total of 9 credits

**Last Updated:** New Course 01/2012, effective Winter 2012

## **HIST 583 - Studies in the Civil War and Reconstruction**

Major problems of interpretation in the period from 1850 to 1877.

**Credit Hours:** 3 hrs

## **HIST 584 - Studies in the Gilded Age**

The United States moving into a modern phase after the Civil War, leaving behind the old frontier and the blacksmith economy to enter an era characterized by factories, large cities, a race for colonies and sociopolitical unrest.

**Credit Hours:** 2 hrs

## **HIST 585 - Studies in 20th Century U.S. History**

Study of selected topics in the history of the United States from 1900 to the present. Topics may vary from semester to semester.

**Credit Hours:** 2 hrs

**Prerequisites:** one course in U.S. history

## **HIST 586 - United States in World Politics**

American foreign policy in the 20th century, the nation's transition to great-power status and its adjustment to the demands of that role.

**Credit Hours:** 2 hrs

## **HIST 590 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. Subject matter will change from semester to semester. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Repeatable:** May be repeated for credit.

## **HIST 591 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. Subject matter will change from semester to semester. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Repeatable:** May be repeated for credit.

## **HIST 592 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. Subject matter will change from semester to semester. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Repeatable:** May be repeated for credit.

## **HIST 597 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member. A maximum of six hours may be applied toward a degree program. A maximum of three hours may be taken in any one semester or session.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **HIST 598 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member. A maximum of six hours may be applied toward a degree program. A maximum of three hours may be taken in any one semester or session.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **HIST 599 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member. A maximum of six hours may be applied toward a degree program. A maximum of three hours may be taken in any one semester or session.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **HIST 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **HIST 679 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. Subject matter will change from semester to semester. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Repeatable:** May be repeated for credit.

### **HIST 680 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. Subject matter will change from semester to semester. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Repeatable:** May be repeated for credit.

### **HIST 681 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. Subject matter will change from semester to semester. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Repeatable:** May be repeated for credit.

### **HIST 684 - Workshop in Michigan History**

Intensive program using area archives to develop materials for elementary and secondary classroom use. Emphasizes bibliographical development, museum sources and designing a topical framework for teaching Michigan history.

**Credit Hours:** 3 hrs

**Prerequisites:** one course in U.S. history

### **HIST 687 - Cooperative Education in History**

Four to six months of full-time employment in a business or industry chosen to provide practical experience in the student's major field. The cooperative education program consists of one or two work experiences alternating with full-time attendance at the University.

**Credit Hours:** 3 hrs

**Terms Offered:** Offered on a credit/no-credit basis.

### **HIST 688 - Historiography**

A critical study of the writings, philosophy and influence of major historians.

**Credit Hours:** 2 hrs

**Prerequisites:** 15 hours of graduate credit in history

### **HIST 689 - Local History Internship**

Supervised internship in local history, mutually agreeable to student, faculty adviser and internship agency. Content varies with students' needs and interests, and available placement opportunities.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Repeatable:** May not be repeated for credit.

### **HIST 690 - Thesis**

Intensive research into a historical problem and the preparation of a thesis consistent in substance and form with the standards of the historical profession.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **HIST 691 - Thesis**

Intensive research into a historical problem and the preparation of a thesis consistent in substance and form with the standards of the historical profession.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **HIST 692 - Thesis**

Intensive research into a historical problem and the preparation of a thesis consistent in substance and form with the standards of the historical profession.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **HIST 697 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member. Not more than six hours of independent study may be used on a degree program. A maximum of three hours may be taken in any one semester or session.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **HIST 698 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member. Not more than six hours of independent study may be used on a degree program. A maximum of three hours may be taken in any one semester or session.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **HIST 699 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member. Not more than six hours of independent study may be used on a degree program. A maximum of three hours may be taken in any one semester or session.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## Philosophy

### PHIL 426 - Topics in Gender and Philosophy

An examination of gender and its relationship to other issues from a philosophical perspective. Possible topics include rationality, sexuality, aesthetics, ethics and political theory.

**Credit Hours:** 3 hrs

**Prerequisites:** two courses in philosophy other than PHIL 120 or PHIL 130

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Cross-listed with:** WGST 426

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

### PHIL 429 - Topics in Environmental Philosophy

An advanced course that explores the philosophical aspects of topics related to nature, the environment, and/or animal life. Possible topics include: justice and the environment, ethical aspects of climate change, sustainability, conceptions of nature, the human place in nature, the philosophy of ecological restoration, and/or animals.

**Credit Hours:** 3 hrs

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** New Course and Graduate Credit 03/2012

### PHIL 460 - Philosophy of Language

An examination of the philosophically important aspects of language. Possible topics include theories of meaning, analysis of referring and predication, the relation between language and reality, analysis of vagueness and metaphor, the role of language in philosophical method, the relation between language and necessary truth.

**Credit Hours:** 3 hrs

**Prerequisites:** two courses in philosophy

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit Approval 10/2011, effective Fall 2012

### PHIL 470 - Contemporary European Philosophy

An exploration of recent developments in European thought. Possible topics include post-structuralist evaluations of Western institutions and ideas, post-Marxist critical theory, the hermeneutic effort to establish interpretation as the basis of philosophical understanding, and the effect of deconstructive thought on philosophy and literature.

**Credit Hours:** 3 hrs

**Prerequisites:** two courses in philosophy other than PHIL 120 or PHIL 130; recommended: PHIL 332W, PHIL 260 or PHIL 390W

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

### **PHIL 471 - Early Analytic Philosophy**

An examination of some of the major philosophical developments in England and the United States since approximately 1900. Considers logical atomism, logical positivism, pragmatism and ordinary language philosophy as reflected in the works of such philosophers as Russell, Carnap, Ayer, James, Dewey, Ryle, Austin, Quine and Wittgenstein.

**Credit Hours:** 3 hrs

**Prerequisites:** two courses in philosophy other than PHIL 120 or PHIL 130; recommended: PHIL 331W

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Links 11/2011

### **PHIL 526 - Topics in Feminist Philosophy (NEW COURSE)**

Applies philosophical and feminist perspectives on women to the study of special topics in philosophy. Topics may include: epistemology, science, ethics, law, history of philosophy, multicultural responses to philosophy of women and continental perspectives.

**Credit Hours:** 3 hrs

**Prerequisites:** WGST 550

**Cross-listed with:** WGST 526

**Last Updated:** New Course 09/2012, effective Winter 2013

### **PHIL 590 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. Subject matter will change from semester to semester. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Repeatable:** May be repeated for credit.

### **PHIL 591 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. Subject matter will change from semester to semester. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Repeatable:** May be repeated for credit.

### **PHIL 592 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. Subject matter will change from semester to semester. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Repeatable:** May be repeated for credit.

### **PHIL 597 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **PHIL 598 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **PHIL 599 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **PHIL 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Notes:** Credit will not apply toward degree completion.

**Terms Offered:** Course is offered on a credit/no-credit basis.

### **PHIL 697 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **PHIL 698 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **PHIL 699 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

# Mathematics Programs and Courses

## Mathematics

### Master's

#### Master of Arts in Applied Statistics

Adviser: Bingwu Wang Ph.D.  
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bwang@emich.edu

##### Objectives

1. To develop competence in mathematics and statistics beyond the undergraduate level.
2. To improve the teaching of both mathematics and statistics.
3. To prepare for study beyond the master's level in mathematics and/or statistics.
4. To strengthen the mathematical background of professionals needing analytical and quantitative skills related to mathematics and statistics.
5. To provide opportunities for research in mathematics and/or statistics.

##### Admission Requirements

Applicants must:

1. Meet all Graduate School degree admission requirements; and
2. Have completed a course in multivariable calculus, a course in calculus-based probability and statistics and a mathematics "proof" course, although a major in either mathematics or statistics is preferred. A GPA of at least 2.75 is required in both mathematics and statistics course work. Students without such a background may be admitted to the program after meeting requirements specified by the department.

##### Degree Requirements

This program requires a minimum of 34 graduate hours beyond the bachelor's degree, distributed with the approval of the department according to the course requirements below. Approval by the student's adviser of each semester's courses prior to registration is recommended. Final approval for the degree by the coordinator of advising is required.

##### Course Requirements:

The M.A. in Applied Statistics requires the completion of 31-34 hours of course work in mathematics and statistics to be distributed among required courses, restricted elective courses, elective courses and research courses in mathematics and statistics courses as follows, in such a way that the mathematics and statistics courses total 29-30 credits:

##### Mathematics Courses: 6-9 hours



## Required Course: 3 hours

- MATH 416 - Linear Algebra 3 hrs

## Restricted Elective Courses: 3-6 hours

- MATH 519 - Stochastic Mathematical Modeling 3 hrs
- MATH 536 - Numerical Analysis 3 hrs
- MATH 560 - Introduction to Optimization Theory 3 hrs
  
- MATH 420 - Introduction to Real Analysis 3 hrs
- **OR**
- MATH 526 - Real Analysis 3 hrs

## Statistics Courses: 20-24 hours

### Required Courses: 12 hours

- MATH 571 - Mathematical Statistics I: Probability Theory 3 hrs
- MATH 572 - Design and Analysis of Experiments 3 hrs
- MATH 575 - Linear Regression Analysis 3 hrs
- MATH 671 - Mathematical Statistics II: Statistical Inference 3 hrs

### Restricted Elective Courses: 8-12 hours

- MATH 568 - Biostatistics 3 hrs
- MATH 569 - Categorical Data Analysis 3 hrs
- MATH 570 - Statistical Concepts and Methods for Bioinformatics 3 hrs
- MATH 573 - Statistical Data Analysis 2 hrs
- MATH 574 - Applied Statistics 3 hrs
- MATH 576 - Applied Survey Sampling 3 hrs
- MATH 577 - Applied Multivariate Statistics 3 hrs
- MATH 578 - Nonparametric Statistics 3 hrs

### Research Course: 2-4 hours

*At least two hours of thesis or research study in either mathematics or statistics are required. Students will, with the approval of the coordinator of advising, select a supervisor to direct the thesis or research study. See the description of the research requirement for the M.A. in Mathematics.*

## Program Total: 31-34 hours

## Course Rotation Schedule

[Click here](#) to access the Course Rotation Schedules page for the courses required for this program.

## Undergraduate Courses for Graduate Credit: Mathematics

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form from the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- MATH 411 - Abstract Algebra 3 hrs
- MATH 416 - Linear Algebra 3 hrs
- MATH 420 - Introduction to Real Analysis 3 hrs

## Master of Arts in Mathematics (MTH)

Adviser: Bingwu Wang Ph.D.  
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### Objectives

1. To develop competence in mathematics and related areas beyond the undergraduate level.
2. To improve the teaching of mathematics.
3. To prepare for study beyond the master's level in mathematics or mathematics education.
4. To strengthen the mathematical background of professionals needing analytical and quantitative skills.
5. To meet the needs of teachers continuing their education.
6. To provide opportunities for research in mathematics and mathematics education.

### Admission Requirements

Applicants must:

1. Meet the Graduate School's degree admission requirements; and
2. Possess a strong undergraduate major in mathematics (approximately 30 hours with a GPA of 2.75 in mathematics courses). Students without such a major may be admitted to the program after meeting requirements specified by the department.

### Degree Requirements

The master of arts degree in mathematics requires at least 30 graduate hours beyond the bachelor's degree, distributed with the approval of the department according to the course requirements below. Approval by the student's adviser of each semester's courses prior to registration is recommended. Final approval for the degree by the coordinator of advising is required.

## Research Requirement

Students must select one of the following options:

**Option I:** Four hours of thesis research. Additional thesis hours may be taken, but will not replace the requirements listed below under required courses, restricted electives, electives and cognates. Before starting thesis research, students must submit to the department head a request to form a thesis committee to be made up of three faculty members in the department. The chair, who will direct the research, is usually selected by the student and requires the approval of the department head. The chair, in consultation with the student, will then recommend for department-head approval the other two committee members. At the conclusion of their research, students must submit to the department head the original thesis plus three copies written in a manner suitable for publication and approved by the thesis committee. A presentation, based on the thesis, will be made to at least three departmental faculty members.

**Option II:** At least two hours in research study. Students who elect this option will, with the approval of the coordinator of advising, select a supervisor to direct the research study. A copy of the study, written in good and acceptable form, must be filed with the department.

## Course Requirements:

The M.A. in Mathematics requires the completion of 30 hours of course work to be distributed among required courses, restricted elective courses, research courses, elective courses in mathematics and cognate courses as follows:

### Required Courses: 0-9 hours

- \* MATH 411 - Abstract Algebra 3 hrs
- \* MATH 416 - Linear Algebra 3 hrs
- \* MATH 420 - Introduction to Real Analysis 3 hrs

### Restricted Elective Courses: 5-6 hours

*One course from two of the following three groups:*

#### Algebra

- MATH 511 - Linear Algebra 3 hrs
- MATH 518 - Theory of Groups 3 hrs

#### Analysis

- MATH 522 - Fourier Analysis 3 hrs
- MATH 524 - Complex Analysis 3 hrs
- MATH 526 - Real Analysis 3 hrs
- MATH 569 - Categorical Data Analysis 3 hrs

#### Probability and Statistics

- MATH 568 - Biostatistics 3 hrs
- MATH 571 - Mathematical Statistics I: Probability Theory 3 hrs
- MATH 573 - Statistical Data Analysis 2 hrs

- MATH 671 - Mathematical Statistics II: Statistical Inference 3 hrs

## Research Courses: 2-4 hours

*MATH 691/692 Research Study (2/3 hrs) for either two or three hours in research study or four hours of thesis research*

## Elective Courses in Mathematics: 5-23 hours

*Usually no more than six hours in mathematics education courses. Thesis or research study hours in mathematics education do not count as part of this six-hour limitation.*

## Cognate Course: 0-6 hours

*May be taken, in consultation with the graduate adviser, outside the Department of Mathematics, but in an area related to mathematics. The number of such hours permitted in the program will be based on the student's background and needs. Current or prospective teachers of mathematics may take, instead of cognates, up to six additional hours in mathematics education beyond those permitted as electives above.*

## Program Total: 30 hours

## Course Rotation Schedule

Click [here](#) to access the Course Rotation Schedules page for the courses required for this program.

## Note:

*\* Students with undergraduate credit in any or all of these courses (MATH 411, MATH 416 or MATH 420) will substitute approved mathematics electives for these hours.*

## Undergraduate Courses for Graduate Credit: Mathematics

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form from the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- MATH 411 - Abstract Algebra 3 hrs
- MATH 416 - Linear Algebra 3 hrs
- MATH 420 - Introduction to Real Analysis 3 hrs

## Mathematics

### **MATH 400 - History and Development of Mathematics**

The course presents topics in the evolution of mathematics — the historical development of algebra, geometry and calculus provides the major focus. Problems will be assigned that reflect the content and methods of this development.

**Credit Hours:** 3 hrs

**Prerequisites:** MATH 121 and MATH 122

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Graduate Credit 07/2011; Links 05/2011; links 5/2012

## **MATH 411 - Abstract Algebra**

An introduction to the theory and concepts of abstract algebra. Topics from group theory: subgroups, cosets, Lagrange's Theorem, homomorphisms. Also selected topics from ring theory and field theory.

**Credit Hours:** 3 hrs

**Prerequisites:** MATH 211

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Graduate Credit 07/2011; Links 06/2011; links 5/2012

## **MATH 416 - Linear Algebra**

Theoretical aspects of linear algebra: vector spaces, linear transformations and matrices, systems of linear equations, diagonalization, inner product spaces.

**Credit Hours:** 3 hrs

**Prerequisites:** MATH 122 and MATH 211

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Graduate Credit 07/2011; Links 05/2011; 5/2012

## **MATH 420 - Introduction to Real Analysis**

A rigorous introduction to the foundations of calculus: real numbers, elementary topology of the real line, sequences and series, limits, continuity, uniform continuity, introduction to differentiation.

**Credit Hours:** 3 hrs

**Prerequisites:** MATH 211

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 06/2011, links 5/2012

## **MATH 500 - Modern Mathematics Content, K-6**

The modern mathematics required for teaching this subject in the elementary grades (K-6); set theory, logic, numeration systems, the real number system and geometry. Not applicable to M.A. in mathematics program.

**Credit Hours:** 2 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** links 5/2012

## **MATH 501 - New Topics in Modern Mathematics, K-8**

New topics in modern mathematics programs, the materials of various study groups and practical problems in teaching mathematics in grades K-8. Not applicable to M.A. in mathematics program.

**Credit Hours:** 2 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012

## **MATH 502 - Introductory Statistics for Graduate Students**

Statistics basics, organizing data, descriptive measures, probability distribution of discrete random variables, the normal distribution, estimation and hypothesis testing, chi-square procedure, linear regression analysis, and reading and evaluating journal articles. A statistical software package will be used.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012

## **MATH 504 - Mathematics and Statistics for MBAs**

An elementary course emphasizing an understanding of differential calculus and its use in optimization, and an understanding of basic probability and statistics. Open to MBA students only. Not applicable to M.A. in mathematics program.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012

## **MATH 506 - Introduction to Mathematical Logic**

Propositional and first-order predicate calculi and rules of deduction; application in mathematical systems and proofs. Experience in writing proofs is assumed.

**Credit Hours:** 2 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012

## **MATH 507 - Theory of Numbers**

Divisibility theory of integers, primes, theory of congruencies, Fermat's Theorem, Wilson's Theorem, number theoretic functions, multiplicity, Mobius inversion formula, Euler's phi function, quadratic reciprocity. Completion of a course in abstract algebra is assumed.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012

## **MATH 508 - Foundations of Mathematics**

An introduction of axiomatic method, axiomatic set theory, transfinite arithmetic and logical paradoxes; and their influence on modern conceptions of mathematics. Experience in writing proofs is assumed.

**Credit Hours:** 2 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** links 5/2012

## **MATH 511 - Linear Algebra**

Theory of a single linear transformation, canonical forms, inner product spaces. Completion of introductory courses in abstract algebra and linear algebra is assumed.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** links 5/2012

## **MATH 515 - Discrete Mathematics with Applications**

Elementary combinatorics, recurrence relations and generating functions, graphs, trees, network flows, Boolean algebras and applications. Experience with proofs is assumed. Knowledge of linear algebra or an undergraduate discrete mathematics course is recommended.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** links 5/2012

## **MATH 518 - Theory of Groups**

Groups, subgroups and quotient groups, finitely generated abelian groups, Sylow theorems, further topics. Completion of a course in abstract algebra is assumed.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** links 5/2012

## **MATH 519 - Stochastic Mathematical Modeling**

Models of randomness in a variety of applications. Discrete and continuous time Markov chains, renewal processes and generalizations, queuing theory, time series, Brownian motion, and dynamic programming. Completion of basic linear algebra and probability is assumed.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** 1/26/2011, Links 5/2012

## **MATH 522 - Fourier Analysis**

An introduction to Fourier series and their application to the solution of boundary value problems in the partial differential equations of physics and engineering. Completion of courses in real analysis and differential equations is assumed.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** links 5/2012

## **MATH 524 - Complex Analysis**

Complex numbers, analytic functions, elementary complex functions and mappings, Cauchy's Theorem and Cauchy's integral formula, maximum modulus principle, power series and calculus of residues and further topics. Completion of a course in real analysis is assumed.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** links 5/2012

## **MATH 526 - Real Analysis**

A rigorous development of calculus: differentiation and intergration including detailed proofs of the mean value theorems, Taylor's Theorem and the Fundamental Theorem of Calculus, culminating in a brief introduction to an advanced topic such as Fourier series or Lebesgue integration. Completion of an introductory course in real analysis is assumed.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** links 5/2012

## **MATH 530 - Stochastic Calculus**

An introduction to stochastic processes, stochastic integration and differentiation, solving stochastic differential equations, martingale calculus , and martingale measures. A central role is played by the Browian process and Poisson processes. A background in differential equations and theoretical probability is assured.

**Credit Hours:** 3 hrs

**Last Updated:** New Course 11/2012, effective Winter 2013

## **MATH 534 - Topics in Computational Finance**

Stochastic models of stock prices and interest rates, pricing European, American, and exotic derivatives using the methods of risk-neutral valuation, Black-Scholes analysis and numerical methods. A background in stochastic calculus is assumed.

**Credit Hours:** 3 hrs

**Repeatable:** No

**Last Updated:** New Course 11/2012, effective Winter 2013

## **MATH 535 - Chaotic Dynamical Systems**

Theoretical and numerical aspects of systems of differential equations specific to finding qualitative information about sensitivity to initial conditions and long-term behavior of solutions related to chaos. Completion of a course in real analysis or linear algebra is assumed.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** links 5/2012

## **MATH 536 - Numerical Analysis**

Introduction to numerical computation, numerical linear algebra, solution of nonlinear equations, interpolation and approximation, numerical integration and differentiation and numerical solution of ordinary differential equations. Knowledge of calculus, linear algebra and computer programming is assumed.



**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** links 5/2012

## **MATH 538 - Introduction to Computational Finance**

This course provides hand-on exploration of the mathematical principles behind futures, options and stock pricing; portfolio optimization; and other related topics in computational finance. *Knowledge of numerical analysis and computer programming is assumed.*

**Credit Hours:** 3 hrs

**Last Updated:** New Course 11/2012, effective Winter 2013

## **MATH 539 - Data Mining in Finance**

Basics of quantitative finance, statistical data analysis applied to finance, data mining in finances. Knowledge of calculus, linear algebra, statistics and computer programming is assumed.

**Credit Hours:** 3 hrs

**Last Updated:** New Course 11/2012, effective Winter 2013

## **MATH 545 - Fractal Geometry**

Metric space topology and its application to fractal geometry. Fractal geometry studies how to reproduce graphics through function iteration and how to reduce noise in given graphical information. Completion of a course in real analysis is assumed.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** links 5/2012

## **MATH 546 - Graph Theory**

A study of undirected and directed graphs and their structural properties including connectivity and traversability; associated matrices, groups and relations, and applications to networks. Experience in writing proofs is assumed.

**Credit Hours:** 2 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012

## **MATH 548 - Introduction to Differential Geometry**

Fundamental concepts of the theory of curves and surfaces in three-dimensional space; applications. Not open to students with credit in MATH 448 Differential Geometry With An Introduction to General Relativity. Completion of courses in linear algebra and multivariable calculus is assumed.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Link 5/2012, Links 06/2011

## **MATH 550 - General Topology**

General theory of topological spaces, metric spaces, continuity, product and quotient spaces, separation axioms, compactness and connectedness. Completion of a course in real analysis is assumed.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012

## **MATH 560 - Introduction to Optimization Theory**

An introduction to various aspects of optimization theory, including linear and nonlinear programming, primal dual methods, calculus of variations, optimal control theory, sensitivity analysis and numerical methods. Completion of courses in linear algebra and multivariable calculus is assumed.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012

## **MATH 566 - Modeling in Bioinformatics**

Coverage of modeling process in restriction mapping, map assembly, DNA arrays and genome rearrangements. Also covers hidden Markov models and data mining models. Completion of a course in calculus and a course in statistics as well as some knowledge of computer programming is assumed.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012

## **MATH 568 - Biostatistics**

This course introduces statistical concepts and analytical methods as applied to data encountered in biomedical sciences. Topics include sensitivity, specificity, ROC curve, nonparametric tests, Chi-square goodness-of-fit test, risk measures, and survival analysis. A background in calculus-based probability and statistics is assumed.

**Credit Hours:** 3 hrs

**Class Restrictions:** Only Graduate students are permitted to take this course

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Link 5/2012; Class Restriction 7/26/2011; Created 07/22/2011

## **MATH 569 - Categorical Data Analysis**

Statistical methodologies used in analyzing categorical responses. Topics include scale of measurements, exact tests for 2x2 tables and SxR tables, inferences using odds ratio and relative risk, McNemar's test, Mantel-Haenszel test, Wilcoxon-Mann-Whitney Test, Kruskal-Wallis Test, Friedman's Chi-square test, logistic regression for dichotomous and polytomous responses, Poisson regression, Loglinear models. Completion of courses in calculus-based probability and statistics is assumed.

**Credit Hours:** 3 hrs

**Class Restrictions:** Open to Graduate students only

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012, 07/2011

## **MATH 570 - Statistical Concepts and Methods for Bioinformatics**

Statistical techniques for analyzing biological data: probability and statistical estimation theory; sampling theory; stochastic models for biological processes; multiple linear regression; logistic regression; applied multivariate analysis including discriminant functions, factor analysis, principal components, cluster analysis. Applications and computer-based data analysis are stressed. Knowledge of calculus and statistics is assumed.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012

## **MATH 571 - Mathematical Statistics I: Probability Theory**

Set theory, Borel sets, Sigma field of events, probability measures on a sigma field, axioms, finite and countable spaces, random variables and distributions, functions of random vectors, derived distributions, generating and characteristic functions, limit theorems, modes of convergence, law of large numbers. Completion of courses in real analysis and calculus-based probability and statistics is assumed.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012

## **MATH 572 - Design and Analysis of Experiments**

Principles of experimental design and analysis: randomized blocks and Latin Squares, nested or hierarchical designs, experimental and sampling errors, fixed and random effects models, components of variance, expected mean squares, factorial and fractional designs. Not open to students who have credit in MATH 462. Completion of courses in linear algebra and calculus-based probability and statistics is assumed.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012; Links 06/2011

## **MATH 573 - Statistical Data Analysis**

Data analysis using statistical packages such as SAS and MINITAB. Analysis of variance; multivariate regression; stepwise regression; analysis of categorical data, including nonparametric tests, goodness-of-fit tests and tests for normality. Emphasis is on application and understanding of the basic assumptions in testing data. Completion of a calculus-based probability and statistics course is assumed.

**Credit Hours:** 2 hrs

## **MATH 574 - Applied Statistics**

An empirical approach to statistics: generate samples and model distributions; tests of fit to specified distributions; tests of assumptions of randomness (trend); independence (association); biostatistics; product and system reliability. Not open to students with credit in MATH474W. Completion of a calculus-based probability and statistics course is assumed.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012

## **MATH 575 - Linear Regression Analysis**

Modeling a response as a simple or multiple regression model, validity of assumptions, using models for estimation and prediction, multicollinearity, auto-correlation of error terms, residual analysis, influence diagnostics, stepwise regression. Not open to students who have credit in MATH 461. Completion of courses in linear algebra and calculus-based probability and statistics is assumed.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012; Links 06/2011

## **MATH 576 - Applied Survey Sampling**

Theory and applications of sampling: selection of samples; sampling designs; estimation of means and variances; ratio; regression and difference methods; simple, systematic, cluster and stratified random sampling; probability-proportional-to-size sampling. Not open to students who have credit in MATH 460. Completion of a calculus-based probability and statistics course is assumed.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Link 5/2012; Links 06/2011

## **MATH 577 - Applied Multivariate Statistics**

Techniques for analyzing multidimensional data, including multivariate analysis of variance, principle component, discriminant analysis and canonical correlation. Completion of courses in linear algebra and calculus-based probability and statistics is assumed.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012

## **MATH 578 - Nonparametric Statistics**

Selected distribution-free tests; Wilcoxon signed rank; Mann-Whitney tests; Kolmogorov-Smirnov, Chi-square and rank correlation tests; Kruskal-Wallis; Friedman correlation and regression. Completion of a calculus-based probability and statistics course is assumed.

**Credit Hours:** 3 hrs

**Last Updated:** link 5/2012

## **MATH 580 - Mathematical Connections**

The National Council of Teachers of Mathematics recommends an increased use of real-world applications in the secondary school mathematics curriculum. This course provides secondary mathematics teachers with real-world connections to topics found in grades 7-12 such as arithmetic, algebra, geometry, trigonometry, probability and statistics, and calculus.

**Credit Hours:** 2 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012

## **MATH 581 - Modern Mathematics Methods, K-6**

Elective techniques in presenting materials, planning class activities and creating good learning situations; current problems in a modern mathematics curriculum for grades K-6. Not applicable to M.A. in mathematics program.

**Credit Hours:** 2 hrs

**Last Updated:** link 5/2012

## **MATH 582 - Technology for Mathematics Educators**

An in-depth look at how technology can be used to enhance the curriculum in the K-12 mathematics classroom. No microcomputer experience assumed. Intended for educators.

**Credit Hours:** 2 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012

## **MATH 583 - Problem Solving**

Problem-solving skills and strategies will be presented. The course will emphasize what it means to think mathematically and to investigate literature relevant to understanding mathematical thinking and problem solving.

**Credit Hours:** 2 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012

## **MATH 584 - Middle School Mathematics, Methods and Content**

Middle school mathematical content, and contemporary ways of using materials and strategies to present the content. Topics include algebra, geometry, probability and statistics, number theory, logic and other general mathematics notions.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012

## **MATH 586 - Multicultural Perspectives in Mathematics for Teachers**

Multicultural mathematics topics for teachers, designed to increase teachers' knowledge of the formal and informal mathematics developed by diverse people around the world, both now and in the past. Introduces materials and activities that relate mathematics to culture, ethnicity and gender.

**Credit Hours:** 2 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012

## **MATH 587 - Enriching Instruction in High School Mathematics**

New teaching aids and supplementary reading materials; subject matter usually not developed in standard texts (e.g., linear programming, principles of computers and advanced geometric constructions); topics for accelerated high school classes.

**Credit Hours:** 2 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012

## **MATH 588 - High School Mathematics, Methods and Content**

Presents information and materials to broaden and deepen a secondary teacher's background in teaching mathematics. Topics include general mathematics, algebra, geometry, trigonometry and senior mathematics. Applications, strategies of presentation and teaching aids are discussed.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012

## **MATH 589 - Geometry for Secondary Teachers**

Presents information and materials to broaden and deepen a secondary teacher's background in teaching geometry. Foundations of geometry, modern geometry, non-Euclidean geometries and a little topology are studied.

**Credit Hours:** 2 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012

## **MATH 590 - Special Topics**

A graduate-level course in a specific area of mathematics, to be determined by the field of specialization of the instructor and the interest of the students. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

## **MATH 591 - Special Topics**

A graduate-level course in a specific area of mathematics, to be determined by the field of specialization of the instructor and the interest of the students. Not more than six hours of special topics may be used on a degree program

**Credit Hours:** 2 hrs

## **MATH 592 - Special Topics**

A graduate-level course in a specific area of mathematics, to be determined by the field of specialization of the instructor and the interest of the students. Not more than six hours of special topics may be used on a degree program

**Credit Hours:** 3 hrs

## **MATH 595 - Workshop in Mathematics**

Students will be provided practical and theoretical study in a selected topic area. Usually not applicable to M.A. in mathematics program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012

## **MATH 597 - Independent Study**

A report on an approved subject in the field of mathematics, the history of mathematics or the teaching of mathematics, under the guidance of a faculty member of the Mathematics Department.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **MATH 598 - Independent Study**

A report on an approved subject in the field of mathematics, the history of mathematics or the teaching of mathematics, under the guidance of a faculty member of the Mathematics Department.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **MATH 599 - Independent Study**

A report on an approved subject in the field of mathematics, the history of mathematics or the teaching of mathematics, under the guidance of a faculty member of the Mathematics Department.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **MATH 601 - Teaching Junior College Mathematics**

Current problems in a junior college mathematics program. The role of algebra and trigonometry, elementary functions, analytic geometry, the calculus and linear algebra; content and techniques of instruction; CUPM recommendations for a college program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012

## **MATH 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **MATH 671 - Mathematical Statistics II: Statistical Inference**

Distributions, exact sampling distributions, properties of estimators, MLE, BLUE, Bayes and Min-Max estimation, Rao-Blackwell Theorem, completeness, minimal sufficiency, optimal tests, Neyman-Pearson Lemma, likelihood ratio tests, chi-square tests. Completion of a course in linear algebra is assumed.

**Credit Hours:** 3 hrs

**Prerequisites:** MATH 571

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2012

### **MATH 679 - Special Topics**

A graduate-level course in a specific area of mathematics, to be determined by the field of specialization of the instructor and the interest of the students. Completion of a minimum of 10 graduate hours in mathematics, and a graduate GPA in mathematics of 3.3 or above strongly recommended. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

### **MATH 680 - Special Topics**

A graduate-level course in a specific area of mathematics, to be determined by the field of specialization of the instructor and the interest of the students. Completion of a minimum of 10 graduate hours in mathematics, and a graduate GPA in mathematics of 3.3 or above strongly recommended. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

### **MATH 681 - Special Topics**

A graduate-level course in a specific area of mathematics, to be determined by the field of specialization of the instructor and the interest of the students. Completion of a minimum of 10 graduate hours in mathematics, and a graduate GPA in mathematics of 3.3 or above strongly recommended. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

### **MATH 687 - Cooperative Education in Mathematics**

Practical experience in an industrial setting, consisting of a supervised placement involving extensive use of mathematics. The student will be required to submit a plan outlining the academic benefits; and a summary of the experience upon conclusion.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012

### **MATH 690 - Research Study**

Research in areas of mathematics or mathematics education under guided direction. Thesis or final paper dependent upon program option is required at the conclusion of the research work.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **MATH 691 - Research Study**

Research in areas of mathematics or mathematics education under guided direction. Thesis or final paper dependent upon program option is required at the conclusion of the research work.



**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **MATH 692 - Research Study**

Research in areas of mathematics or mathematics education under guided direction. Thesis or final paper dependent upon program option is required at the conclusion of the research work.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **MATH 697 - Independent Study**

A report on an approved subject in the field of mathematics, the history of mathematics or the teaching of mathematics, under the guidance of a faculty member of the Mathematics Department.

**Credit Hours:** 1 hr

**Prerequisites:** completion of a minimum of 10 graduate hours in mathematics, and a graduate GPA in mathematics of 3.3 or above, and department permission.

### **MATH 698 - Independent Study**

A report on an approved subject in the field of mathematics, the history of mathematics or the teaching of mathematics, under the guidance of a faculty member of the Mathematics Department.

**Credit Hours:** 2 hrs

**Prerequisites:** completion of a minimum of 10 graduate hours in mathematics, and a graduate GPA in mathematics of 3.3 or above, and department permission.

### **MATH 699 - Independent Study**

A report on an approved subject in the field of mathematics, the history of mathematics or the teaching of mathematics, under the guidance of a faculty member of the Mathematics Department.

**Credit Hours:** 3 hrs

**Prerequisites:** completion of a minimum of 10 graduate hours in mathematics, and a graduate GPA in mathematics of 3.3 or above, and department permission.

# Music and Dance Programs and Courses

## Music and Dance

### Master's

## Master of Music in Composition (MCOM)

### Admission Requirements

Admission to the Master of Music in Composition program is granted to students who meet the requirements of both the Graduate School and the Department of Music and Dance. Application for admission to the Graduate School should be made to the Office of Admissions, where undergraduate transcripts are evaluated. Transcripts should be forwarded to the Office of Admissions at the time of application.

### Applicants must have:

1. Undergraduate degree in music or its equivalent
2. At least two original compositions
3. Interview with composition faculty
4. Two letters of recommendation

### Music Theory Graduate Placement Exam

Students must achieve an acceptable score (70% or higher) on the Music Theory Graduate Placement Exam prior to enrolling in MUSC 511, MUSC 512, MUSC 513, or MUSC 516. (The Music Theory Graduate Placement Exam may be taken only one time.) Students who fail to achieve an acceptable score must take MUSC 509 - Graduate Theory Review (2 hrs), and receive a B or better in the course, prior to enrolling in MUSC 511, MUSC 512, MUSC 513, or MUSC 516. Students placed into MUSC 509 are allowed to take the course only one time. Any student who does not earn a B or better in the course will not be allowed to continue in the graduate program. MUSC 509 does not count towards degree requirements.

### Conditional Admission

Students deficient in a requirement for degree admission may be granted conditional admission, subject to removal of the deficiency, while beginning graduate study. Hours earned in making up deficiencies are in addition to those normally required for the degree.

### Graduate Advising

Upon admission to the Department of Music and Dance, each student will meet with the graduate adviser for assistance in planning a curriculum.

### Exit Requirements

In addition to Graduate School requirements, Department of Music and Dance requirements are as follows:

1. Comprehensive Review in Composition  
All graduate students must pass an examination covering their major field of study. The examination may be written and/or oral in format, as determined by the student's faculty committee. Written examinations will consist of three to five essay questions and must be completed in three hours or less. Oral examinations will last approximately one hour.

The examination will occur when the student's prescribed course work is substantially completed, in the anticipated semester of graduation. In addition, the student must complete the thesis, recital, or other culminating experience prior

to taking the examination. Exceptions to this policy may occur only with the approval of the student's faculty committee and the department head. The examination will be graded Pass/Fail and can be taken no more than three times.

The examination will be evaluated by a committee consisting of the student's faculty adviser, an additional faculty member from music theory, and a faculty member from outside the major field. The specific makeup of the faculty committee will be determined by the student in consultation with the faculty adviser, and must be approved by the department head. If a student is unable to form a faculty committee, it will be formed by the department head in consultation with the student's faculty adviser.

2. Thesis (original composition for orchestra with the intent of performance). The composition will be rehearsed (20 minutes) and recorded (10 minutes) by the EMU Symphony Orchestra. The student composer will pay for recording and editing costs.

## Course Requirements:

The M.M. in Composition requires the completion of 30 hours of course work to be distributed among supportive studies, major field and electives as follows:

### Supportive Studies in Music: 10 hours

- \* MUSC 500 - Introduction to Graduate Studies 2 hrs

### Four hours from the following:

- \*\* MUSC 511 - Survey of Harmonic Techniques 2 hrs
- \*\* MUSC 512 - Counterpoint 2 hrs
- \*\* MUSC 513 - Form and Analysis 2 hrs

### Four hours from the following:

- MUSC 632 - Baroque Music 2 hrs
- MUSC 633 - Music in the Classical Era 2 hrs
- MUSC 634 - Music in the Romantic Era 2 hrs
- MUSC 635 - Music Since 1900 2 hrs
- MUSC 694 - Seminar 2 hrs

### Courses in Major Field: 16 hours

\*see note

- MUSC 512 - Counterpoint 2 hrs
- MUSC 518 - Music Composition I 3 hrs
- \*\*\* MUSC 617 - Music Composition II 3 hrs
- MUSC 618 - Music Composition III 3 hrs
- MUSC 693 - Thesis 3 hrs
- MUSC 694 - Seminar 2 hrs

## Elective Courses: 4 hours

*Music or nonmusic courses selected in consultation with the graduate adviser.*

## Program Total: 30 hours

### Note:

*\* Students must earn a grade of a B or higher in all supportive studies and major field courses. If a student earns a grade lower than a B in any course, he/she must retake the course and receive a B or higher, before the credits for that course can be counted toward the degree.*

*\*\* Students must achieve an acceptable score on the Music Theory Graduate Placement Exam prior to enrolling in MUSC 511, MUSC 512, MUSC 513 or MUSC 516. Students who fail to achieve an acceptable score must take MUSC 509 and receive a B or better prior to enrolling in any of these courses.*

*\*\*\* Students will be admitted to 600-level Music Composition if the quality and quantity of their work in MUSC 518 indicates that they can do advanced work in composition. MUSC 518 may be taken up to four times, but will only count once towards the degree requirements. Repeating MUSC 518 beyond the four-time limit requires permission from the department.*

## Master of Music in Music Education (MUED)

### Admission Requirements

Admission to the Master of Music in Music Education program is granted to students who meet the requirements of both the Graduate School and the Department of Music and Dance. Application for admission to the Graduate School should be made to the Office of Admissions, where undergraduate transcripts are evaluated. Transcripts should be forwarded to the Office of Admissions at the time of application.

Application for admission to the Department of Music and Dance must be made to the Department of Music and Dance office. Admission requirements are as follows:

1. Undergraduate degree in music education, or its equivalent
2. Interview with appropriate music education faculty
3. Two letters of recommendation from sources familiar with applicant's teaching
4. A letter of interest (one page) stating the applicant's aspirations regarding master's study
5. Audition for applied music placement

### Music Theory Graduate Placement Exam

Students must achieve an acceptable score (70% or higher) on the Music Theory Graduate Placement Exam prior to enrolling in MUSC 511, MUSC 512, MUSC 513, or MUSC 516. (The Music Theory Graduate Placement Exam may be taken only one time.) Students who fail to achieve an acceptable score must take MUSC 509 - Graduate Theory Review (2 hrs), and receive a B or better in the course, prior to enrolling in MUSC 511, MUSC 512, MUSC 513, or MUSC 516. Students placed into MUSC 509 are allowed to take the course only one time. Any student who does not earn a B or better in the course will not be allowed to continue in the graduate program. MUSC 509 does not count towards degree requirements.

### Conditional Admission

Students deficient in a requirement for degree admission may be granted conditional admission, subject to removal of the

deficiency, while beginning graduate study. Hours earned in making up deficiencies are in addition to those normally required for the degree.

### **Graduate Advising**

Upon admission to the Department of Music and Dance, each student will meet with the graduate adviser for assistance in planning a curriculum.

### **Exit Requirements**

In addition to Graduate School requirements, Department of Music and Dance requirements are as follows:

1. **Comprehensive Review in Music Education**

All graduate students must pass an examination covering their major field of study. The examination may be written and/or oral in format, as determined by the student's faculty committee. Written examinations will consist of three to five essay questions and must be completed in three hours or less. Oral examinations will last approximately one hour.

The examination will occur when the student's prescribed course work is substantially completed, in the anticipated semester of graduation. In addition, the student must complete the thesis, recital, or other culminating experience prior to taking the examination. Exceptions to this policy may occur only with the approval of the student's faculty committee and the department head. The examination will be graded Pass/Fail and can be taken no more than three times.

The examination will be evaluated by a committee consisting of the student's faculty adviser, an additional faculty member from the major field, and a faculty member from outside the major field. The specific makeup of the faculty committee will be determined by the student in consultation with the faculty adviser, and must be approved by the department head. If a student is unable to form a faculty committee, it will be formed by the department head in consultation with the student's faculty adviser.

2. **Ensemble Conducting Recital, Exam or Thesis Option.**

## **Course Requirements:**

The M.M. in Music Education requires the completion of 30 hours of course work to be distributed among Supportive Studies, Major Field and Electives as follows:

### **Supportive Studies in Music: 10 hours**

- \* MUSC 500 - Introduction to Graduate Studies 2 hrs

### **Four hours from the following:**

- \*\* MUSC 511 - Survey of Harmonic Techniques 2 hrs
- \*\* MUSC 512 - Counterpoint 2 hrs
- \*\* MUSC 513 - Form and Analysis 2 hrs

### **Four hours from the following:**

- MUSC 632 - Baroque Music 2 hrs
- MUSC 633 - Music in the Classical Era 2 hrs

- MUSC 634 - Music in the Romantic Era 2 hrs
- MUSC 635 - Music Since 1900 2 hrs
- MUSC 694 - Seminar 2 hrs

## Music Education: 18 hours

- Axxx (Applied Music, principal instrument) (1-2 hours)  
\*\*\*see note
- MUSC 572 - Psychology of Music Teaching and Learning 2 hrs
- MUSC 642 - Historical and Philosophical Foundations of Music Education 2 hrs
- MUSC 646 - Music Curriculum and Assessment 2 hrs
- MUSC 694 - Seminar 2 hrs

## Four hours from the following:

- MUSC 565 - Ensemble Pedagogy and Literature 2 hrs
- MUSC 576 - Score Study and Rehearsal Strategies for Music Educators 2 hrs
- MUSC 591 - Special Topics 2 hrs
- MUSC 595 - Workshop in Music 2 hrs
- MUSC 678 - Advanced Conducting for Music Educators 2 hrs
- MUSC 697 - Independent Study 1 hr
- MUSC 698 - Independent Study 2 hrs

## Culminating Experience: 4-5 hours

\*\*\*see note

## One option from the following:

### Option I: Ensemble Conducting Recital: 4 hours

- MUSC 678 - Advanced Conducting for Music Educators 2 hrs
- MUSC 688 - Ensemble Conducting Recital 2 hrs

### Option II: Exam: 4 hours

Graduate music education courses (4 hrs), selected in consultation with the Music Education faculty, and exam

### Option III: Thesis: 5 hours

*One option from the following:*

- EDPS 677 - Methods in Quantitative Research 3 hrs
- EDPS 687 - Qualitative/Interpretive Research 3 hrs

And:

- MUSC 693 - Thesis 3 hrs

## Elective Courses: 2 hours

*Music or nonmusic courses selected in consultation with the graduate adviser.*

## Program Total: 30 hours

### Note:

*\* Students must earn a grade of a B or higher in all supportive studies and major field courses. If a student earns a grade lower than a B in any course, he/she must retake the course and receive a B or higher, before the credits for that course can be counted toward the degree.*

*\*\* Students must achieve an acceptable score on the Music Theory Graduate Placement Exam prior to enrolling in MUSC 511, MUSC 512, MUSC 513 or MUSC 516. Students who fail to achieve an acceptable score must take MUSC 509 and receive a B or better prior to enrolling in any of these courses.*

*\*\*\* Students who pursue Culminating Experience Option III: Thesis are required to take one hour of applied music. All other students must take two hours of applied music.*

## **Master of Music in Music Performance (Collaborative Keyboard) (MPRF)**

### **Admission Requirements**

Admission to the Master of Music in Music Performance (Collaborative Keyboard) program is granted to students who meet the requirements of both the Graduate School and the Department of Music and Dance. Application for admission to the Graduate School should be made to the Office of Admissions, where undergraduate transcripts are evaluated. Transcripts should be forwarded to the Office of Admissions at the time of application.

### **Applicants must have:**

1. Undergraduate degree in music, or its equivalent
2. Interview with appropriate applied music faculty
3. Two letters of recommendation
4. Keyboard audition
5. Repertoire list

### **Music Theory Graduate Placement Exam**

Students must achieve an acceptable score (70% or higher) on the Music Theory Graduate Placement Exam prior to enrolling in MUSC 511, MUSC 512, MUSC 513, or MUSC 516. (The Music Theory Graduate Placement Exam may be taken only one time.) Students who fail to achieve an acceptable score must take MUSC 509 - Graduate Theory Review (2 hrs), and receive a B or better in the course, prior to enrolling in MUSC 511, MUSC 512, MUSC 513, or MUSC 516. Students placed into MUSC 509

are allowed to take the course only one time. Any student who does not earn a B or better in the course will not be allowed to continue in the graduate program. MUSC 509 does not count towards degree requirements.

### **Conditional Admission**

Students deficient in a requirement for degree admission may be granted conditional admission, subject to removal of the deficiency, while beginning graduate study. Hours earned in making up deficiencies are in addition to those normally required for the degree.

### **Graduate Advising**

Upon admission to the Department of Music and Dance, each student will meet with the graduate adviser for assistance in planning a curriculum.

### **Exit Requirements**

In addition to Graduate School requirements, Department requirements are as follows:

1. **Comprehensive Review in Performance**

All graduate students must pass an examination covering their major field of study. The examination may be written and/or oral in format, as determined by the student's faculty committee. Written examinations will consist of three to five essay questions and must be completed in three hours or less. Oral examinations will last approximately one hour.

The examination will occur when the student's prescribed course work is substantially completed, in the anticipated semester of graduation. In addition, the student must complete the thesis, recital, or other culminating experience prior to taking the examination. Exceptions to this policy may occur only with the approval of the student's faculty committee and the department head. The examination will be graded Pass/Fail and can be taken no more than three times.

The examination will be evaluated by a committee consisting of the student's faculty adviser, an additional faculty member from the major field, and a faculty member from outside the major field (or in the case of performance majors, from outside their performance specialty - brass, keyboard, percussion, string, vocal, or woodwind). The specific makeup of the faculty committee will be determined by the student in consultation with the faculty adviser, and must be approved by the department head. If a student is unable to form a faculty committee, it will be formed by the department head in consultation with the student's faculty adviser.

2. **Graduate Recital.** Requirements are as follows:

- a. Student must be registered for applied music during the semester in which the recital is given.
- b. Student will perform a recital hearing for a faculty committee at least three weeks prior to the performance. In addition to the student's major applied teacher, at least one other faculty member from the committee must attend the recital.
- c. Student will provide a thoroughly researched and appropriately referenced recital paper.
- d. Student will provide a recording of the recital to the Music Office.

## **Course Requirements:**

The M.M. in Music Performance (Collaborative Keyboard) requires the completion of 30 hours of course work to be distributed among supportive studies, major field and electives as follows:

### **Supportive Studies in Music: 10 hours**



- \* MUSC 500 - Introduction to Graduate Studies 2 hrs

#### Four hours from the following:

- \*\* MUSC 511 - Survey of Harmonic Techniques 2 hrs
- \*\* MUSC 512 - Counterpoint 2 hrs
- \*\* MUSC 513 - Form and Analysis 2 hrs

#### Four hours from the following:

- MUSC 632 - Baroque Music 2 hrs
- MUSC 633 - Music in the Classical Era 2 hrs
- MUSC 634 - Music in the Romantic Era 2 hrs
- MUSC 635 - Music Since 1900 2 hrs
- MUSC 694 - Seminar 2 hrs

#### Courses in Major Field: 18 hours

- \* ACOL (Applied Music) at 652-level or above; students must complete ACOL 664 (8 hours)
- \*\*\*\* MUSC 551 - Vocal and Instrumental Collaboration 2 hrs
- MUSC 561 - Studies in Literature 2 hrs
- MUSC 660 - Pedagogy of Music Performance 1 hr
- \*\*\* MUSC 661 - Principal Instrument Pedagogy 1 hr
- MUSC 687 - Graduate Recital 2 hrs

#### Elective Courses: 2 hours

*Music or nonmusic courses selected in consultation with the graduate adviser.*

#### Program Total: 30 hours

#### Note:

*\* Students must earn a grade of a B or higher in all supportive studies and major field courses. If a student earns a grade lower than a B in any course, he/she must retake the course and receive a B or higher, before the credits for that course can be counted toward the degree.*

*\*\* Students must achieve an acceptable score on the Music Theory Graduate Placement Exam prior to enrolling in MUSC 511, MUSC 512, MUSC 513 or MUSC 516. Students who fail to achieve an acceptable score must take MUSC 509 and receive a B or better prior to enrolling in any of these courses.*

*\*\*\* MUSC 661 must be taken concurrently with MUSC 660.*

*\*\*\*\* MUSC 551 is taken twice for a total of 4 hours.*

# **Master of Music in Music Performance (Harpsichord or Organ) (MPRF)**

## **Admission Requirements**

Admission to the Master of Music in Music Performance (Harpsichord or Organ) program is granted to students who meet the requirements of both the Graduate School and the Department of Music and Dance. Application for admission should be made to the Office of Admissions, where undergraduate transcripts are evaluated. Transcripts should be forwarded to the Office of Admissions at the time of application. Application for admission to the Department of Music and Dance should be made to the Department of Music and Dance office. Admission requirements are as follows:

1. Undergraduate degree in music, or its equivalent
2. Interview with the appropriate applied music faculty
3. Two letters of recommendation
4. Audition on harpsichord or organ
5. Repertoire list

## **Music Theory Graduate Placement Exam**

Students must achieve an acceptable score (70% or higher) on the Music Theory Graduate Placement Exam prior to enrolling in MUSC 511, MUSC 512, MUSC 513, or MUSC 516. (The Music Theory Graduate Placement Exam may be taken only one time.) Students who fail to achieve an acceptable score must take MUSC 509 - Graduate Theory Review (2 hrs), and receive a B or better in the course, prior to enrolling in MUSC 511, MUSC 512, MUSC 513, or MUSC 516. Students placed into MUSC 509 are allowed to take the course only one time. Any student who does not earn a B or better in the course will not be allowed to continue in the graduate program. MUSC 509 does not count towards degree requirements.

## **Conditional Admission**

Students deficient in a requirement for degree admission may be granted conditional admission, subject to removal of the deficiency, while beginning graduate study. Hours earned in making up deficiencies are in addition to those normally required for the degree.

## **Graduate Advising**

Upon admission to the Department of Music and Dance, each student will meet with the graduate adviser for assistance in planning a curriculum.

## **Exit Requirements**

In addition to Graduate School requirements, Department of Music and Dance requirements are as follows:

1. **Comprehensive Review in Performance**  
All graduate students must pass an examination covering their major field of study. The examination may be written and/or oral in format, as determined by the student's faculty committee. Written examinations will consist of three to five essay questions and must be completed in three hours or less. Oral examinations will last approximately one hour.

The examination will occur when the student's prescribed course work is substantially completed, in the anticipated semester of graduation. In addition, the student must complete the thesis, recital, or other culminating experience prior to taking the examination. Exceptions to this policy may occur only with the approval of the student's faculty committee and the department head. The examination will be graded Pass/Fail and can be taken no more than three times.

The examination will be evaluated by a committee consisting of the student's faculty adviser, an additional faculty member from the major field, and a faculty member from outside the major field (or in the case of performance majors,

from outside their performance specialty - brass, keyboard, percussion, string, vocal, or woodwind). The specific makeup of the faculty committee will be determined by the student in consultation with the faculty adviser, and must be approved by the department head. If a student is unable to form a faculty committee, it will be formed by the department head in consultation with the student's faculty adviser.

2. Graduate Recital. Requirements are as follows:

- a. Students must be registered for applied music during the semester in which the recital is given.
- b. Student will perform a recital hearing for a faculty committee at least three weeks prior to the performance. In addition to the student's major applied teacher, at least one other faculty member from the committee must attend the recital.
- c. Student will provide a thoroughly researched and appropriately referenced recital paper.
- d. Student will provide a recording of the recital to the Music Office.

## Course Requirements:

The M.M. in Music Performance (Harpsichord or Organ) requires the completion of 30 hours of course work to be distributed among supportive studies, major field and electives as follows:

### Supportive Studies in Music: 10 hours

- \* MUSC 500 - Introduction to Graduate Studies 2 hrs

### Four hours from the following:

- \*\* MUSC 511 - Survey of Harmonic Techniques 2 hrs
- \*\* MUSC 512 - Counterpoint 2 hrs
- \*\* MUSC 513 - Form and Analysis 2 hrs

### Four hours from the following:

- MUSC 632 - Baroque Music 2 hrs
- MUSC 633 - Music in the Classical Era 2 hrs
- MUSC 634 - Music in the Romantic Era 2 hrs
- MUSC 635 - Music Since 1900 2 hrs
- MUSC 694 - Seminar 2 hrs

### Courses in Major Field: 18 hours

- \* Applied Music (Axxx, harpsichord or organ) at 652-level or above; students must complete Axxx 664 (8 hours)
- MUSC 515 - Common Practice Improvisation 2 hrs
- \*\*\*\* MUSC 546 - Collegium Musicum 1 hr
- MUSC 561 - Studies in Literature 2 hrs
- MUSC 660 - Pedagogy of Music Performance 1 hr

- \*\*\* MUSC 661 - Principal Instrument Pedagogy 1 hr
- MUSC 687 - Graduate Recital 2 hrs

## Elective Courses: 2 hours

*Music or nonmusic courses selected in consultation with the graduate adviser.*

## Program Total: 30 hours

### Note:

*\* Students must earn a grade of a B or higher in all Supportive Studies and Major Field courses. If a student earns a grade lower than a B in any course, he/she must retake the course and receive a B or higher, before the credits for that course can be counted toward their degree.*

*\*\* Students must achieve an acceptable score on the Music Theory Graduate Placement Exam prior to enrolling in MUSC 511, MUSC 512, MUSC 513 or MUSC 516. Students who fail to achieve an acceptable score must take MUSC 509 and receive a B or better prior to enrolling in any of these courses.*

*\*\*\* MUSC 661 must be taken concurrently with MUSC 660*

*\*\*\*\* MUSC 546 is taken twice for a total of 2 hours*

## Master of Music in Music Performance (Piano) (MPRF)

### Admission Requirements

Admission to the Master of Music in Music Performance (Piano) program is granted to students who meet the requirements of both the Graduate School and the Department of Music and Dance. Application for admission to the Graduate School should be made to the Office of Admissions, where undergraduate transcripts are evaluated. Transcripts should be forwarded to the Office of Admissions at the time of application.

Application for admission to the Department of Music and Dance must be made to the Department of Music and Dance office. Admission requirements are as follows:

1. Undergraduate degree in music, or its equivalent
2. Interview with the appropriate applied music faculty
3. Two letters of recommendation
4. Audition on piano
5. Repertoire list

### Music Theory Graduate Placement Exam

Students must achieve an acceptable score (70% or higher) on the Music Theory Graduate Placement Exam prior to enrolling in MUSC 511, MUSC 512, MUSC 513, or MUSC 516. (The Music Theory Graduate Placement Exam may be taken only one time.) Students who fail to achieve an acceptable score must take MUSC 509 - Graduate Theory Review (2 hrs), and receive a B or better in the course, prior to enrolling in MUSC 511, MUSC 512, MUSC 513, or MUSC 516. Students placed into MUSC 509 are allowed to take the course only one time. Any student who does not earn a B or better in the course will not be allowed to continue in the graduate program. MUSC 509 does not count towards degree requirements.

### **Conditional Admission**

Students deficient in a requirement for degree admission may be granted conditional admission, subject to removal of the deficiency, while beginning graduate study. Hours earned in making up deficiencies are in addition to those normally required for the degree.

### **Graduate Advising**

Upon admission to the Department of Music and Dance, each student will meet with the graduate adviser for assistance in planning a curriculum.

### **Exit Requirements**

In addition to Graduate School requirements, Department of Music and Dance requirements are as follows:

1. **Comprehensive Review in Performance**

All graduate students must pass an examination covering their major field of study. The examination may be written and/or oral in format, as determined by the student's faculty committee. Written examinations will consist of three to five essay questions and must be completed in three hours or less. Oral examinations will last approximately one hour.

The examination will occur when the student's prescribed course work is substantially completed, in the anticipated semester of graduation. In addition, the student must complete the thesis, recital, or other culminating experience prior to taking the examination. Exceptions to this policy may occur only with the approval of the student's faculty committee and the department head. The examination will be graded Pass/Fail and can be taken no more than three times.

The examination will be evaluated by a committee consisting of the student's faculty adviser, an additional faculty member from the major field, and a faculty member from outside the major field (or in the case of performance majors, from outside their performance specialty - brass, keyboard, percussion, string, vocal, or woodwind). The specific makeup of the faculty committee will be determined by the student in consultation with the faculty adviser, and must be approved by the department head. If a student is unable to form a faculty committee, it will be formed by the department head in consultation with the student's faculty adviser.

2. **Graduate Recital. Requirements are as follows:**

- a. Student must be registered for applied music during the semester in which the recital is given.
- b. Student will perform a recital hearing for a faculty committee at least three weeks prior to the performance. In addition to the student's major applied teacher, at least one other faculty member from the committee must attend the recital.
- c. Student will provide a thoroughly researched and appropriately referenced recital paper.
- d. Student will provide a recording of the recital to the Music Office.

## **Course Requirements:**

The M.M. in Music Performance (Piano) requires the completion of 30 hours of course work to be distributed among supportive studies, major field and electives as follows:

## **Supportive Studies in Music: 10 hours**

- \* MUSC 500 - Introduction to Graduate Studies 2 hrs

## Four hours from the following:

- \*\* MUSC 511 - Survey of Harmonic Techniques 2 hrs
- \*\* MUSC 512 - Counterpoint 2 hrs
- \*\* MUSC 513 - Form and Analysis 2 hrs
- \*\* MUSC 516 - Schenkerian Analysis 2 hrs

## Four hours from the following:

- MUSC 504 - America's Music 2 hrs
- MUSC 505 - World Music 2 hrs
- MUSC 631 - Renaissance Music 2 hrs
- MUSC 632 - Baroque Music 2 hrs
- MUSC 633 - Music in the Classical Era 2 hrs
- MUSC 634 - Music in the Romantic Era 2 hrs
- MUSC 635 - Music Since 1900 2 hrs
- MUSC 694 - Seminar 2 hrs

## Courses in Major Field: 18 hours

- \* Applied Music (Axxx, piano) at 652-level or above; students must complete Axxx 664 (8 hours)
- MUSC 561 - Studies in Literature 2 hrs
- MUSC 660 - Pedagogy of Music Performance 1 hr
- \*\*\* MUSC 661 - Principal Instrument Pedagogy 1 hr
- MUSC 687 - Graduate Recital 2 hrs

## Four hours from the following:

- MUSC 515 - Common Practice Improvisation 2 hrs
- MUSC 551 - Vocal and Instrumental Collaboration 2 hrs
- \*\*\*\* MUSC 554 - Chamber Music 1 hr
- MUSC 561 - Studies in Literature 2 hrs

## Elective Courses: 2 hours

*Music or nonmusic courses selected in consultation with the graduate adviser.*

## Program Total: 30 hours

## Note:

*\* Students must earn a grade of a B or higher in all Supportive Studies and Major Field courses. If a student earns a grade lower than a B in any course, he/she must retake the course and receive a B or higher, before the credits for that course can be counted toward their degree.*

*\*\* Students must achieve an acceptable score on the Music Theory Graduate Placement Exam prior to enrolling in MUSC 511, MUSC 512, MUSC 513 or MUSC 516. Students who fail to achieve an acceptable score must take MUSC 509 and receive a B or better prior to enrolling in any of these courses.*

*\*\*\* MUSC 661 must be taken concurrently with MUSC 660*

*\*\*\*\* MUSC 554 is taken twice for a total of 2 hours*

## **Master of Music in Music Performance (Voice) (MPRF)**

### **Admission Requirements**

Admission to the Master of Music in Music Performance (Voice) program is granted to students who meet the requirements of both the Graduate School and the Department of Music and Dance. Application for admission to the Graduate School should be made to the Office of Admissions, where undergraduate transcripts are evaluated. Transcripts should be forwarded to the Office of Admissions at the time of application.

Application for admission to the Department of Music and Dance must be made to the Department of Music and Dance office. Admission requirements are as follows.

1. Undergraduate degree in music, or its equivalent
2. Interview with the appropriate applied music faculty
3. Two letters of recommendation
4. Vocal audition (including diction assessment)\*
5. Repertoire list

\* Voice majors are expected to be proficient in German, French and Italian diction. If an incoming student is not proficient, he/she will be admitted conditionally and must take MUSC 235 - Diction in Singing within the first two semesters of study and receive a B or better. MUSC 235 - Diction in Singing does not count toward degree requirements.

### **Music Theory Graduate Placement Exam**

Students must achieve an acceptable score (70% or higher) on the Music Theory Placement Exam prior to enrolling in MUSC 511, MUSC 512, MUSC 513, or MUSC 516. (The Music Theory Graduate Placement Exam may be taken only one time.) Students who fail to achieve an acceptable score must take MUSC 509 - Graduate Theory Review (2 hrs), and receive a B or better in the course, prior to enrolling in MUSC 511, MUSC 512, MUSC 513, or MUSC 516. Students placed into MUSC 509 are allowed to take the course only one time. Any student who does not earn a B or better in the course will not be allowed to continue in the graduate program. MUSC 509 does not count towards degree requirements.

### **Conditional Admission**

Students deficient in a requirement for degree admission may be granted conditional admission, subject to removal of the deficiency, while beginning graduate study. Hours earned in making up deficiencies are in addition to those normally required for the degree.

### **Graduate Advising**

Upon admission to the Department of Music and Dance, each student will meet with the graduate adviser for assistance in planning a curriculum.

### **Exit Requirements**

In addition to Graduate School requirements, Department of Music and Dance requirements are as follows:

1. Comprehensive Review in Performance  
All graduate students must pass an examination covering their major field of study. The examination may be written

and/or oral in format, as determined by the student's faculty committee. Written examinations will consist of three to five essay questions and must be completed in three hours or less. Oral examinations will last approximately one hour.

The examination will occur when the student's prescribed course work is substantially completed, in the anticipated semester of graduation. In addition, the student must complete the thesis, recital, or other culminating experience prior to taking the examination. Exceptions to this policy may occur only with the approval of the student's faculty committee and the department head. The examination will be graded Pass/Fail and can be taken no more than three times.

The examination will be evaluated by a committee consisting of the student's faculty adviser, an additional faculty member from the major field, and a faculty member from outside the major field (or in the case of performance majors, from outside their performance specialty - brass, keyboard, percussion, string, vocal, or woodwind). The specific makeup of the faculty committee will be determined by the student in consultation with the faculty adviser, and must be approved by the department head. If a student is unable to form a faculty committee, it will be formed by the department head in consultation with the student's faculty adviser.

2. Graduate Recital. Requirements are as follows:

- a. Student must be registered for applied music during the semester in which the recital is given.
- b. Student will perform a recital hearing for a faculty committee at least three weeks prior to the performance. In addition to the student's major applied teacher, at least one other faculty member from the committee must attend the recital.
- c. Student will provide a thoroughly researched and appropriately referenced recital paper.
- d. Student will provide a recording of the recital to the Music Office.

## Course Requirements:

The M.M. in Music Performance (Voice) requires the completion of 30 hours of course work to be distributed among supportive studies, major field and electives as follows:

### Supportive Studies in Music: 10 hours

- \* MUSC 500 - Introduction to Graduate Studies 2 hrs

### Four hours from the following:

- \*\* MUSC 511 - Survey of Harmonic Techniques 2 hrs
- \*\* MUSC 512 - Counterpoint 2 hrs
- \*\* MUSC 513 - Form and Analysis 2 hrs

### Four hours from the following:

- MUSC 632 - Baroque Music 2 hrs
- MUSC 633 - Music in the Classical Era 2 hrs
- MUSC 634 - Music in the Romantic Era 2 hrs
- MUSC 635 - Music Since 1900 2 hrs



- MUSC 694 - Seminar 2 hrs

## Courses in Major Field: 16 hours

- \* AVOC (Applied Music) at 652-level or above; students must complete AVOC 664 (8 hours)
- Ensemble (1 hr)
- MUSC 660 - Pedagogy of Music Performance 1 hr
- MUSC 561 - Studies in Literature 2 hrs
- \*\*\* MUSC 662 - Vocal Pedagogy 2 hrs
- MUSC 687 - Graduate Recital 2 hrs

## Elective Courses: 4 hours

*Music or nonmusic courses selected in consultation with the graduate adviser.*

## Program Total: 30 hours

### Note:

*\* Students must earn a grade of a B or higher in all Supportive Studies and Major Field courses. If a student earns a grade lower than a B in any course, he/she must retake the course and receive a B or higher, before the credits for that course can be counted toward their degree.*

*\*\* Students must achieve an acceptable score on the Music Theory Graduate Placement Exam prior to enrolling in MUSC 511, MUSC 512, MUSC 513 or MUSC 516. Students who fail to achieve an acceptable score must take MUSC 509 and receive a B or better prior to enrolling in any of these courses.*

*\*\*\* MUSC 662 must be taken concurrently with MUSC 660*

## **Master of Music in Music Performance (Wind, String, or Percussion Instrument) (MPRF)**

### **Admission Requirements**

Admission to the Master of Music in Music Performance (Wind, String, or Percussion Instrument) program is granted to students who meet the requirements of both the Graduate School and the Department of Music and Dance. Application for admission to the Graduate School should be made to the Office of Admissions, where undergraduate transcripts are evaluated. Transcripts should be forwarded to the Office of Admissions at the time of application.

Application for admission to the Department of Music and Dance must be made to the Department of Music and Dance office. Admission requirements are as follows:

1. Undergraduate degree in music, or its equivalent
2. Interview with the appropriate applied music faculty
3. Two letters of recommendation

4. Audition on major instrument
5. Repertoire list

### **Music Theory Graduate Placement Exam**

Students must achieve an acceptable score (70% or higher) on the Music Theory Placement Exam prior to enrolling in MUSC 511, MUSC 512, MUSC 513, or MUSC 516. (The Music Theory Graduate Placement Exam may be taken only one time.) Students who fail to achieve an acceptable score must take MUSC 509 - Graduate Theory Review (2 hrs), and receive a B or better in the course, prior to enrolling in MUSC 511, MUSC 512, MUSC 513, or MUSC 516. Students placed into MUSC 509 are allowed to take the course only one time. Any student who does not earn a B or better in the course will not be allowed to continue in the graduate program. MUSC 509 does not count towards degree requirements.

### **Conditional Admission**

Students deficient in a requirement for degree admission may be granted conditional admission, subject to removal of the deficiency, while beginning graduate study. Hours earned in making up deficiencies are in addition to those normally required for the degree.

### **Graduate Advising**

Upon admission to the Department of Music and Dance, each student will meet with the graduate adviser for assistance in planning a curriculum.

### **Exit Requirements**

In addition to Graduate School requirements, Department of Music and Dance requirements are as follows:

1. Comprehensive Review in Performance

All graduate students must pass an examination covering their major field of study. The examination may be written and/or oral in format, as determined by the student's faculty committee. Written examinations will consist of three to five essay questions and must be completed in three hours or less. Oral examinations will last approximately one hour.

The examination will occur when the student's prescribed course work is substantially completed, in the anticipated semester of graduation. In addition, the student must complete the thesis, recital, or other culminating experience prior to taking the examination. Exceptions to this policy may occur only with the approval of the student's faculty committee and the department head. The examination will be graded Pass/Fail and can be taken no more than three times.

The examination will be evaluated by a committee consisting of the student's faculty adviser, an additional faculty member from the major field, and a faculty member from outside the major field (or in the case of performance majors, from outside their performance specialty - brass, keyboard, percussion, string, vocal, or woodwind). The specific makeup of the faculty committee will be determined by the student in consultation with the faculty adviser, and must be approved by the department head. If a student is unable to form a faculty committee, it will be formed by the department head in consultation with the student's faculty adviser.

2. Graduate Recital. Requirements are as follows:

- a. Student must be registered for applied music during the semester in which the recital is given.
- b. Student will perform a recital hearing for a faculty committee at least three weeks prior to the performance. In addition to the student's major applied teacher, at least one other faculty member from the committee must attend the recital.
- c. Student will provide a thoroughly researched and appropriately referenced recital paper.
- d. Student will provide a recording of the recital to the Music Office.

## Course Requirements:

The M.M. in Music Performance (Wind, String, or Percussion Instrument) requires the completion of 30 hours of course work to be distributed among supportive studies, major field and electives as follows:

### Supportive Studies in Music: 10 hours

- \* MUSC 500 - Introduction to Graduate Studies 2 hrs

### Four hours from the following:

- \*\* MUSC 511 - Survey of Harmonic Techniques 2 hrs
- \*\* MUSC 512 - Counterpoint 2 hrs
- \*\* MUSC 513 - Form and Analysis 2 hrs

### Four hours from the following:

- MUSC 632 - Baroque Music 2 hrs
- MUSC 633 - Music in the Classical Era 2 hrs
- MUSC 634 - Music in the Romantic Era 2 hrs
- MUSC 635 - Music Since 1900 2 hrs
- MUSC 694 - Seminar 2 hrs

### Courses in Major Field: 16-17 hours

- \* Axxx, wind, string, or percussion instrument, at 652-level or above; students must complete Axxx 664 (8 hours)
- Ensemble (3 hrs)
- MUSC 660 - Pedagogy of Music Performance 1 hr
- \*\*\* MUSC 661 - Principal Instrument Pedagogy 1 hr
- MUSC 687 - Graduate Recital 2 hrs

### One course from the following (determined by applied music faculty):

- MUSC 559 - Studies in Literature 1 hr
- MUSC 561 - Studies in Literature 2 hrs

### Elective Courses: 3-4 hours

*Music or nonmusic courses selected in consultation with the graduate adviser.*

### Program Total: 30 hours

## Note:

*\* Students must earn a grade of a B or higher in all Supportive Studies and Major Field courses. If a student earns a grade lower than a B in any course, he/she must retake the course and receive a B or higher, before the credits for that course can be counted toward their degree.*

*\*\* Students must achieve an acceptable score on the Music Theory Graduate Placement Exam prior to enrolling in MUSC 511, MUSC 512, MUSC 513 or MUSC 516. Students who fail to achieve an acceptable score must take MUSC 509 and receive a B or better prior to enrolling in any of these courses.*

*\*\*\* MUSC 661 must be taken concurrently with MUSC 660*

## Master of Music in Piano Pedagogy (MUPP)

### Admission Requirements

#### Degree Admission

Admission to the Master of Music in Piano Pedagogy program is granted to students who meet the requirements of both the Graduate School and the Department of Music and Dance. Application for admission to the Graduate School should be made to the Office of Admissions, where undergraduate transcripts are evaluated. Transcripts should be forwarded to the Office of Admissions at the time of application.

Application for admission to the Department of Music and Dance must be made to the Department of Music and Dance office. Admission requirements are as follows:

1. Undergraduate degree in music, or its equivalent
2. Interview with the appropriate applied music faculty
3. Two letters of recommendation
4. Audition on piano
5. Repertoire list
6. Written statement of teaching philosophy

#### Music Theory Graduate Placement Exam

Students must achieve an acceptable score (70% or higher) on the Music Theory Placement Exam prior to enrolling in MUSC 511, MUSC 512, MUSC 513, or MUSC 516. (The Music Theory Graduate Placement Exam may be taken only one time.)

Students who fail to achieve an acceptable score must take MUSC 509 - Graduate Theory Review (2 hrs), and receive a B or better in the course, prior to enrolling in MUSC 511, MUSC 512, MUSC 513, or MUSC 516. Students placed into MUSC 509 are allowed to take the course only one time. Any student who does not earn a B or better in the course will not be allowed to continue in the graduate program. MUSC 509 does not count towards degree requirements.

#### Conditional Admission

Students deficient in a requirement for degree admission may be granted conditional admission, subject to removal of the deficiency, while beginning graduate study. Hours earned in making up deficiencies are in addition to those normally required for the degree.

#### Graduate Advising

Upon admission to the Department of Music and Dance, each student will meet with the graduate adviser for assistance in planning a curriculum.

## Exit Requirements

In addition to Graduate School requirements, Department of Music and Dance requirements are as follows:

1. **Comprehensive Review in Piano Pedagogy**

All graduate students must pass an examination covering their major field of study. The examination may be written and/or oral in format, as determined by the student's faculty committee. Written examinations will consist of three to five essay questions and must be completed in three hours or less. Oral examinations will last approximately one hour.

The examination will occur when the student's prescribed course work is substantially completed, in the anticipated semester of graduation. In addition, the student must complete the thesis, recital, or other culminating experience prior to taking the examination. Exceptions to this policy may occur only with the approval of the student's faculty committee and the department head. The examination will be graded Pass/Fail and can be taken no more than three times.

The examination will be evaluated by a committee consisting of the student's faculty adviser, an additional faculty member from the major field, and a faculty member from outside the major field. The specific makeup of the faculty committee will be determined by the student in consultation with the faculty adviser, and must be approved by the department head. If a student is unable to form a faculty committee, it will be formed by the department head in consultation with the student's faculty adviser.

2. **Final Project.** (Video recording and written documentation must be supplied to the office of the Department of Music and Dance.) Choose one:

- a. Lecture-Recital.
- b. Recital with separate lecture or presentation for piano teachers.
- c. A 30-minute fluent reading of piano music of at least upper-intermediate difficulty for the piano faculty and a substantial paper that adds to the body of knowledge in the discipline and may result in a presentation or publication.

3. Students must teach a minimum of two students each semester they are enrolled. Students who do not have their own studio will teach in the EMU Community Music Academy.

## Course Requirements:

The M.M. in Piano Pedagogy in collaborative keyboard requires the completion of 30 hours of course work to be distributed among supportive studies, major field and electives as follows:

## Supportive Studies in Music: 10 hours

- \* MUSC 500 - Introduction to Graduate Studies 2 hrs

## Four hours from the following:

- \*\* MUSC 511 - Survey of Harmonic Techniques 2 hrs
- \*\* MUSC 512 - Counterpoint 2 hrs
- \*\* MUSC 513 - Form and Analysis 2 hrs

## Four hours from the following:

- MUSC 632 - Baroque Music 2 hrs
- MUSC 633 - Music in the Classical Era 2 hrs
- MUSC 634 - Music in the Romantic Era 2 hrs
- MUSC 635 - Music Since 1900 2 hrs
- MUSC 694 - Seminar 2 hrs

## Courses in Major Field: 18 hours

- \* APED (Applied Music) at 652-level or above (8 hours)
- MUSC 561 - Studies in Literature 2 hrs
- MUSC 660 - Pedagogy of Music Performance 1 hr
- MUSC 661 - Principal Instrument Pedagogy 1 hr
- MUSC 665 - Elementary Piano Pedagogy 2 hrs
- MUSC 667 - Group Piano Pedagogy and Technology 2 hrs
- MUSC 692 - Final Project 2 hrs

## Elective Courses: 2 hours

*Music or nonmusic courses selected in consultation with the graduate adviser*

## Program Total: 30 hours

### Note:

*\* Students must earn a grade of a B or higher in all Supportive Studies and Major Field courses. If a student earns a grade lower than a B in any course, he/she must retake the course and receive a B or higher, before the credits for that course can be counted toward their degree.*

*\*\* Students must achieve an acceptable score on the Music Theory Graduate Placement Exam prior to enrolling in MUSC 511, MUSC 512, MUSC 513 or MUSC 516. Students who fail to achieve an acceptable score must take MUSC 509 and receive a B or better prior to enrolling in any of these courses.*

## Applied Music

### ACOL 551 - Applied Music

Applied music for students in the Master of Music in Performance - Collaborative Keyboard degree. Students will study keyboard repertoire, chamber music, and instrumental and vocal accompaniments through regular instruction in individual and group lesson settings.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Major Restrictions:** Master of Music degree students only

**Last Updated:** New Course 10/2011, effective Winter 2012

## **ACOL 552 - Applied Music**

Applied music for students in the Master of Music in Performance - Collaborative Keyboard degree. Students will study keyboard repertoire, chamber music, and instrumental and vocal accompaniments through regular instruction in individual and group lesson settings.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Major Restrictions:** Master of Music degree students only

**Last Updated:** New Course 10/2011, effective Winter 2012

## **ACOL 553 - Applied Music**

Applied music for students in the Master of Music in Performance - Collaborative Keyboard degree. Students will study keyboard repertoire, chamber music, and instrumental and vocal accompaniments through regular instruction in individual and group lesson settings.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Major Restrictions:** Master of Music degree students only

**Last Updated:** New Course 10/2011, effective Winter 2012

## **ACOL 554 - Applied Music**

Applied music for students in the Master of Music in Performance - Collaborative Keyboard degree. Students will study keyboard repertoire, chamber music, and instrumental and vocal accompaniments through regular instruction in individual and group lesson settings.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Major Restrictions:** Master of Music degree students only

**Last Updated:** New Course 10/2011, effective Winter 2012

## **ACOL 651 - Applied Music**

Applied music for students in the Master of Music in Performance - Collaborative Keyboard degree. Students will study keyboard repertoire, chamber music, and instrumental and vocal accompaniments through regular instruction in individual and group lesson settings.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Major Restrictions:** Master of Music degree students only

**Last Updated:** New Course 10/2011, effective Winter 2012

## **ACOL 652 - Applied Music**

Applied music for students in the Master of Music in Performance - Collaborative Keyboard degree. Students will study keyboard repertoire, chamber music, and instrumental and vocal accompaniments through regular instruction in individual and group lesson settings.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission  
**Major Restrictions:** Master of Music degree students only  
**Last Updated:** New Course 10/2011, effective Winter 2012

### **ACOL 653 - Applied Music**

Applied music for students in the Master of Music in Performance - Collaborative Keyboard degree. Students will study keyboard repertoire, chamber music, and instrumental and vocal accompaniments through regular instruction in individual and group lesson settings.

**Credit Hours:** 1 hr  
**Prerequisites:** department permission  
**Major Restrictions:** Master of Music degree students only  
**Last Updated:** New Course 10/2011, effective Winter 2012

### **ACOL 654 - Applied Music**

Applied music for students in the Master of Music in Performance - Collaborative Keyboard degree. Students will study keyboard repertoire, chamber music, and instrumental and vocal accompaniments through regular instruction in individual and group lesson settings.

**Credit Hours:** 2 hrs  
**Prerequisites:** department permission  
**Major Restrictions:** Master of Music degree students only  
**Last Updated:** New Course 10/2011, effective Winter 2012

### **ACOL 661 - Applied Music**

Applied music for students in the Master of Music in Performance - Collaborative Keyboard degree. Students will study keyboard repertoire, chamber music, and instrumental and vocal accompaniments through regular instruction in individual and group lesson settings.

**Credit Hours:** 1 hr  
**Prerequisites:** department permission  
**Major Restrictions:** Master of Music degree students only  
**Last Updated:** New Course 10/2011, effective Winter 2012

### **ACOL 662 - Applied Music**

Applied music for students in the Master of Music in Performance - Collaborative Keyboard degree. Students will study keyboard repertoire, chamber music, and instrumental and vocal accompaniments through regular instruction in individual and group lesson settings.

**Credit Hours:** 2 hrs  
**Prerequisites:** department permission  
**Major Restrictions:** Master of Music degree students only  
**Last Updated:** New Course 10/2011, effective Winter 2012

### **ACOL 663 - Applied Music**



Applied music for students in the Master of Music in Performance - Collaborative Keyboard degree. Students will study keyboard repertoire, chamber music, and instrumental and vocal accompaniments through regular instruction in individual and group lesson settings.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Major Restrictions:** Master of Music degree students only

**Last Updated:** New Course 10/2011, effective Winter 2012

### **ACOL 664 - Applied Music**

Applied music for students in the Master of Music in Performance - Collaborative Keyboard degree. Students will study keyboard repertoire, chamber music, and instrumental and vocal accompaniments through regular instruction in individual and group lesson settings.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Major Restrictions:** Master of Music degree students only

**Last Updated:** New Course 10/2011, effective Winter 2012

### **APED 551 - Applied Music**

Applied music for students in the Master of Music in Piano Pedagogy degree. Students will study piano repertoire, technique, and pedagogy through regular instruction in individual and group lesson settings.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Major Restrictions:** Master of Music degree students only

**Last Updated:** New Course 10/2011, effective Winter 2012

### **APED 552 - Applied Music**

Applied music for students in the Master of Music in Piano Pedagogy degree. Students will study piano repertoire, technique, and pedagogy through regular instruction in individual and group lesson settings.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Major Restrictions:** Master of Music degree students only

**Last Updated:** New Course 10/2011, effective Winter 2012

### **APED 553 - Applied Music**

Applied music for students in the Master of Music in Piano Pedagogy degree. Students will study piano repertoire, technique, and pedagogy through regular instruction in individual and group lesson settings.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Major Restrictions:** Master of Music degree students only

**Last Updated:** New Course 10/2011, effective Winter 2012

### **APED 554 - Applied Music**

Applied music for students in the Master of Music in Piano Pedagogy degree. Students will study piano repertoire, technique, and pedagogy through regular instruction in individual and group lesson settings.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Major Restrictions:** Master of Music degree students only

**Last Updated:** New Course 10/2011, effective Winter 2012

### **APED 651 - Applied Music**

Applied music for students in the Master of Music in Piano Pedagogy degree. Students will study piano repertoire, technique, and pedagogy through regular instruction in individual and group lesson settings.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Major Restrictions:** Master of Music degree students only

**Last Updated:** New Course 10/2011, effective Winter 2012

### **APED 652 - Applied Music**

Applied music for students in the Master of Music in Piano Pedagogy degree. Students will study piano repertoire, technique, and pedagogy through regular instruction in individual and group lesson settings.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Major Restrictions:** Master of Music degree students only

**Last Updated:** New Course 10/2011, effective Winter 2012

### **APED 653 - Applied Music**

Applied music for students in the Master of Music in Piano Pedagogy degree. Students will study piano repertoire, technique, and pedagogy through regular instruction in individual and group lesson settings.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Major Restrictions:** Master of Music degree students only

**Last Updated:** New Course 10/2011, effective Winter 2012

### **APED 654 - Applied Music**

Applied music for students in the Master of Music in Piano Pedagogy degree. Students will study piano repertoire, technique, and pedagogy through regular instruction in individual and group lesson settings.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Major Restrictions:** Master of Music degree students only

**Last Updated:** New Course 10/2011, effective Winter 2012

### **APED 661 - Applied Music**

Applied music for students in the Master of Music in Piano Pedagogy degree. Students will study piano repertoire, technique, and pedagogy through regular instruction in individual and group lesson settings.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Major Restrictions:** Master of Music degree students only

**Last Updated:** New Course 10/2011, effective Winter 2012

### **APED 662 - Applied Music**

Applied music for students in the Master of Music in Piano Pedagogy degree. Students will study piano repertoire, technique, and pedagogy through regular instruction in individual and group lesson settings.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Major Restrictions:** Master of Music degree students only

**Last Updated:** New Course 10/2011, effective Winter 2012

### **APED 663 - Applied Music**

Applied music for students in the Master of Music in Piano Pedagogy degree. Students will study piano repertoire, technique, and pedagogy through regular instruction in individual and group lesson settings.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Major Restrictions:** Master of Music degree students only

**Last Updated:** New Course 10/2011, effective Winter 2012

### **APED 664 - Applied Music**

Applied music for students in the Master of Music in Piano Pedagogy degree. Students will study piano repertoire, technique, and pedagogy through regular instruction in individual and group lesson settings.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Major Restrictions:** Master of Music degree students only

**Last Updated:** New Course 10/2011, effective Winter 2012

### **Axxx 551 - Applied Music**

Individualized instrumental or vocal instruction for music graduate students.

**Credit Hours:** 1 hr

**Prerequisites:** audition

**Repeatable:** May be repeated for credit.

### **Axxx 552 - Applied Music**

Individualized instrumental or vocal instruction for music graduate students. Students enrolled in Applied Music are required to participate in a weekly one-hour studio class.

**Credit Hours:** 2 hr  
**Prerequisites:** audition  
**Repeatable:** May be repeated for credit.

### **Axxx 553 - Applied Music**

Individualized instrumental or vocal instruction for music graduate students.

**Credit Hours:** 1 hr  
**Prerequisites:** audition  
**Repeatable:** May be repeated for credit.

### **Axxx 554 - Applied Music**

Individualized instrumental or vocal instruction for music graduate students. Students enrolled in Applied Music are required to participate in a weekly one-hour studio class.

**Credit Hours:** 2 hr  
**Prerequisites:** audition  
**Repeatable:** May be repeated for credit.

### **Axxx 651 - Applied Music**

Individualized instrumental or vocal instruction for music graduate students.

**Credit Hours:** 1 hr  
**Prerequisites:** audition  
**Repeatable:** May be repeated for credit.

### **Axxx 652 - Applied Music**

Individualized instrumental or vocal instruction for music graduate students. Students enrolled in Applied Music are required to participate in a weekly one-hour studio class.

**Credit Hours:** 2 hr  
**Prerequisites:** audition  
**Repeatable:** May be repeated for credit.

### **Axxx 653 - Applied Music**

Individualized instrumental or vocal instruction for music graduate students.

**Credit Hours:** 1 hr  
**Prerequisites:** audition  
**Repeatable:** May be repeated for credit.

### **Axxx 654 - Applied Music**

Individualized instrumental or vocal instruction for music graduate students. Students enrolled in Applied Music are required to participate in a weekly one-hour studio class.

**Credit Hours:** 2 hr  
**Prerequisites:** audition  
**Repeatable:** May be repeated for credit.

### **Axxx 661 - Applied Music**

Individualized instrumental or vocal instruction for music graduate students.

**Credit Hours:** 1 hr  
**Prerequisites:** audition  
**Repeatable:** May be repeated for credit.

### **Axxx 662 - Applied Music**

Individualized instrumental or vocal instruction for music graduate students. Students enrolled in Applied Music are required to participate in a weekly one-hour studio class.

**Credit Hours:** 2 hr  
**Prerequisites:** audition  
**Repeatable:** May be repeated for credit.

### **Axxx 663 - Applied Music**

Individualized instrumental or vocal instruction for music graduate students.

**Credit Hours:** 1 hr  
**Prerequisites:** audition  
**Repeatable:** May be repeated for credit.

### **Axxx 664 - Applied Music**

Individualized instrumental or vocal instruction for music graduate students. Students enrolled in Applied Music are required to participate in a weekly one-hour studio class.

**Credit Hours:** 2 hr  
**Prerequisites:** audition  
**Repeatable:** May be repeated for credit.

## **Music**

### **MUSC 500 - Introduction to Graduate Studies**

An introductory course in scholarly research and writing that includes library orientation for the music researcher, basic types of music research, evaluation of basic source materials for music research, style for writing and documentation of scholarly research and organization of a bibliography.

**Credit Hours:** 2 hrs  
**Class Restrictions:** Graduate students only  
**Last Updated:** 03/2011

## **MUSC 504 - America's Music**

A study of diversified styles of music made and continuously used by the people of the United States in terms of our historical cultural traditions.

**Credit Hours:** 2 hrs

**Concurrent Prerequisites:** MUSC 500

**Last Updated:** Links 05/2011

## **MUSC 505 - World Music**

A study of the history, style and social basis of music from various cultures around the world. This course includes comparisons between art music and popular music in Western and non-Western traditions.

**Credit Hours:** 2 hrs

**Concurrent Prerequisites:** MUSC 500

**Last Updated:** Links 05/2011

## **MUSC 509 - Graduate Theory Review**

Music theory review with an emphasis on the perception, writing and analysis of basic musical materials from all stylistic periods. Hours do not count towards degree requirements. Can be taken only one time.

**Credit Hours:** 2 hrs

**Prerequisites:** Music Theory Placement Exam

**Last Updated:** Course Description Change 02/2012, effective Fall 2012

## **MUSC 511 - Survey of Harmonic Techniques**

A study of compositional and harmonic techniques and practices of major composers of the 18th, 19th 20th and 21st centuries.

**Credit Hours:** 2 hrs

**Prerequisites:** Students must achieve an acceptable score on the Music Theory Graduate Placement Exam prior to enrolling in MUSC 511. Students who fail to achieve an acceptable score must take MUSC 509, and receive a "B" or better in the course, prior to enrolling in MUSC 511.

**Last Updated:** Links 05/2011

## **MUSC 512 - Counterpoint**

This course presents principles and practices of modal and tonal counterpoint, with an introduction to twentieth-century counterpoint. The analysis of representative works and contrapuntal writing in two and three parts.

**Credit Hours:** 2 hrs

**Prerequisites:** Students must achieve an acceptable score on the Music Theory Graduate Placement Exam prior to enrolling in MUSC 512. Students who fail to achieve an acceptable score must take MUSC 509, and receive a "B" or better in the course, prior to enrolling in MUSC 512.

**Last Updated:** Links 05/2011

## **MUSC 513 - Form and Analysis**

A study of structural principles and techniques through analysis of representative works of the 18th, 19th, 20th and 21st centuries.

**Credit Hours:** 2 hrs

**Prerequisites:** Students must achieve an acceptable score on the Music Theory Graduate Placement Exam prior to enrolling in MUSC 513. Students who fail to achieve an acceptable score must take MUSC 509, and receive a "B" or better in the course, prior to enrolling in MUSC 513.

**Last Updated:** Links 06/2011

## **MUSC 515 - Common Practice Improvisation**

A performance-based class in which students invent music based on 18th-century harmonic practices. Studies include thoroughbass, voice leading, figuration and cadences.

**Credit Hours:** 2 hrs

**Prerequisites:** Students must achieve an acceptable score on the Music Theory Graduate Placement Exam prior to enrolling in MUSC 515. Students who fail to achieve an acceptable score must take MUSC 509, and receive a B or better in the course, prior to enrolling in MUSC 515.

**Last Updated:** Prerequisite Change 11/2011, effective Fall 2011

## **MUSC 516 - Schenkerian Analysis**

An intensive study of the analytical methods and theories of Heinrich Schenker. Students will acquire skill in interpreting and creating "Schenkerian" analyses.

**Credit Hours:** 2 hrs

**Prerequisites:** Students must achieve an acceptable score on the Music Theory Graduate Placement Exam prior to enrolling in MUSC 516. Students who fail to achieve an acceptable score must take MUSC 509, and receive a "B" or better in the course, prior to enrolling in MUSC 516.

**Last Updated:** Links 05/2011

## **MUSC 517 - Introduction to Music Composition**

An introduction to the creative process in music through analysis of traditional and new music; original composition in small forms, illustrating various techniques an media.

**Credit Hours:** 2 hrs

**Repeatable:** May be repeated for credit.

**Last Updated:** Fall 2010; effective Winter 2011

## **MUSC 518 - Music Composition I**

Students will examine the creative process through analysis and create original composition in small forms, illustrating various techniques. After the instructor has approved these compositions for public performance, faculty will assist student composers by encouraging qualified students to perform these compositions. The composer will pay for performer and recording costs.

**Credit Hours:** 3 hrs

**Repeatable:** May be repeated for credit.

**Last Updated:** Course Description Change 02/2012, effective Fall 2012

## **MUSC 546 - Collegium Musicum**

A performance oriented course made up of various ensembles of soloists—instrumental, vocal and mixed—with a focus on historically informed performance.

**Credit Hours:** 1 hr

**Repeatable:** May be repeated for credit.

### **MUSC 550 - Ensemble**

Participation in any regular departmental ensemble. Open to qualified students upon satisfactory audition.

**Credit Hours:** 1 hr

**Repeatable:** May be repeated for credit.

### **MUSC 551 - Vocal and Instrumental Collaboration**

This course provides keyboard students with experience in collaborating with singers and instrumentalists, through the acquisition of basic skills and repertoire.

**Credit Hours:** 2 hrs

**Repeatable:** May be repeated for credit.

### **MUSC 554 - Chamber Music**

Study in rehearsing and performing in nonconducted chamber ensembles, e.g. trios, quartets, quintet, etc., coached weekly by an instructor. The difficulty of music studied must be appropriate for the graduate level.

**Credit Hours:** 1 hr

**Repeatable:** May be repeated for credit.

**Course Revisions:** This course may now be repeated for credit, effective Fall 2012.

**Last Updated:** Change in Repeatable for Credit Option 10/2012, effective immediately

### **MUSC 559 - Studies in Literature**

Topics to be selected from the following: instrumental repertoire (for a specific principal instrument), chamber ensemble repertoire, or similar topics. Topics to be offered will be announced in the schedule of classes.

**Credit Hours:** 1 hr

**Concurrent Prerequisites:** MUSC 500

**Repeatable:** May be repeated for credit with permission of adviser.

**Last Updated:** 11/2006; effective Spring 2007

### **MUSC 561 - Studies in Literature**

Topics to be selected from the following: instrumental repertoire (for a specific principal instrument), vocal repertoire (including solo song and opera), chamber ensemble repertoire, or similar topics. Topics to be offered will be announced in the schedule of classes. *May be repeated for credit with permission of adviser.*

**Credit Hours:** 2 hrs

**Concurrent Prerequisites:** MUSC 500



**Repeatable:** May be repeated for credit with permission of adviser.

**Last Updated:** Course Revision 10/2011, effective Winter 2012; 11/2006, effective Spring 2007

### **MUSC 565 - Ensemble Pedagogy and Literature**

Study of music pedagogy and literature appropriate to secondary school instruction. Topics to be selected from the following: band, choir, or orchestra. Topics to be offered will be announced in the schedule of classes.

**Credit Hours:** 2 hrs

**Repeatable:** May be repeated for credit with permission of adviser.

### **MUSC 572 - Psychology of Music Teaching and Learning**

An examination of psychological principles and theories applied to the teaching of and responses to music (classroom and studio).

**Credit Hours:** 2 hrs

### **MUSC 576 - Score Study and Rehearsal Strategies for Music Educators**

An in-depth analysis of representative band, orchestral and choral scores for the purpose of teaching and rehearsing.

**Credit Hours:** 2 hrs

**Last Updated:** Fall 2010; effective Winter 2011

### **MUSC 590 - Special Topics**

An intensive study of subject matter not provided in other departmental offerings. Topic must be approved by the graduate adviser.

**Credit Hours:** 1 hr

**Prerequisites:** Department permission.

**Repeatable:** May be repeated for credit.

**Last Updated:** Fall 2010; effective Winter 2011

### **MUSC 591 - Special Topics**

An intensive study of subject matter not provided in other departmental offerings. Topic must be approved by the graduate adviser.

**Credit Hours:** 2 hrs

**Prerequisites:** Department permission.

**Repeatable:** May be repeated for credit.

**Last Updated:** Fall 2010; effective Winter 2011

### **MUSC 592 - Special Topics**

An intensive study of subject matter not provided in other departmental offerings. Topic must be approved by the graduate adviser.

**Credit Hours:** 3 hrs

**Prerequisites:** Department permission.  
**Repeatable:** May be repeated for credit.  
**Last Updated:** Fall 2010; effective Winter 2011

### **MUSC 595 - Workshop in Music**

Topic to be announced in the schedule of classes. The content will change from semester to semester.

**Credit Hours:** 2 hrs  
**Repeatable:** May be repeated for credit.  
**Last Updated:** Fall 2010; effective Winter 2011

### **MUSC 597 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a Department faculty member.

**Credit Hours:** 1 hr  
**Prerequisites:** Department permission.  
**Repeatable:** May be repeated for credit.  
**Last Updated:** Fall 2010; effective Winter 2011

### **MUSC 598 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a Department faculty member.

**Credit Hours:** 2 hrs  
**Prerequisites:** Department permission  
**Repeatable:** May be repeated for credit.  
**Last Updated:** Fall 2010; effective Winter 2011

### **MUSC 599 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a Department faculty member.

**Credit Hours:** 3 hrs  
**Prerequisites:** Department permission  
**Repeatable:** May be repeated for credit.  
**Last Updated:** Fall 2010; effective Winter 2011

### **MUSC 617 - Music Composition II**

Original composition based upon techniques of the 20th and 21st centuries; composition of works of moderate length. After the composition instructor has approved these compositions for public performance, faculty will assist student composers by encouraging qualified students to perform these compositions. The composer will pay for performer and recording costs.

**Credit Hours:** 3 hrs  
**Prerequisites:** MUSC 518 or equivalent  
**Repeatable:** May be repeated for credit.  
**Last Updated:** Course Description Change 02/2012, effective Fall 2012; Links 05/2011

### **MUSC 618 - Music Composition III**

Original composition in larger forms, with the intent of performance. After the composition instructor has approved these compositions for public performance, department faculty will assist student composers by identifying and encouraging qualified students to perform these compositions. The composer will pay for performer and recording costs.

**Credit Hours:** 3 hrs

**Prerequisites:** MUSC 617

**Repeatable:** May be repeated for credit.

**Last Updated:** Course Description Change 02/2012, effective Fall 2012

### **MUSC 631 - Renaissance Music**

A study of selected works representing the forms, styles and idioms of the 15th and 16th centuries.

**Credit Hours:** 2 hrs

**Concurrent Prerequisites:** MUSC 500

**Last Updated:** 11/2006; effective Spring 2007

### **MUSC 632 - Baroque Music**

A study of selected works representing some of the styles and idioms of the 17th century, and of the early and mid-18th century (Bach, Handel).

**Credit Hours:** 2 hrs

**Concurrent Prerequisites:** MUSC 500

**Last Updated:** 11/2006; effective Spring 2007

### **MUSC 633 - Music in the Classical Era**

The development of musical style and form in the Classical era, principally in the works of Haydn, Mozart and Beethoven.

**Credit Hours:** 2 hrs

**Concurrent Prerequisites:** MUSC 500

**Last Updated:** 11/2006; effective Spring 2007

### **MUSC 634 - Music in the Romantic Era**

A study of the development of musical style and form in the Romantic era. Intensive study of selected compositions.

**Credit Hours:** 2 hrs

**Concurrent Prerequisites:** MUSC 500

**Last Updated:** 11/2006; effective Spring 2007

### **MUSC 635 - Music Since 1900**

A study of major works, composers and aesthetic systems since 1900. Selected works to be announced each time the course is offered.

**Credit Hours:** 2 hrs

**Concurrent Prerequisites:** MUSC 500

**Last Updated:** 11/2006; effective Spring 2007

## **MUSC 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** Department permission

**Last Updated:** Fall 2010; effective Winter 2011

## **MUSC 642 - Historical and Philosophical Foundations of Music Education**

The study of the development of music education in the United States and the influence of philosophy upon development.

**Credit Hours:** 2 hrs

## **MUSC 646 - Music Curriculum and Assessment**

An in-depth study of all aspects of the K-12 music curriculum, including national and state standards, assessment issues, and administrative concerns such as staffing, scheduling, facilities and equipment.

**Credit Hours:** 2 hrs

## **MUSC 660 - Pedagogy of Music Performance**

An introduction to methodologies for teaching musicianship and performance skills. The course will also present practical advice for establishing, organizing and operating a music-teaching studio.

**Credit Hours:** 1 hr

**Corequisites:** MUSC 661 (instrumentalists) or MUSC 662 (vocalists)

**Last Updated:** 11/2006; effective Spring 2007

## **MUSC 661 - Principal Instrument Pedagogy**

A study of pedagogical approaches to a specific principal instrument; it includes a survey of appropriate techniques, practices and materials.

**Credit Hours:** 1 hr

**Corequisites:** MUSC 660

**Last Updated:** 11/2006; effective Spring 2007

## **MUSC 662 - Vocal Pedagogy**

Explores the science and art of training the vocal mechanism through the study of specific problems and their solution.

**Credit Hours:** 2 hrs

**Corequisites:** MUSC 660

**Last Updated:** 11/2006; effective Spring 2007

## **MUSC 665 - Elementary Piano Pedagogy**

In this course students will become familiar with childhood musical development and music learning theory; observe, develop and practice methodologies for teaching piano to young children; and prepare to answer the questions on the comprehensive exam in piano pedagogy that relate to childhood and beginning piano.

**Credit Hours:** 2 hrs

### **MUSC 667 - Group Piano Pedagogy and Technology**

In this course, students will develop group piano teaching techniques through the observation and practice teaching of adult students; knowledge of texts and materials for use in college class piano curriculums; and competency in using piano lab equipment including sequencers, MIDI disks and computer programs.

**Credit Hours:** 2 hrs

### **MUSC 678 - Advanced Conducting for Music Educators**

An in-depth study of interpretative factors and subtle baton techniques, and conducting styles for the advanced conductor.

**Credit Hours:** 2 hrs

### **MUSC 679 - Special Topics**

An intensive study, at an advanced level, of subject matter not provided in other departmental offerings. Topics must be approved by the graduate adviser.

**Credit Hours:** 1 hr

**Repeatable:** May be repeated for credit.

### **MUSC 680 - Special Topics**

An intensive study, at an advanced level, of subject matter not provided in other departmental offerings. Topics must be approved by the graduate adviser.

**Credit Hours:** 2 hrs

**Repeatable:** May be repeated for credit.

### **MUSC 681 - Special Topics**

An intensive study, at an advanced level, of subject matter not provided in other departmental offerings. Topics must be approved by the graduate adviser.

**Credit Hours:** 3 hrs

**Repeatable:** May be repeated for credit.

### **MUSC 687 - Graduate Recital**

Required in partial fulfillment of the Master of Music in Performance degree

**Credit Hours:** 2 hrs

**Prerequisites:** Department permission

**Concurrent Prerequisites:** Applied Music

**Last Updated:** Concurrent Prerequisite Change 11/2011, effective Fall 2011; 11/2006, effective Spring 2007

## **MUSC 688 - Ensemble Conducting Recital**

A culminating one hour ensemble performance which synthesizes and reinforces the student's knowledge of the literature presented in concert. Students will demonstrate the conducting and rehearsal techniques required during the preparation stages and performance process.

**Credit Hours:** 2 hrs

**Last Updated:** Fall 2010; effective Winter 2011

## **MUSC 692 - Final Project**

A creative, analytical or pragmatic project of a substantial and original nature, designed to reflect the student's individual interests and to serve as a culminating experience in the Master of Music in Piano Pedagogy degree.

**Credit Hours:** 2 hrs

**Prerequisites:** MUSC 500 and department permission

**Last Updated:** Links 05/2011

## **MUSC 693 - Thesis**

A substantial and original undertaking in composition for large ensemble, designed to reflect, focus, and deepen the student's individual interests and to provide a culminating experience in the Master of Music in Composition degree.

**Credit Hours:** 3 hrs

**Prerequisites:** MUSC 618 and department permission

**Major Restrictions:** Master of Music in Composition students only

**Previously Listed as:** MUSC 691

**Last Updated:** Course Revision 10/2011, effective Winter 2012; Links 05/2011

## **MUSC 694 - Seminar**

Topics may include music pedagogy, performance, or research. May also serve as summary review for fulfillment of the Comprehensive Review requirement. To view the current course topics, please click [here](#).

**Credit Hours:** 2 hrs

**Concurrent Prerequisites:** MUSC 500

**Last Updated:** Concurrent Prerequisite Change 11/2011, effective Fall 2011; Links 05/2011

## **MUSC 697 - Independent Study**

An intensive and advanced study of a problem or group of problems, under the direction of a Department faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** Department permission

**Repeatable:** May be repeated for credit.

**Last Updated:** Fall 2010; effective Winter 2011

## **MUSC 698 - Independent Study**

An intensive and advanced study of a problem or group of problems, under the direction of a Department faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** Department permission

**Repeatable:** May be repeated for credit.

**Last Updated:** Fall 2010; effective Winter 2011

### **MUSC 699 - Independent Study**

An intensive and advanced study of a problem or group of problems, under the direction of a Department faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** Department permission

**Repeatable:** May be repeated for credit.

**Last Updated:** Fall 2010; effective Winter 2011

# Physics and Astronomy Programs and Courses

## Physics and Astronomy

### Master's

#### Master of Science in Physical Science

Adviser: Bonnie Wylo, Ph.D.

321 Strong Hall

734.487.8642

bwylo@emich.edu

Adviser: Beth Kubitskey, Ph.D.

333 Strong Hall

734.487.8646

mkubitske1@emich.edu

#### Admission Requirements

Prior secondary science teaching certification or department permission is required as well as an undergraduate major or minor in a physical science (physics, earth science, chemistry, physical science, or integrated science) with basic coursework in physics, earth science, chemistry, and astronomy (totaling at least 30 undergraduate hours). Mathematics preparation through college algebra and trigonometry is mandatory. Students who do not meet these requirements may be granted conditional admission requiring the completion of additional undergraduate course work in science and/or mathematics. Admission is restricted to those who are either teaching or planning to teach.

#### Required Courses: 27 hours

- PHY 511 - Mechanics, Sound and Heat for Teachers 3 hrs
- PHY 512 - Light, Electricity, and Magnetism for Teachers 3 hrs
- PHY 514 - Instrumentation for Teachers 3 hrs
- \* PHY 520 - Teaching of Physical Science 3 hrs
- PHY 540 - The History of Physics and Astronomy 2 hrs
- PSCI 622 - New Approaches to Middle School Science I 3 hrs
- PSCI 623 - New Approaches to Middle School Science II 3 hrs
- PHY 650 - New Approaches to Teaching Physics I 3 hrs
- PSCI 515 - Modern Physics for Teachers I 2 hrs
- PSCI 516 - Modern Physics for Teachers II 2 hrs

#### Elective Courses: 5-8 hours

*Consult program adviser for other possible electives.*

- \*\* ASTR 503 - Astronomy I 2 hrs
- \*\* ASTR 504 - Astronomy II 2 hrs
- \*\*\* EDPS 677 - Methods in Quantitative Research 3 hrs



- ESSC 520 - GIS Introduction for Educators 3 hrs  
**OR**
- GEOG 520 - GIS Introduction for Educators 3 hrs
- PHY 690 - Thesis/Final Project 1 hr
- PHY 691 - Thesis/Final Project 2 hrs
- PHY 692 - Thesis/Final Project 3 hrs

**Program Total: 32-35 hours**

## Note:

\* This course may be waived with teaching experience.

\*\* These courses may be waived if ASTR 205 was taken in the past 10 years.

\*\*\* Only applicable if student elects the 3-6 hour thesis.

## Master of Science in Physics (PHY)

Adviser: Marshall Thomsen, Ph.D.  
302B Strong Hall  
734.487.8794  
jthomsen@emich.edu

Adviser: Natthi Sharma, Ph.D.  
303 Strong Hall  
734.487.4144  
nsharma@emich.edu

Adviser: Wade Shen, Ph.D.  
303 Strong Hall  
734.487.4144  
wshen@emich.edu

### Admission Requirements

Applicants should have the equivalent of an undergraduate major in physics with a strong background in mathematics including multivariable calculus and differential equations. Students who do not meet these requirements may be granted conditional admission requiring additional undergraduate course work in physics and/or mathematics.

### Program Requirements

The M.S. in Physics prepares students in traditional physics research. Graduates are well-prepared for doctoral study or for junior college or community college teaching.

Graduation requirements include 30 hours of approved graduate credit, satisfactory performance on a comprehensive written/oral examination and the completion of a research problem culminating in a written thesis or report.

## Course Requirements:

The M.S. in Physics requires the completion of 30 hours of course work to be distributed among required courses, elective courses and cognate courses as follows:

## Required Courses: 28-30 hours

- \* PHY 481 - Mathematical Physics 3 hrs
- PHY 510 - Proposal Writing in Physics 1 hr
- PHY 530 - Topics in Computational and Advanced Physics I 4 hrs
- PHY 531 - Topics in Computational and Advanced Physics II 2 hrs
- PHY 541 - Modern Optics 4 hrs
- PHY 662 - Advanced Mechanics I 3 hrs
- PHY 671 - Electromagnetic Theory 4 hrs
- PHY 675 - Quantum Mechanics 4 hrs

## Three to six hours from the following:

- PHY 690 - Thesis/Final Project 1 hr
- PHY 691 - Thesis/Final Project 2 hrs
- PHY 692 - Thesis/Final Project 3 hrs

## Elective Courses in Physics: 0-5 hours

*Zero to five hours will be filled through electives within the department, selected with the approval of a department advisor. Up to five hours only if PHY 481 is waived.*

## Program Total: 30 hours

### Note:

*\* PHY 481 requirement may be waived in exceptional cases upon department approval.*

## Undergraduate Courses for Graduate Credit: Physics and Astronomy

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- PHY 406 - Ethical Issues in Physics 1 hr
- PHY 420 - Capstone Project 3 hrs
- PHY 431 - Intermediate Mechanics II 3 hrs
- PHY 436 - Vibration and Sound 4 hrs
- PHY 442 - Optics and Optics Laboratory 4 hrs
- PHY 444 - Applied Optics 2 hrs
- PHY 450 - Electricity and Magnetism II 3 hrs
- PHY 452 - Electrical Measurements 4 hrs
- PHY 456 - Electronics 4 hrs
- PHY 458 - Electronic Devices for Scientists 4 hrs

- PHY 462 - Kinetic Theory and Statistical Mechanics 3 hrs
- PHY 471 - Atomic and Nuclear Physics 3 hrs
- PHY 475 - Introduction to Quantum Mechanics 3 hrs
- PHY 481 - Mathematical Physics 3 hrs
- PHY 485 - Fluid Dynamics 3 hrs
- PHY 495 - Readings in Physics (Honors Course) 1 hr

## Master of Science in Physics Education (PHYE)

Adviser: Beth Kubitskey, Ph.D.  
 333 Strong Hall  
 734.487.8646  
 mkubitske1@emich.edu

Adviser: Ernie Behringer, Ph.D.  
 303 Strong Hall  
 734.487.4144  
 ebehringe@emich.edu

### Admission Requirements

Applicants must have at least the equivalent of an undergraduate minor in physics with a background in mathematics through multivariable calculus. Students who do not meet these requirements may be granted conditional admission requiring additional undergraduate course work in physics and/or mathematics. Admission is restricted to in-service teachers and those intending to enter the teaching profession.

### Program Requirements

Graduation requirements include completion of 30 hours of approved graduate credit, satisfactory performance on a comprehensive oral examination and the completion of an essay in physics, the history of physics or the teaching of physics.

## Course Requirements:

The M.S. in Physics Education requires the completion of 30 hours of course work to be distributed among required courses, elective courses and cognate courses as follows:

### Required Courses: 5 hours

- \* PHY 650 - New Approaches to Teaching Physics I 3 hrs
- \* PHY 651 - New Approaches to Teaching Physics II 2 hrs

### Elective Courses in Physics: 20-26 hours

*Twenty to 26 hours selected in consultation with the graduate adviser.*

### Cognate Courses: 0-6 hours

*Zero to six hours selected in consultation with the graduate adviser.*

### Program Total: 30 hours

## Note:

*\* PHY 650/651 requirement may be waived in exceptional cases upon department approval.*

## Undergraduate Courses for Graduate Credit: Physics and Astronomy

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- PHY 406 - Ethical Issues in Physics 1 hr
- PHY 420 - Capstone Project 3 hrs
- PHY 431 - Intermediate Mechanics II 3 hrs
- PHY 436 - Vibration and Sound 4 hrs
- PHY 442 - Optics and Optics Laboratory 4 hrs
- PHY 444 - Applied Optics 2 hrs
- PHY 450 - Electricity and Magnetism II 3 hrs
- PHY 452 - Electrical Measurements 4 hrs
- PHY 456 - Electronics 4 hrs
- PHY 458 - Electronic Devices for Scientists 4 hrs
- PHY 462 - Kinetic Theory and Statistical Mechanics 3 hrs
- PHY 471 - Atomic and Nuclear Physics 3 hrs
- PHY 475 - Introduction to Quantum Mechanics 3 hrs
- PHY 481 - Mathematical Physics 3 hrs
- PHY 485 - Fluid Dynamics 3 hrs
- PHY 495 - Readings in Physics (Honors Course) 1 hr

## Astronomy

### ASTR 503 - Astronomy I

A nonmathematical descriptive course in astronomy to acquaint the teacher with the general field of astronomy. Many of the topics considered can be used in the elementary classroom. A study of the sun and its family of planets, as well as the stars and nebulae in the universe beyond the solar system. Naked-eye observations of the constellations and telescopic observations of the moon, planets, double stars and clusters. Not open to students who have credit in ASTR 203 or ASTR 205.

**Credit Hours:** 2 hrs

**Last Updated:** Links 06/2011

### ASTR 504 - Astronomy II

A nonmathematical descriptive course in astronomy to increase the teacher's acquaintance with the general field of astronomy and the work of the astronomer. Many of the topics covered can be used in the elementary and junior high school classroom; the stellar system; a review of the solar system; and the motions of the Earth. Naked-eye and telescopic observations constitute the laboratory phase of the course.

**Credit Hours:** 2 hrs

**Prerequisites:** ASTR 503 or ASTR 203 and ASTR 205, or equivalent

**Last Updated:** Links 06/2011

### **ASTR 590 - Special Topics**

An experimental course for subject matter not provided in other department offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

### **ASTR 591 - Special Topics**

An experimental course for subject matter not provided in other department offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are covered. Not more than six hours of special topics may be used on a degree program

**Credit Hours:** 2 hrs

### **ASTR 592 - Special Topics**

An experimental course for subject matter not provided in other department offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are covered. Not more than six hours of special topics may be used on a degree program

**Credit Hours:** 3 hrs

### **ASTR 597 - Independent Study/Research**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **ASTR 598 - Independent Study/Research**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **ASTR 599 - Independent Study/Research**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **ASTR 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## Physical Science

### PSCI 515 - Modern Physics for Teachers I

A study of relativity, the quantum properties of waves and the wave properties of particles, the Bohr atom, atomic spectra and wave machines.

**Credit Hours:** 2 hrs

**Prerequisites:** PHY 222, PHY 224 or PHY 512

**Last Updated:** Links 05/2011

### PSCI 516 - Modern Physics for Teachers II

A study of nuclear structure, radioactive decay, detection and measurement of nuclear radiation, nuclear reactions, fission, fusion and elementary particles.

**Credit Hours:** 2 hrs

**Prerequisites:** PSCI 515

**Last Updated:** Links 05/2011

### PSCI 622 - New Approaches to Middle School Science I

Emphasis will be placed on the philosophy, content, teaching strategies and implementation of newer science curriculum materials designed for use in the junior high or middle school. Needed subject matter background will be provided. Extensive hands-on experience with demonstration and laboratory equipment will be included.

**Credit Hours:** 3 hrs

**Prerequisites:** science teaching experience or three laboratory science courses

**Previously Listed as:** PHY 622 - New Approaches to the Teaching of Science in the Junior High School I

**Last Updated:** Course Revision 12/2011, effective Winter 2012

### PSCI 623 - New Approaches to Middle School Science II

Emphasis will be placed on the philosophy, content, teaching strategies and implementation of newer science curriculum materials designed for use in the junior high or middle school. Needed subject matter background will be provided. Extensive hands-on experience with demonstration and laboratory equipment will be included.

**Credit Hours:** 3 hrs

**Prerequisites:** Science teaching experience or three laboratory science courses and PSCI 622

**Previously Listed as:** PHY 623 - New Approaches to the Teaching of Science in the Junior High School II

**Last Updated:** Course Revision 12/2011, effective Winter 2012

## Physics

## **PHY 406 - Ethical Issues in Physics**

Ethical issues that a career physicist may encounter are studied and discussed. Historical accounts and essays are used to illustrate potential ethical conflicts associated with interactions within the scientific community as well as interactions between the scientific community and society at large.

**Credit Hours:** 1 hr

**Prerequisites:** PHY 222 and PHY 224

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **PHY 420 - Capstone Project**

This course provides the opportunity to synthesize knowledge of a wide range of physics and engineering topics into a research or design project, from concept development, through test and analysis, to final report. Assessment and development of concept knowledge and practical skills are integral to this course.

**Credit Hours:** 3 hrs

**Prerequisites:** (PHY 230 or PHY 330), PHY 360 and PHY 370

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **PHY 431 - Intermediate Mechanics II**

A continuation of PHY 330. Mechanics of a rigid body, generalized coordinates, the Lagrangian and Hamiltonian functions, relative motion.

**Credit Hours:** 3 hrs

**Prerequisites:** PHY 330, MATH 223

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **PHY 436 - Vibration and Sound**

Detailed studies of vibration and wave motion with specific emphasis on acoustic waves in air and other media. Reflection, refraction and interference of sound; vibrating strings and air columns; electroacoustic transducers; architectural acoustics.

**Credit Hours:** 4 hrs

**Lecture/Lab Hours:** Laboratory required. Laboratory meets once per week for three hours.

**Prerequisites:** PHY 222 or PHY 224; MATH 223

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **PHY 442 - Optics and Optics Laboratory**

An intermediate course with a laboratory dealing with fundamentals of geometrical, physical and quantum optics. Topics covered include: reflection, refraction, lenses and optical instruments, spectrometers and spectra, interference, diffraction and polarization.

**Credit Hours:** 4 hrs

**Lecture/Lab Hours:** Three hours of laboratory per week

**Prerequisites:** PHY 222 or PHY 224; MATH 121

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **PHY 444 - Applied Optics**

A combined lecture/laboratory course covering applications of optics. Applications include, but are not limited to, polarized light devices, laser operation, holography, image processing and fiber optics.

**Credit Hours:** 2 hrs

**Lecture/Lab Hours:** Lecture: one hour per week. Laboratory: three consecutive hours per week.

**Prerequisites:** PHY 224

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **PHY 450 - Electricity and Magnetism II**

A brief review of electrostatics and magnetostatics. The following topics will be covered: Faraday's Law, displacement current, Maxwell's equations, Poynting vector, plane wave solutions, polarization, wave propagation in dielectrics and conductors, dispersion, Fresnel's equations, guided waves, dipole radiation, Lienard-Wiechert potentials, and radiation theory.

**Credit Hours:** 3 hrs

**Prerequisites:** PHY 350, MATH 325

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **PHY 452 - Electrical Measurements**

An intermediate course in electricity. The fundamental principles involved in measuring electric and magnetic quantities, the use of high-grade electrical apparatus. Experiments include studies of galvanometers, Wheatstone bridges of various forms, potentiometers and standard cells, vacuum tubes, magnetic measurements and methods of measuring capacitance and inductance.

**Credit Hours:** 4 hrs

**Lecture/Lab Hours:** Laboratory: four consecutive hours, one day per week

**Prerequisites:** PHY 221/PHY 223 and PHY 222 or PHY 224

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **PHY 456 - Electronics**

Theory and application of passive and semiconductor circuit elements. Analog and digital circuit analysis and design problems.

**Credit Hours:** 4 hrs

**Lecture/Lab Hours:** Lecture: three hours per week. Laboratory: three hours per week

**Prerequisites:** PHY 222 or PHY 224; MATH 121

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **PHY 458 - Electronic Devices for Scientists**



Electronic devices used in electronic instruments: transistors, logic gates, and interface circuits. Interface techniques with applications to measurements.

**Credit Hours:** 4 hrs

**Lecture/Lab Hours:** Lecture: three hours per week. Laboratory: three hours per week.

**Prerequisites:** PHY 456

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

## **PHY 462 - Kinetic Theory and Statistical Mechanics**

An introduction to the kinetic theory of gases and statistical mechanics. For students concentrating in physics and those contemplating advanced study in related fields of science and engineering. Maxwell-Boltzman distribution law, entropy and probability, transport phenomena, quantum statistics, Bose-Einstein and Fermi-Dirac statistics, the connection between statistical mechanics and thermodynamics, the equation of state, the elementary electron theory of metals and statistical methods in nuclear physics.

**Credit Hours:** 3 hrs

**Prerequisites:** PHY 224 and MATH 223

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **PHY 471 - Atomic and Nuclear Physics**

Topics include basic nuclear structure, nuclear decay and radioactivity, nuclear reactions and particle physics.

**Credit Hours:** 3 hrs

**Prerequisites:** PHY 370 and MATH 121

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **PHY 475 - Introduction to Quantum Mechanics**

The fundamental ideas of the quantum theory; the dual nature of matter, wave equations and wave packets, observable and linear operators, the application of the Schroedinger and Heisenberg equations to elementary systems, Pauli's theory of electron spin.

**Credit Hours:** 3 hrs

**Prerequisites:** PHY 370 and MATH 223

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **PHY 481 - Mathematical Physics**

Advanced mathematical topics for the physics student, with applications drawn from the field of physics. Vectors, matrices, tensors, partial differential equations, contour integration, calculus of variations, integral equations and transforms, eigenvalue functions, perturbation and group theory, special functions.

**Credit Hours:** 3 hrs

**Prerequisites:** MATH 325 and PHY 330

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **PHY 485 - Fluid Dynamics**

An introduction to the statics and dynamics of real and ideal fluids: properties of fluids, mathematical models, dimensional analysis, boundary layer flow, flow in pipes, compressible, incompressible, laminar and turbulent flow.

**Credit Hours:** 3 hrs

**Prerequisites:** PHY 230 or PHY 330; and PHY 360

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **PHY 495 - Readings in Physics (Honors Course)**

Designed to give individual students a planned intensive reading program in some field of physics, the subject being chosen jointly by the student and the instructor. A part of this course will be the presentation of an hour-long talk in the chosen subject at an open meeting of the Department of Physics staff and students.

**Credit Hours:** 1 hr

**Prerequisites:** 20 hours of physics and department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

## **PHY 510 - Proposal Writing in Physics**

A course in writing research proposals in physics. Students will be introduced to a wide range of funding sources and requirements for seeking funds to support research. Students will learn how to perform appropriate literature searches, how to plan a research project, and how to identify potential funding sources for their project.

**Credit Hours:** 1 hr

## **PHY 511 - Mechanics, Sound and Heat for Teachers**

A study of motion, forces, heat and sound for teachers of general science who have had little or no previous experience with physics.

**Credit Hours:** 3 hrs

**Prerequisites:** MATH 105 and MATH 107, or equivalent

**Last Updated:** Links 06/2011

## **PHY 512 - Light, Electricity, and Magnetism for Teachers**

A study of light, electricity and magnetism for teachers of general science who have little previous experience with physics.

**Credit Hours:** 3 hrs

**Prerequisites:** PHY 511; may be taken concurrently

**Last Updated:** Links 05/2011

## **PHY 514 - Instrumentation for Teachers**

This course introduces the fundamentals of electrical instruments and the care and use of those instruments commonly encountered in secondary school science and in general science courses.

**Credit Hours:** 3 hrs

### **PHY 520 - Teaching of Physical Science**

Scientific attitudes for use with K-12 students, scientific inquiry, a selected group of physical principles and simple experiments that may be used in K-12 schools.

**Credit Hours:** 3 hrs

Last updated 12/8/2010.

### **PHY 530 - Topics in Computational and Advanced Physics I**

A course in advanced topics in physics including computational physics, classical mechanics, statistical mechanics, an electromagnetic theory. Students complete selected modules in these subject areas, as determined in consultation with the instructor.

**Credit Hours:** 4 hrs

**Prerequisites:** department permission required

### **PHY 531 - Topics in Computational and Advanced Physics II**

Continuation of PHY 530. A course in advanced topics in physics including computational physics, classical mechanics, statistical mechanics, and electromagnetic theory. Students complete selected modules in these subject area, other than those completed for PHY 530, as determined in consultation with the instructor.

**Credit Hours:** 2 hrs

**Prerequisites:** PHY 530; department permission required

**Last Updated:** Links 05/2011

### **PHY 540 - The History of Physics and Astronomy**

A course designed to give students an understanding of the contributions made by selected scientists to the development of physics and astronomy, and the relationship of these ideas to the period in which the scientists lived.

**Credit Hours:** 2 hrs

**Prerequisites:** three courses in physics and/or astronomy (one may be taken concurrently)

### **PHY 541 - Modern Optics**

A combined lecture/laboratory course including but not limited to scattering and reflection of polarized light, polarization devices, beam optics, resonators, lasers and their spatial and temporal characteristics, Fourier image processing, holography, and optical phase conjugation. Lecture: three hours per week. Laboratory: three hours per week.

**Credit Hours:** 4 hrs

**Prerequisites:** PHY 440 and MATH 223 or equivalent

**Last Updated:** Links 06/2011

### **PHY 550 - Supervised Teaching of Post-secondary Physics Labs**

Mandatory course for teaching assistants in the Department of Physics and Astronomy. Topics, specific to the experiments they will be teaching, include: teaching theory, effective teaching methods, casting educational objectives, laboratory safety, proper laboratory procedures, and grading by rubric.

**Credit Hours:** 1 hrs

**Major Restrictions:** Master of Science in Physics, Master of Science in Physical Science, and Master of Science in Physics Education

**Last Updated:** New Course 11/2012, effective Winter 2013

### **PHY 576 - Solid State Physics**

An introduction to the principles and phenomena associated with the solid state: crystal structure, lattice waves, free electron model, band theory, properties of solids, imperfections.

**Credit Hours:** 3 hrs

**Prerequisites:** PHY 350 and PHY 475, or equivalent

**Last Updated:** Links 05/2011

### **PHY 587 - Cooperative Education in Physics**

The course involves a cooperative education experience for the equivalent of one semester, full time. A written report is required at the end of the employment. Credit on a graduate program is subject to departmental approval.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **PHY 590 - Special Topics**

An experimental course for subject matter not provided in other department offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

### **PHY 591 - Special Topics**

An experimental course for subject matter not provided in other department offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

### **PHY 592 - Special Topics**

An experimental course for subject matter not provided in other department offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

### **PHY 594 - Workshop in Physics**

Laboratory and/or field experience guided toward problems and new curricula in physics and physical science.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **PHY 595 - Workshop in Physics**

Laboratory and/or field experience guided toward problems and new curricula in physics and physical science.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **PHY 596 - Workshop in Physics**

Laboratory and/or field experience guided toward problems and new curricula in physics and physical science.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **PHY 597 - Independent Study/Research**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **PHY 598 - Independent Study/Research**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **PHY 599 - Independent Study/Research**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **PHY 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Course is offered on a credit/no-credit basis

## **PHY 650 - New Approaches to Teaching Physics I**

Designed to increase the subject matter and pedagogical competency of those teaching or preparing to teach high school physics. This includes content, organization, problems and philosophy of the latest high school physics text materials. Students will also learn to design lesson plans and units best practice and sound science content aligned with State standards.

**Credit Hours:** 3 hrs

**Prerequisites:** MATH 120 and either PHY 222 or PHY 224 or PHY 512

**Last Updated:** Links 05/2011

## **PHY 651 - New Approaches to Teaching Physics II**

Designed to increase the subject matter competency of those teaching or preparing to teach high school physics. The content, organization, problems and philosophy of the latest high school physics text materials.

**Credit Hours:** 2 hrs

**Prerequisites:** MATH 120 and either PHY 222, or PHY 224 or PHY 512

**Last Updated:** Links 05/2011

## **PHY 662 - Advanced Mechanics I**

This course considers exactly soluble problems in the mechanics of discrete and continuous media.

**Credit Hours:** 3 hrs

**Prerequisites:** PHY 530

**Last Updated:** Links 05/2011

## **PHY 671 - Electromagnetic Theory**

Provides the student with a foundation in the classical theory of the Maxwell field equations and indicates the many current applications. Typical topics covered are: Maxwell's equations, conservation laws, plane waves, wave guides, resonant cavities, dipole radiation, diffraction, radiation by moving charges, Bremsstrahlung, Cerenkov radiation, multiple fields, plasma electrodynamics.

**Credit Hours:** 4 hrs

**Prerequisites:** PHY 530

**Last Updated:** Links 05/2011

## **PHY 675 - Quantum Mechanics**

The Schroedinger equation and its applications in three dimensions, angular momentum, electron spin, Heisenberg's matrix mechanics, Dirac notation, perturbation theories, variational methods, scattering theory.

**Credit Hours:** 4 hrs

**Prerequisites:** PHY 475 or equivalent; PHY 530

**Last Updated:** Links 05/2011

## **PHY 679 - Special Topics**

An experimental course for subject matter not provided in other department offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

### **PHY 680 - Special Topics**

An experimental course for subject matter not provided in other department offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

### **PHY 681 - Special Topics**

An experimental course for subject matter not provided in other department offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

### **PHY 682 - Workshop in Physics**

Laboratory and/or field experience guided toward problems and new curricula in physics and physical science.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **PHY 683 - Workshop in Physics**

Laboratory and/or field experience guided toward problems and new curricula in physics and physical science.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **PHY 684 - Workshop in Physics**

Laboratory and/or field experience guided toward problems and new curricula in physics and physical science.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **PHY 687 - Cooperative Education in Physics**

The course involves a cooperative education experience for the equivalent of one semester, full time. A written report is required at the end of the employment. Credit on a graduate program is subject to departmental approval.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

## **PHY 688 - Cooperative Education in Physics**

The course involves a cooperative education experience for the equivalent of one semester, full time. A written report is required at the end of the employment. Credit on a graduate program is subject to departmental approval.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

## **PHY 690 - Thesis/Final Project**

Intensive research in physics or physics education including the submission of a thesis or written report under the direction of a research adviser.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

## **PHY 691 - Thesis/Final Project**

Intensive research in physics or physics education including the submission of a thesis or written report under the direction of a research adviser.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **PHY 692 - Thesis/Final Project**

Intensive research in physics or physics education including the submission of a thesis or written report under the direction of a research adviser.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **PHY 693 - Seminar in Physics**

Presentation of special reports and group discussion on selected topics in physics and physical science.

**Credit Hours:** 1 hr

## **PHY 694 - Seminar in Physics**

Presentation of special reports and group discussion on selected topics in physics and physical science.

**Credit Hours:** 2 hrs

## **PHY 695 - Seminar in Physics**



Presentation of special reports and group discussion on selected topics in physics and physical science.

**Credit Hours:** 3 hrs

### **PHY 697 - Independent Study/Research**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **PHY 698 - Independent Study/Research**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **PHY 699 - Independent Study/Research**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

# Political Science Programs and Courses

## Political Science

### Combined

### **Combined Bachelor's Degree in Political Science or Public Administration and Master's of Public Administration Degree (PLPA or PAPA)**

The Combined Bachelor's Degree in Political Science (PLPA) or Public Administration (PAPA) and Master's of Public Administration Degree is an accelerated five-year program in which exceptional students will earn both undergraduate and graduate degrees. Students will spend their first three years engaged in undergraduate studies and their final two completing the graduate program. The total number of credits needed for the program will be 150. At the undergraduate level, students will complete their General Education requirements, a minor and an abbreviated version of the undergraduate Public Administration or Political Science major. Starting their fourth year, students will complete all 40-46 hours of the M.P.A. program, and a portion of the credits will double count toward the undergraduate B.S. degree.

The curriculum requires two internships, one as part of the undergraduate major, the second in the M.P.A. portion. Thus, students will have substantial field experience in public administration upon completing the full B.S./M.P.A. degrees.

<http://www.emich.edu/polisci/Internship/index.htm>

#### **Admission**

Students will be invited to apply to the Combined Degree Program by November 1 of their junior year, and will be offered admission by December 1 of their junior year. Applications will require letters of recommendation, a personal statement focusing on career goals and reasons for applying to the program, and an interview with the M.P.A. Director (or a designate). A minimum 3.3 grade point average will be required for entry to this program.

### **Combined Bachelor's Degree in Political Science and Master's of Public Administration Degree (PLPA)**

General Education Requirements: 40 hours

Additional Requirements: 3 hours

Undergraduate Requirements: 30 hours

Required Core Courses: 9 hours

Restricted Electives: 6 hours

*Two courses from the following:*

Distribution Requirements: 9 hours

*Three courses from the groups listed below, including at least one course from each group:*

I. Comparative Politics and International Relations

- PLSC 462 - Russian Foreign Relations 3 hrs

II. Political Theory and Methods

Graduate Courses Toward Undergraduate Major: 6 hours

Minor Requirements: 20 hours

University Elective Courses: 23 hours

Graduate Courses Toward MPA Only: 34-40 hours

Program Total: 150 hours

Note:

*Each student must choose a writing intensive course as part of major completion requirements. Consult your adviser for course options.*

Combined Bachelor's Degree in Public Administration and Master's of Public Administration Degree (PAPA)

General Education Requirements: 40 hours

Additional Requirements: 3 hours

Undergraduate Requirements: 30 hours

Required Core Courses: 9 hours

Restricted Electives: 15 hours

*Five courses from the following:*

- PLSC 431 - Theories of Public Organization 3 hrs

Graduate Courses Toward Undergraduate Major: 6 hours

Minor Requirements: 20 hours

University Elective Courses: 23 hours

Graduate Courses Toward MPA Only: 34-40 hours

Program Total: 150 hours

## Note:

*Each student must choose a writing intensive course as part of major completion requirements. Consult your adviser for course options.*

## Undergraduate Courses for Graduate Credit: Political Science

Undergraduate courses may be taken for graduate credit to meet program or certificate requirements with explicit approval of the MPA advisor. Students intending to register for undergraduate courses for graduate credit must receive permission before enrolling in the course; otherwise undergraduate credit will be awarded.

- PLSC 405 - British Law and Politics 3 hrs

## Graduate Certificate

### Graduate Certificate in General Public Management (GPM)

Adviser: Gregory Plagens  
601 Pray-Harrold  
734.487.3113  
gplagen1@emich.edu

The Graduate Certificate in Public Management is a five-course (13-15 credit hours) curriculum designed to meet the professional needs of state, local and nonprofit employees with general management responsibilities. Individuals changing from entry-level nonprofessional or technical roles to managerial roles will find this certificate program beneficial.

## Admission Requirements

### Degree Admissions

Applicants must have:

1. An undergraduate GPA of 3.0 or 3.25 in the last half of the undergraduate program; the Graduate Record Examination (GRE) is not required.
2. A 250-word description of the applicant's academic and professional history and professional goals in public administration.
3. A personal interview with the program director is recommended if there are any questions about admission under the criteria above.

4. Applicants whose native language is not English must achieve EMU Graduate School minimum scores on the Test of English as a Foreign Language (TOEFL), IELTS, or the Michigan English Language Assessment Battery (MELAB). Students with scores below the minimum must take English as a Second Language (ESL) courses at EMU to raise their English proficiency to a satisfactory level before beginning courses in the M.P.A. program. These students may be admitted on a conditional basis, subject to successful completion of the ESL requirements. See the Admissions website for minimum scores.

### **Conditional Admission**

Promising applicants with a minimum of five years of administrative experience who do not meet the GPA requirements for regular degree admission, and who have a GPA between 2.75 and 3.0, may be granted conditional admission. Such applicants must arrange for an admission interview with the program director and submit two letters of recommendation from employers or others who can testify to the applicant's suitability for the program. Applicants may be granted degree admission after completing at least four courses approved by the program director, with a minimum grade of 3.0 (B) in each course.

Application information and materials can be obtained from EMU's Office of Admissions or at [graduate.admissions@emich.edu](mailto:graduate.admissions@emich.edu), or [international.admissions@emich.edu](mailto:international.admissions@emich.edu). Applications will be processed for Fall (February 15 deadline) and Winter (October 15 deadline) admission, but desired classes may not be available for students and delays in securing official transcripts may also delay admission decisions. As noted above, separate applications must be filed for the M.P.A. program and any certificate programs that a student may be interested in pursuing, even if done concurrently.

## **Required Courses: 13-15 hours**

- PLSC 510 - Modern Public Administration 3 hrs
- PLSC 515 - Public Personnel Administration 3 hrs
- PLSC 540 - Public Budget Administration 3 hrs

### **Two courses from the following:**

- PLSC 610 - Public Organization Theory 3 hrs
- PLSC 615 - Public Budget Applications 2 hrs
- PLSC 620 - Administrative Law 2 hrs
- PLSC 625 - Local Government Management 2 hrs
- PLSC 630 - Public Bureaucracies and Policy Formation 3 hrs
- PLSC 645 - Intergovernmental Relations 2 hrs

## **Certificate Total: 13-15 hours**

# **Graduate Certificate in Local Government Management (LGM)**

Adviser: Gregory Plagens  
601 Pray-Harrold  
734.487.3113  
[gplagen1@emich.edu](mailto:gplagen1@emich.edu)

The Graduate Certificate in Local Management is a six-course (16 credit hours) curriculum designed to meet the professional needs of general management employees in local governments (municipal, township and county) including private citizens who are interested in local policy issues and who may be involved in neighborhood associations or local advisory boards. Individuals changing from entry level, nonprofessional, professional or technical roles to managerial roles will find this certificate program beneficial.

## Admission Requirements

### Degree Admissions

Applicants must have:

1. An undergraduate GPA of 3.0 or 3.25 in the last half of the undergraduate program; the Graduate Record Examination (GRE) is not required.
2. A 250-word description of the applicant's academic and professional history and professional goals in public administration.
3. A personal interview with the program director is recommended if there are any questions about admission under the criteria above.
4. Applicants whose native language is not English must achieve EMU Graduate School minimum scores on the Test of English as a Foreign Language (TOEFL), IELTS, or the Michigan English Language Assessment Battery (MELAB). Students with scores below the minimum must take English as a Second Language (ESL) courses at EMU to raise their English proficiency to a satisfactory level before beginning courses in the M.P.A. program. These students may be admitted on a conditional basis, subject to successful completion of the ESL requirements. See the Admissions website for minimum scores.

### Conditional Admission

Promising applicants with a minimum of five years of administrative experience who do not meet the GPA requirements for regular degree admission, and who have a GPA between 2.75 and 3.0, may be granted conditional admission. Such applicants must arrange for an admission interview with the program director and submit two letters of recommendation from employers or others who can testify to the applicant's suitability for the program. Applicants may be granted degree admission after completing at least four courses approved by the program director, with a minimum grade of 3.0 (B) in each course.

Application information and materials can be obtained from EMU's Office of Admissions or at [graduate.admissions@emich.edu](mailto:graduate.admissions@emich.edu), or [international.admissions@emich.edu](mailto:international.admissions@emich.edu). Applications will be processed for Fall (February 15 deadline) and Winter (October 15 deadline) admission, but desired classes may not be available for students and delays in securing official transcripts may also delay admission decisions. As noted above, separate applications must be filed for the M.P.A. program and any certificate programs that a student may be interested in pursuing, even if done concurrently.

## Required Courses: 16 hours

- PLSC 510 - Modern Public Administration 3 hrs
- PLSC 515 - Public Personnel Administration 3 hrs
- PLSC 520 - Land Use and Preservation Law 3 hrs
- PLSC 540 - Public Budget Administration 3 hrs
- PLSC 625 - Local Government Management 2 hrs

## One course from the following:

- PLSC 565 - Studies in State and Local Government 2 hrs
- PLSC 645 - Intergovernmental Relations 2 hrs
- PLSC 650 - Urban Problems and Policy 2 hrs
- PLSC 655 - Politics of Local Planning 2 hrs

## Certificate Total: 16 hours

# Graduate Certificate in Management of Public Healthcare Services (MPH)

Adviser: Gregory Plagens  
601 Pray-Harold  
734.487.3113  
gplagen1@emich.edu

The Graduate Certificate in Management of Public Healthcare Services is a five-course (14-15 credit hours) curriculum designed to meet the professional needs of managers working in the health care field including hospitals, public health departments, nursing homes, managed care agencies, insurance agencies, home health care systems and private medical practices. Individuals changing from entry-level, nonprofessional, professional, or technical roles to managerial roles will find this certificate program beneficial.

## Admission Requirements

### Degree Admissions

Applicants must have:

1. An undergraduate GPA of 3.0 or 3.25 in the last half of the undergraduate program; the Graduate Record Examination (GRE) is not required.
2. A 250-word description of the applicant's academic and professional history and professional goals in public administration.
3. A personal interview with the program director is recommended if there are any questions about admission under the criteria above.
4. Applicants whose native language is not English must achieve EMU Graduate School minimum scores on the Test of English as a Foreign Language (TOEFL), IELTS, or the Michigan English Language Assessment Battery (MELAB). Students with scores below the minimum must take English as a Second Language (ESL) courses at EMU to raise their English proficiency to a satisfactory level before beginning courses in the M.P.A. program. These students may be admitted on a conditional basis, subject to successful completion of the ESL requirements. See the Admissions website for minimum scores.

### Conditional Admission

Promising applicants with a minimum of five years of administrative experience who do not meet the GPA requirements for regular degree admission, and who have a GPA between 2.75 and 3.0, may be granted conditional admission. Such applicants must arrange for an admission interview with the program director and submit two letters of recommendation from employers or others who can testify to the applicant's suitability for the program. Applicants may be granted degree admission after completing at least four courses approved by the program director, with a minimum grade of 3.0 (B) in each course.

Application information and materials can be obtained from EMU's Office of Admissions or at [graduate.admissions@emich.edu](mailto:graduate.admissions@emich.edu), or [international.admissions@emich.edu](mailto:international.admissions@emich.edu). Applications will be processed for Fall (February 15 deadline) and Winter (October 15 deadline) admission, but desired classes may not be available for students and delays in securing official transcripts may also delay admission decisions. As noted above, separate applications must be filed for the M.P.A. program and any certificate programs that a student may be interested in pursuing, even if done concurrently.

## Required Courses: 14-15 hours

- HLAD 510 - Medical Care Organization 3 hrs
- PLSC 510 - Modern Public Administration 3 hrs

## One course from the following:

- PLSC 515 - Public Personnel Administration 3 hrs
- PLSC 540 - Public Budget Administration 3 hrs

## Two courses from the following:

- HLAD 511 - Health Law 3 hrs
- HLAD 512 - Reimbursement for Health Care Services 3 hrs
- PLSC 660 - Public Health Care Policy 2 hrs

Certificate Total: 14-15 hours

## Graduate Certificate in Nonprofit Management (NPMG)

Adviser: Gregory Plagens  
601 Pray-Harrold  
734.487.3113  
gplagen1@emich.edu

This Interdisciplinary Graduate Certificate is designed to develop management competencies for working professionals in public and nonprofit organizations. It is linked to and enables a student to fulfill the Nonprofit Leadership Program's foundation and professional development competencies and to earn a National Certification in Nonprofit Management and Leadership and the corresponding Certified Nonprofit Professional (CNP) credential. Competency areas cover practical skills for building management capacity of an organization, such as financial management of resources and accountability for performance; governance issues and the legal and ethical environment of nonprofit organizations; human resources; fundraising; and technology and information systems. Course work is focused on management skill development for immediate, practical application of the knowledge gained from the program to nonprofit organizations, rather than on concepts and theory. The program may provide a foundation for further graduate work in business, public administration, health and human service and other disciplines, or extend the skills of professionals who already have graduate degrees, such as a Master's degree in Public Administration or Social Work.

### Admission Requirements

#### Degree Admissions

Applicants must have:

1. An undergraduate GPA of 3.0 or 3.25 in the last half of the undergraduate program; the Graduate Record Examination (GRE) is not required.
2. A 250-word description of the applicant's academic and professional history and professional goals in public administration.
3. A personal interview with the program director is recommended if there are any questions about admission under the criteria above.
4. Applicants whose native language is not English must achieve EMU Graduate School minimum scores on the Test of English as a Foreign Language (TOEFL), IELTS, or the Michigan English Language Assessment Battery (MELAB). Students with scores below the minimum must take English as a Second Language (ESL) courses at EMU to raise their English proficiency to a satisfactory level before beginning courses in the M.P.A. program. These students may be



admitted on a conditional basis, subject to successful completion of the ESL requirements. See the Admissions website for minimum scores.

### **Conditional Admission**

Promising applicants with a minimum of five years of administrative experience who do not meet the GPA requirements for regular degree admission, and who have a GPA between 2.75 and 3.0, may be granted conditional admission. Such applicants must arrange for an admission interview with the program director and submit two letters of recommendation from employers or others who can testify to the applicant's suitability for the program. Applicants may be granted degree admission after completing at least four courses approved by the program director, with a minimum grade of 3.0 (B) in each course.

Application information and materials can be obtained from EMU's Office of Admissions or at [graduate.admissions@emich.edu](mailto:graduate.admissions@emich.edu), or [international.admissions@emich.edu](mailto:international.admissions@emich.edu). Applications will be processed for Fall (February 15 deadline) and Winter (October 15 deadline) admission, but desired classes may not be available for students and delays in securing official transcripts may also delay admission decisions. As noted above, separate applications must be filed for the M.P.A. program and any certificate programs that a student may be interested in pursuing, even if done concurrently.

## **Required Courses: 9 hours**

*Choose three courses from the following:*

- ACC 646 - Financial Management of Nonprofit Organizations 3 hrs
- LAW 603 - Legal Environment of Nonprofit Organizations 3 hrs
- PLSC 604 - Foundations of the Nonprofit Sector (NEW COURSE) 3 hrs
- PLSC 605 - Leadership and Nonprofit Management 3 hrs

## **Restricted Electives: 5-6 hours**

*Choose two courses from the following in consultation with the program coordinator:*

- MGMT 509 - Strategic Human Resource Management 3 hrs
- MGMT 570 - New Venture Creation 3 hrs
- MGMT 617 - Social Entrepreneurship 3 hrs
- MGMT 628 - Human Resource Development 3 hrs
- PLSC 606 - Fundraising for Nonprofits 3 hrs
- PLSC 645 - Intergovernmental Relations 2 hrs
- SOCL 678 - Methods in Social Program Evaluation 3 hrs
- SWRK 662 - Grant Writing and Resource Development 3 hrs
- SWRK 694 - Community Action Seminar 2 hrs

## **Certificate Total: 14-15 hours**

# **Graduate Certificate in Public Budget Management (PBM)**

Adviser: Gregory Plagens  
601 Pray-Harrold  
734.487.3113  
[gplagen1@emich.edu](mailto:gplagen1@emich.edu)

The Graduate Certificate in Public Budget Management is a five-course (14 credit hours) curriculum designed to meet the professional needs of budget or line personnel with budget responsibilities in state, municipal, township, or county government agencies and nonprofit organizations (healthcare, social services and arts). Individuals changing from entry-level, nonprofessional, professional, or technical roles to managerial roles will find this certificate program beneficial.

## **Admission Requirements**

### **Degree Admissions**

Applicants must have:

1. An undergraduate GPA of 3.0 or 3.25 in the last half of the undergraduate program; the Graduate Record Examination (GRE) is not required.
2. A 250-word description of the applicant's academic and professional history and professional goals in public administration.
3. A personal interview with the program director is recommended if there are any questions about admission under the criteria above.
4. Applicants whose native language is not English must achieve EMU Graduate School minimum scores on the Test of English as a Foreign Language (TOEFL), IELTS, or the Michigan English Language Assessment Battery (MELAB). Students with scores below the minimum must take English as a Second Language (ESL) courses at EMU to raise their English proficiency to a satisfactory level before beginning courses in the M.P.A. program. These students may be admitted on a conditional basis, subject to successful completion of the ESL requirements. See the Admissions website for minimum scores.

### **Conditional Admission**

Promising applicants with a minimum of five years of administrative experience who do not meet the GPA requirements for regular degree admission, and who have a GPA between 2.75 and 3.0, may be granted conditional admission. Such applicants must arrange for an admission interview with the program director and submit two letters of recommendation from employers or others who can testify to the applicant's suitability for the program. Applicants may be granted degree admission after completing at least four courses approved by the program director, with a minimum grade of 3.0 (B) in each course.

Application information and materials can be obtained from EMU's Office of Admissions or at [graduate.admissions@emich.edu](mailto:graduate.admissions@emich.edu), or [international.admissions@emich.edu](mailto:international.admissions@emich.edu). Applications will be processed for Fall (February 15 deadline) and Winter (October 15 deadline) admission, but desired classes may not be available for students and delays in securing official transcripts may also delay admission decisions. As noted above, separate applications must be filed for the M.P.A. program and any certificate programs that a student may be interested in pursuing, even if done concurrently.

## **Required Courses: 14 hours**

- PLSC 510 - Modern Public Administration 3 hrs
- PLSC 540 - Public Budget Administration 3 hrs
- PLSC 615 - Public Budget Applications 2 hrs

### **Two courses from the following:**

- ACC 546 - Public and Nonprofit Sector Accounting 3 hrs
- ACC 646 - Financial Management of Nonprofit Organizations 3 hrs
- ECON 550 - Public Finance: Analysis and Policy 3 hrs
- ECON 551 - State and Local Government Finance 3 hrs

Certificate Total: 14 hours

## **Graduate Certificate in Public Land Planning and Development Management (PLP)**

Adviser: Gregory Plagens  
601 Pray-Harrold  
734.487.3113  
gplagen1@emich.edu

The Graduate Certificate in Public Land Planning and Development Management is a five-course (12-14 credit hours) curriculum designed to meet the professional needs of community development, planning, or economic development personnel, as well as citizen advisory boards in municipal, township or county government agencies, including regional planning agencies and downtown development authorities. Individuals changing from entry-level, nonprofessional, professional, or technical roles to managerial roles will find this certificate program beneficial.

### **Admission Requirements**

#### **Degree Admissions**

Applicants must have:

1. An undergraduate GPA of 3.0 or 3.25 in the last half of the undergraduate program; the Graduate Record Examination (GRE) is not required.
2. A 250-word description of the applicant's academic and professional history and professional goals in public administration.
3. A personal interview with the program director is recommended if there are any questions about admission under the criteria above.
4. Applicants whose native language is not English must achieve EMU Graduate School minimum scores on the Test of English as a Foreign Language (TOEFL), IELTS, or the Michigan English Language Assessment Battery (MELAB). Students with scores below the minimum must take English as a Second Language (ESL) courses at EMU to raise their English proficiency to a satisfactory level before beginning courses in the M.P.A. program. These students may be admitted on a conditional basis, subject to successful completion of the ESL requirements. See the Admissions website for minimum scores.

#### **Conditional Admission**

Promising applicants with a minimum of five years of administrative experience who do not meet the GPA requirements for regular degree admission, and who have a GPA between 2.75 and 3.0, may be granted conditional admission. Such applicants must arrange for an admission interview with the program director and submit two letters of recommendation from employers or others who can testify to the applicant's suitability for the program. Applicants may be granted degree admission after completing at least four courses approved by the program director, with a minimum grade of 3.0 (B) in each course.

Application information and materials can be obtained from EMU's Office of Admissions or at [graduate.admissions@emich.edu](mailto:graduate.admissions@emich.edu), or [international.admissions@emich.edu](mailto:international.admissions@emich.edu). Applications will be processed for Fall (February 15 deadline) and Winter (October 15 deadline) admission, but desired classes may not be available for students and delays in securing official transcripts may also delay admission decisions. As noted above, separate applications must be filed for the M.P.A. program and any certificate programs that a student may be interested in pursuing, even if done concurrently.

**Required Courses: 12-14 hours**

- URP 553 - Urban and Regional Planning 2 hrs
- PLSC 510 - Modern Public Administration 3 hrs

### One course from the following:

- PLSC 515 - Public Personnel Administration 3 hrs
- PLSC 540 - Public Budget Administration 3 hrs

### Two courses from the following:

- URP 555 - Comprehensive Planning 2 hrs
- URP 556 - Zoning and Land Development Regulation 2 hrs
- URP 557 - Community Development and Downtown Revitalization 3 hrs
- GEOG 570 - Rural Planning and Preservation 2 hrs
- GEOG 581 - Advanced Environmental Assessment 3 hrs
- PLSC 520 - Land Use and Preservation Law 3 hrs
- PLSC 655 - Politics of Local Planning 2 hrs

Certificate Total: 12-14 hours

## Graduate Certificate in Public Personnel Management (PPM)

Adviser: Gregory Plagens  
 601 Pray-Harrold  
 734.487.3113  
 gplagen1@emich.edu

The Graduate Certificate in Public Personnel Management is a five-course (14 credit hours) curriculum designed to enhance career opportunities for human resources staff members, including those changing from entry-level, nonprofessional, professional, or technical roles to managerial roles. It is appropriate for individuals working in most public (state, municipal, township, county, school district) and nonprofit (health, social services, arts) agencies.

### Admission Requirements

#### Degree Admissions

Applicants must have:

1. An undergraduate GPA of 3.0 or 3.25 in the last half of the undergraduate program; the Graduate Record Examination (GRE) is not required.
2. A 250-word description of the applicant's academic and professional history and professional goals in public administration.
3. A personal interview with the program director is recommended if there are any questions about admission under the criteria above.
4. Applicants whose native language is not English must achieve EMU Graduate School minimum scores on the Test of English as a Foreign Language (TOEFL), IELTS, or the Michigan English Language Assessment Battery (MELAB). Students with scores below the minimum must take English as a Second Language (ESL) courses at EMU to raise their

English proficiency to a satisfactory level before beginning courses in the M.P.A. program. These students may be admitted on a conditional basis, subject to successful completion of the ESL requirements. See the Admissions website for minimum scores.

### **Conditional Admission**

Promising applicants with a minimum of five years of administrative experience who do not meet the GPA requirements for regular degree admission, and who have a GPA between 2.75 and 3.0, may be granted conditional admission. Such applicants must arrange for an admission interview with the program director and submit two letters of recommendation from employers or others who can testify to the applicant's suitability for the program. Applicants may be granted degree admission after completing at least four courses approved by the program director, with a minimum grade of 3.0 (B) in each course.

Application information and materials can be obtained from EMU's Office of Admissions or at [graduate.admissions@emich.edu](mailto:graduate.admissions@emich.edu), or [international.admissions@emich.edu](mailto:international.admissions@emich.edu). Applications will be processed for Fall (February 15 deadline) and Winter (October 15 deadline) admission, but desired classes may not be available for students and delays in securing official transcripts may also delay admission decisions. As noted above, separate applications must be filed for the M.P.A. program and any certificate programs that a student may be interested in pursuing, even if done concurrently.

## **Required Courses: 14 hours**

- PLSC 510 - Modern Public Administration 3 hrs
- PLSC 515 - Public Personnel Administration 3 hrs
- PLSC 665 - Basic Arbitration Training for Professionals 2 hrs

## **Two courses from the following:**

- ECON 505 - Collective Bargaining in Public and Private Sectors 3 hrs
- MGMT 611 - HR and Technology 3 hrs
- MGMT 618 - Staffing Organizations 3 hrs
- MGMT 620 - Compensation Management 3 hrs
- MGMT 625 - Management in Unionized Settings 3 hrs
- MGMT 628 - Human Resource Development 3 hrs

## **Certificate Total: 14 hours**

# **Graduate Certificate in Public Policy Analysis (PPA)**

Adviser: Gregory Plagens  
601 Pray-Harrold  
734.487.3113  
[gplagen1@emich.edu](mailto:gplagen1@emich.edu)

The Graduate Certificate in Public Policy Analysis is a six-course (16-17 credit hours) curriculum designed to meet the professional needs of state, local and nonprofit employees as well as private citizens with an interest in developing quantitative analytical skills for public policy issues. Students will learn about policy-making process, impact, cost benefit and economic analysis. Individuals changing from entry-level, nonprofessional, or technical roles to professional roles will find this certificate program beneficial.

Before enrolling in this certificate program, all students will be required to have the prerequisites of an introductory macro- and microeconomics class or the equivalent of ECON 500 - Foundations of Economics Analysis, plus a basic social science statistics class; 400-level economics classes will be taken for graduate credit.

## Admission Requirements

### Degree Admissions

Applicants must have:

1. An undergraduate GPA of 3.0 or 3.25 in the last half of the undergraduate program; the Graduate Record Examination (GRE) is not required.
2. A 250-word description of the applicant's academic and professional history and professional goals in public administration.
3. A personal interview with the program director is recommended if there are any questions about admission under the criteria above.
4. Applicants whose native language is not English must achieve EMU Graduate School minimum scores on the Test of English as a Foreign Language (TOEFL), IELTS, or the Michigan English Language Assessment Battery (MELAB). Students with scores below the minimum must take English as a Second Language (ESL) courses at EMU to raise their English proficiency to a satisfactory level before beginning courses in the M.P.A. program. These students may be admitted on a conditional basis, subject to successful completion of the ESL requirements. See the Admissions website for minimum scores.

### Conditional Admission

Promising applicants with a minimum of five years of administrative experience who do not meet the GPA requirements for regular degree admission, and who have a GPA between 2.75 and 3.0, may be granted conditional admission. Such applicants must arrange for an admission interview with the program director and submit two letters of recommendation from employers or others who can testify to the applicant's suitability for the program. Applicants may be granted degree admission after completing at least four courses approved by the program director, with a minimum grade of 3.0 (B) in each course.

Application information and materials can be obtained from EMU's Office of Admissions or at [graduate.admissions@emich.edu](mailto:graduate.admissions@emich.edu), or [international.admissions@emich.edu](mailto:international.admissions@emich.edu). Applications will be processed for Fall (February 15 deadline) and Winter (October 15 deadline) admission, but desired classes may not be available for students and delays in securing official transcripts may also delay admission decisions. As noted above, separate applications must be filed for the M.P.A. program and any certificate programs that a student may be interested in pursuing, even if done concurrently.

## Required Courses: 5 hours

- PLSC 630 - Public Bureaucracies and Policy Formation 3 hrs
- PLSC 635 - Public Policy Analysis and Evaluation 2 hrs

## Electives: 11-12 hours

*Choose three courses from the following in addition to **one substantive policy focused course** in health care, environment, planning, education, nursing, gerontology, social work, poverty, local government, etc. (2-3 hrs):*

- ECON 501 - Macroeconomic Theory and Policy 3 hrs
- ECON 502 - Microeconomic Theory and Policy 3 hrs
- ECON 515 - Econometrics Analysis II 3 hrs
- ECON 555 - Cost-Benefit Analysis Theory and Practice 3 hrs

## Certificate Total: 16-17 hours

## Graduate Certificate Description

### Graduate Certificates in Public Administration

Adviser: Joseph Ohren, Ph.D.  
601 Pray-Harrold  
734.487.2522  
johren@emich.edu

The Political Science Department offers eight graduate certificates that build upon the M.P.A. curriculum. The primary goal of these graduate certificates is to provide students with graduate-level training short of a full master's degree curriculum that complements and supports their need for professional development in public management and their desire for personal enhancement. All certificates are flexible enough to meet the needs of both pre-career and in-service individuals. These courses are offered on both the main Ypsilanti and Livonia campuses.

#### Specifically, the objectives of the certificate programs are to:

1. Provide an overview of public management concepts of politics/administration, leadership, ethics, human resources, budgeting and organizational theory;
2. Provide course work that is specific to the skill set that is needed for various public management careers;
3. Be flexible enough to serve either pre-service or in-service student audiences who are either entering the workforce or are already in the workforce and seeking a change from professional or technical roles to managerial roles, or from nonprofessional roles to professional or technical roles, or possibly using the certificate courses as part of or all of a master's degree minor;
4. Enable students to complete their certificate curriculum in eighteen to twenty-four months maximum;
5. Enable students who complete the certificate and decide on a full Master's degree in Public Administration to transfer all of the certificate course work into the M.P.A. program;
6. Enable students who currently hold a graduate degree, including an M.P.A., to obtain an additional area of specialization.

#### Admission Requirements for Graduate Certificates

*Applicants must fulfill all of the admissions requirements of the Master of Public Administration Program.*

## Master's

### Master of Public Administration (M.P.A.) Programs (PADM)

M.P.A. Director: Gregory Plagens, Ph.D.  
601J Pray-Harrold  
734.487.2522  
gplagen1@emich.edu

Program Coordinator: Joseph Ohren, Ph.D.  
601K Pray Harrold  
734.487.3325  
ohren@emich.edu

<http://www.emich.edu/polisci>

#### Mission Statement

The mission of the M.P.A. program is to prepare students for leadership roles and careers in public and nonprofit organizations. In pursuing this mission, the M.P.A. program will (1) offer a professional, terminal degree grounded in political science; (2)

combine a foundation in general public administration with the specialized knowledge and skills associated with one of the program's concentrations with focused attention to the needs of professionals in local government and nonprofit agencies; and (3) serve the community by expanding and applying knowledge and providing leadership in addressing public service needs.

### **Accreditation**

The M.P.A. program is fully accredited by the National Association of Schools of Public Affairs and Administration. This accreditation indicates that EMU's M.P.A. program meets all national standards for such programs.

### **Department Activities**

The department offers special opportunities to M.P.A. students by its involvement and leadership roles in EMU's applied research institutes, the Nonprofit Leadership Alliance program on campus, the Detroit Metropolitan Chapter of the American Society for Public Administration (ASPA), the Michigan Local Government Management Association (MLGMA) and other professional associations.

### **Graduate Assistantships**

Graduate assistantships are available on a competitive basis to M.P.A. students. Graduate assistants support faculty members in instructional, research, service and administrative projects. Placements are also available outside the department with other University offices.

## **Admission Requirements**

### **Degree Admissions**

Applicants must have:

1. An undergraduate GPA of 3.0 or 3.25 in the last half of the undergraduate program; the Graduate Record Examination (GRE) is not required.
2. A 250-word description of the applicant's academic and professional history and professional goals in public administration.
3. A personal interview with the program director is recommended if there are any questions about admission under the criteria above.
4. One political science course in the fundamentals of American government, public law, state and local government or public administration, with a C or better if taken as a part of a bachelor's degree or a B- or better if taken after the bachelor's degree.
5. Applicants whose native language is not English must achieve EMU Graduate School minimum scores on the Test of English as a Foreign Language (TOEFL), IELTS, or the Michigan English Language Assessment Battery (MELAB). Students with scores below the minimum must take English as a Second Language (ESL) courses at EMU to raise their English proficiency to a satisfactory level before beginning courses in the MPA program. These students may be admitted on a conditional basis, subject to successful completion of the ESL requirements. See the Admissions website for minimum scores.

### **Conditional Admission**

An applicant deficient in the above prerequisites may be granted admission on a conditional basis, subject to completion of the prerequisite(s). In lieu of the above prerequisite course, documentation of acquired proficiency and/or appropriate experience may be accepted at the discretion of the MPA director.

Promising applicants with a minimum of five years of administrative experience that do not meet the GPA requirements for regular degree admission, and who have a GPA between 2.75 and 3.0, may be granted conditional admission. Such applicants must arrange for an admission interview with the program director and submit two letters of recommendation from employers or



others who can testify to the applicant's suitability for the program. Applicants may be granted degree admission after completing at least four courses approved by the program director, with a minimum grade of 3.0 (B) in each course.

Application information and materials can be obtained from EMU's Office of Admissions or at [graduate.admissions@emich.edu](mailto:graduate.admissions@emich.edu), or [international.admissions@emich.edu](mailto:international.admissions@emich.edu). Applications will be processed for Fall (February 15 deadline) and Winter (October 15 deadline) admission, but desired classes may not be available for students and delays in securing official transcripts may also delay admission decisions. As noted above, separate applications must be filed for the M.P.A. program and any certificate programs that a student may be interested in pursuing, even if done concurrently.

### **Degree Requirements**

The M.P.A. degree is awarded upon satisfactory completion of 17 courses with at least 40 hours of appropriate credit. This includes 9 required courses, four electives in political science, and a four course concentration. All pre-service students without substantial work experience in public administration must complete a 15-week equivalent internship experience and enroll in PLSC 688 - Practicum in Public Affairs. The director of internships in the Department of Political Science will work with students to identify and supervise an appropriate internship.

The minimum acceptable grade in each of the nine required courses is a B. Students scoring less than a B may repeat a course once before being dismissed from the program. All students must have a B average overall to graduate.

## **Required Courses: 24 hours**

- PLSC 510 - Modern Public Administration 3 hrs
- PLSC 515 - Public Personnel Administration 3 hrs
- PLSC 540 - Public Budget Administration 3 hrs
- PLSC 610 - Public Organization Theory 3 hrs
- PLSC 615 - Public Budget Applications 2 hrs
- PLSC 630 - Public Bureaucracies and Policy Formation 3 hrs
- PLSC 677 - Analytical Methods for Public Administration 2 hrs
- PLSC 678 - Analytical Techniques for Public Administration 3 hrs
- PLSC 695 - Research Seminar in Public Administration 2 hrs

## **Restricted Elective Courses: 8-12 hours**

*Select four courses from the following:*

- PLSC 565 - Studies in State and Local Government 2 hrs
- PLSC 587 - Cooperative Education in Political Science 3 hrs
- PLSC 590 - Special Topics 1 hr
- PLSC 591 - Special Topics 2 hr
- PLSC 592 - Special Topics 3 hrs
- PLSC 597 - Independent Study 1 hr
- PLSC 598 - Independent Study 2 hrs
- PLSC 599 - Independent Study 3 hrs
- PLSC 604 - Foundations of the Nonprofit Sector (NEW COURSE) 3 hrs
- PLSC 605 - Leadership and Nonprofit Management 3 hrs
- PLSC 606 - Fundraising for Nonprofits 3 hrs
- PLSC 620 - Administrative Law 2 hrs
- PLSC 625 - Local Government Management 2 hrs
- PLSC 635 - Public Policy Analysis and Evaluation 2 hrs
- PLSC 640 - Modern County Government 2 hrs

- PLSC 645 - Intergovernmental Relations 2 hrs
- PLSC 650 - Urban Problems and Policy 2 hrs
- PLSC 655 - Politics of Local Planning 2 hrs
- PLSC 660 - Public Health Care Policy 2 hrs
- PLSC 665 - Basic Arbitration Training for Professionals 2 hrs
- PLSC 688 - Practicum in Public Affairs 3 hrs
- PLSC 697 - Independent Study 1 hr
- PLSC 698 - Independent Study 2 hrs
- PLSC 699 - Independent Study 3 hrs

## Concentration Courses: 8-12 hours

*Select one of the following six concentration areas:*

### I. Public Management: 8-12 hours

*Select four courses total with at least one course each from area A and area B:*

#### A.) Communication and Human Interaction

- One graduate course in CTAC selected in consultation with the M.P.A. Director.
- ECON 505 - Collective Bargaining in Public and Private Sectors 3 hrs
- EDLD 710 - Leadership Theory 3 hrs
- URP 553 - Urban and Regional Planning 2 hrs
- MGMT 625 - Management in Unionized Settings 3 hrs

#### B.) Techniques

- EDPS 660 - Grantwriting and Management 3 hrs
- GEOG 579 - Geographic Information Systems 3 hrs
- SOCL 678 - Methods in Social Program Evaluation 3 hrs
- STS 502 - Microcomputer Applications in Administration 3 hrs
- SWRK 662 - Grant Writing and Resource Development 3 hrs

### Note:

*Students concentrating in public management will be required to enroll in PLSC 625 - Local Government Management as one of their restricted electives listed above.*

### II. Health Administration: 10-12 hours

- One additional course that is complementary to the particular area of interest.
- HLAD 510 - Medical Care Organization 3 hrs
- HLAD 511 - Health Law 3 hrs
- HLAD 512 - Reimbursement for Health Care Services 3 hrs

## Note:

*Students concentrating in health administration will be required to enroll in PLSC 660 - Public Health Care Policy as one of their restricted electives listed above.*

## III. Land Planning and Development: 8-11 hours

- URP 553 - Urban and Regional Planning 2 hrs

### Three courses from the following:

- URP 555 - Comprehensive Planning 2 hrs
- URP 556 - Zoning and Land Development Regulation 2 hrs
- URP 557 - Community Development and Downtown Revitalization 3 hrs
- GEOG 570 - Rural Planning and Preservation 2 hrs
- GEOG 581 - Advanced Environmental Assessment 3 hrs
- GHPR 530 - Introduction to Historic Preservation 2 hrs
- PLSC 520 - Land Use and Preservation Law 3 hrs

## Note:

*Students concentrating in land planning and development will be required to enroll in PLSC 655 - Politics of Local Planning as one of their restricted electives listed above.*

## IV. Human Resource Administration: 12 hours

- MGMT 618 - Staffing Organizations 3 hrs
- MGMT 620 - Compensation Management 3 hrs
- MGMT 628 - Human Resource Development 3 hrs

### One course from the following:

- ECON 505 - Collective Bargaining in Public and Private Sectors 3 hrs
- MGMT 625 - Management in Unionized Settings 3 hrs

## Note:

*Students concentrating in human resource management will be required to enroll in PLSC 655 - Politics of Local Planning as one of their restricted electives listed above. PLSC 515 - Public Personnel Administration will substitute for MGMT 509 as a prerequisite for MGMT 618, MGMT 620 and MGMT 628. PLSC 610 - Public Organization Theory will substitute for MGMT 505 as a prerequisite for this concentration only.*

## V. Organization Management: 12 hours

- MGMT 602 - Theory and Techniques of Organizational Development 3 hrs

Three courses from the following:

- MGMT 613 - Leadership in Business Organizations: Theory and Practice 3 hrs
- MGMT 615 - Organization Design and Strategy 3 hrs
- MGMT 616 - Negotiation and Influence Applications for Business 3 hrs
- MGMT 628 - Human Resource Development 3 hrs
- MGMT 638 - Building Continuous Improvement Teams 3 hrs
- MGMT 648 - Communication and Organizational Development 3 hrs

Note:

*Students concentrating in organization management will be required to enroll in MGMT 505 - Organizational Theory and Behavior or PSY 565 - Industrial Psychology as a prerequisite to all courses in this concentration. MGMT 505 or PSY 565 will count as an elective in the M.P.A. curriculum.*

## VI. Nonprofit Management: 11-12 hours

- ACC 646 - Financial Management of Nonprofit Organizations 3 hrs
- LAW 603 - Legal Environment of Nonprofit Organizations 3 hrs

Two courses from the following:

- MGMT 570 - New Venture Creation 3 hrs
- MGMT 628 - Human Resource Development 3 hrs
- SWRK 662 - Grant Writing and Resource Development 3 hrs
- SWRK 663 - Supervising Staff and Volunteers 3 hrs
- SWRK 694 - Community Action Seminar 2 hrs

Note:

*Students concentrating in nonprofit management will be required to enroll in PLSC 645 - Intergovernmental Relations as an elective in the M.P.A. curriculum.*

**Program Total: 44 hours**

## Undergraduate Courses for Graduate Credit: Political Science

Undergraduate courses may be taken for graduate credit to meet program or certificate requirements with explicit approval of the MPA advisor. Students intending to register for undergraduate courses for graduate credit must receive permission before enrolling in the course; otherwise undergraduate credit will be awarded.

- PLSC 405 - British Law and Politics 3 hrs

## Political Science

### PLSC 405 - British Law and Politics

An analysis of the British Legal and Political systems as they relate to political environment; institutional design; legislative, executive, and judicial processes; political parties and pressure groups; public opinion and voting behavior; and current political problems and trends.

**Credit Hours:** 3 hrs

**Class Restrictions:** Sophomore standing

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

## **PLSC 412 - Comparative Legal Systems**

An analysis of the issues involved in comparing and contrasting legal systems around the world. Specific attention will be focused on institutional structure and sources of law examined against the historical background in which these laws and institutions were formed. Select legal systems will be compared and contrasted for illustration.

**Credit Hours:** 3 hrs

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; 06/2011

## **PLSC 431 - Theories of Public Organization**

An introduction to theories of organization as related to public bureaucracies in a democratic political context.

**Credit Hours:** 3 hrs

**Prerequisites:** PLSC 270

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

## **PLSC 456 - Criminal Law I**

A study of criminal law currently in use in the United States with emphasis upon the way its basic concepts function; its principal components and problems central to its impact upon the political system.

**Credit Hours:** 3 hrs

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

## **PLSC 462 - Russian Foreign Relations**

An examination of Russia's international relations and foreign policy from the tsarist period to the present. Particular attention is given to how Russia's turbulent domestic politics shapes its foreign policy and international behavior, Russia's contemporary international role, its relations with other post-Soviet states, and interactions with major powers, including the U.S.

**Credit Hours:** 3 hrs

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

## **PLSC 510 - Modern Public Administration**

An overview of the nature of public administration and its relation to politics and the tasks of the modern political system.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **PLSC 515 - Public Personnel Administration**

This course examines contemporary administration practices in public sector personnel management, particularly as related to the local level of government. Areas of emphasis include the collective bargaining process, discipline practices, grievance handling and arbitration preparation, affirmative action requirements and recruitment, and validation of evaluation and promotion practices.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **PLSC 520 - Land Use and Preservation Law**

A study of real property law in a political and legal context, with special emphasis on the private law devices of easement and covenants running with the land, and on the public device of zoning.

**Credit Hours:** 3 hrs

### **PLSC 540 - Public Budget Administration**

Part one of a two-semester sequence, this course examines varying approaches to public sector budgeting, the political context of budgeting decisions, and critical steps in preparing public budgets.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **PLSC 543 - Civil Rights and the African American Experience**

AAS 543/PLSC 543 Civil Rights and the African American Experience will explore the impact of race as a dominant and dynamic force that has shaped the interpretation of the Constitution and subsequent Civil Rights Acts. Students will critically examine how Black communities organized for change and how the civil rights movement contributed to American political reform.

**Credit Hours:** 3 hrs

**Cross-listed with:** STS 521

**Last Updated:** Links 05/2011

### **PLSC 550 - Ethics and Government**

This course explores the moral and ethical dimensions of government action. It seeks to enhance the capacity of professionals to practice sound ethical judgment in the exercise of administrative and public leadership roles.

**Credit Hours:** 2 hrs

### **PLSC 565 - Studies in State and Local Government**

Studies in the governmental process at the state and local levels. Focuses on current issues and problems, including the changing aspects of federalism.

**Credit Hours:** 2 hrs

### **PLSC 581 - Contemporary Problems in American Government**

Executive-legislative relationships, judicial review, the making of foreign policy, national defense, public welfare, the electoral process and the role of the citizen in American government.

**Credit Hours:** 2 hrs

### **PLSC 587 - Cooperative Education in Political Science**

Four to six months full-time employment in the public sector. The program consists of one or two directed work experiences alternating with full-time University attendance. Application of credit toward political science programs is subject to departmental approval.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **PLSC 590 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Information on content can be obtained at the department office. Not more than six hours of special topics may be used as part of a degree program.

**Credit Hours:** 1 hr

### **PLSC 591 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Information on content can be obtained at the department office. Not more than six hours of special topics may be used as part of a degree program.

**Credit Hours:** 2 hr

### **PLSC 592 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Information on content can be obtained at the department office. Not more than six hours of special topics may be used as part of a degree program.

**Credit Hours:** 3 hrs

### **PLSC 597 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **PLSC 598 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **PLSC 599 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **PLSC 604 - Foundations of the Nonprofit Sector (NEW COURSE)**

Provides grounding in the historical and philosophical foundations of the nonprofit sector in American society. Using an interdisciplinary approach, this course helps students understand the evolution and purpose of the nonprofit sector, its distinctiveness, its structure and extent, its capacities and limitations, and its challenges.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Last Updated:** New Course 05/2012, effective Fall 2012

## **PLSC 605 - Leadership and Nonprofit Management**

This course explores major issues in the nonprofit sector including operations, board selection and development, fundraising, strategic planning, marketing and governmental relations. The course emphasizes identification of critical management and leadership competencies through theory and practice.

**Credit Hours:** 3 hrs

## **PLSC 606 - Fundraising for Nonprofits**

This course provides students with an in-depth understanding of how nonprofits raise revenues, including all aspects of planning and executing a multi-faceted, completely integrated fundraising program. Using an interdisciplinary approach, the course helps students understand the process of fundraising, the characteristics and motivations of those who give, as well as the methods and techniques used to raise contributions for nonprofits.

**Credit Hours:** 3 hrs

**Prerequisites:** Completion of the introduction to public administration

**Class Restrictions:** Graduate level standing

## **PLSC 610 - Public Organization Theory**

An analysis of theories of organization in relation to government and public institutions.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission



## **PLSC 615 - Public Budget Applications**

Focuses on an assessment of budgetary alternatives, reforms and innovations in the public sector. A budgeting simulation provides interactive experience with public sector budgeting practices.

**Credit Hours:** 2 hrs

**Prerequisites:** PLSC 540 and department permission to register

**Last Updated:** Links 05/2011

## **PLSC 620 - Administrative Law**

The administrative/regulatory process in the legal context; the delegation doctrine, judicial review of the procedures and substance of administrative action.

**Credit Hours:** 2 hrs

## **PLSC 625 - Local Government Management**

Administration and political problems encountered in the management of local governments, focusing on case studies in city-manager style cities.

**Credit Hours:** 2 hrs

## **PLSC 630 - Public Bureaucracies and Policy Formation**

Focuses on the role of bureaucrats in public policy making. Examines both national and local policy making, and follows the process from agenda setting through evaluation.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **PLSC 635 - Public Policy Analysis and Evaluation**

An advanced graduate-level course dealing with current policy analysis techniques and applications, decision-making, resource allocation and impact analysis.

**Credit Hours:** 2 hrs

**Prerequisites:** PLSC 677 or other quantitative methods class recommended by the M.P.A. adviser

**Previously Listed as:** PLSC 635 - Public Policy Analysis Techniques and Applications

**Last Updated:** Title Change 02/2012, effective Fall 2012; Links 05/2011

## **PLSC 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Notes:** Credit will not apply toward degree completion.

**Terms Offered:** Offered on a credit/no-credit basis.

## **PLSC 640 - Modern County Government**

Examines the past, present and future of county government in the United States. Topics covered include the legal setting, organization and structure, intergovernmental relations, politics, finances and service capabilities of counties.

**Credit Hours:** 2 hrs

## **PLSC 645 - Intergovernmental Relations**

A study of recent trends in the American federal system. The course examines the major programs and organizational structures used to coordinate public policies at the federal, state and local levels of government. Emphasis will be placed on the concerns of local levels of government.

**Credit Hours:** 2 hrs

## **PLSC 650 - Urban Problems and Policy**

This course provides an overview of the historical development, extent and causes of selected urban problems and examines proposed policy solutions.

**Credit Hours:** 2 hrs

**Previously Listed as:** PLSC 650 - Urban Poverty Policy

**Last Updated:** Title and Description Change 02/2012, effective Fall 2012

## **PLSC 655 - Politics of Local Planning**

An examination of the political and administrative aspects of governmental planning, primarily local land-use planning. The course focuses on the political nature of planning, political conflict in the planning process and the organizational and administrative context of local government planning.

**Credit Hours:** 2 hrs

## **PLSC 660 - Public Health Care Policy**

Focuses on the governmental role in health care delivery and regulation. Follows various programs through the policy process from agenda setting to evaluation. Topical issues include cost containment and managed care.

**Credit Hours:** 2 hrs

## **PLSC 665 - Basic Arbitration Training for Professionals**

A basic introduction to the major areas of public-sector labor arbitration, focusing on arbitrability, just-cause principles and evidence. Active participation in an arbitration simulation is required.

**Credit Hours:** 2 hrs

## **PLSC 677 - Analytical Methods for Public Administration**

Introduces research design theory and methods for doing research in public and nonprofit administration. Focus is on data collection techniques – surveys, interviews, focus groups, direct observation. Requires preparation of a research proposal, which

can form the basis of a capstone project. Part one of a two-course sequence.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **PLSC 678 - Analytical Techniques for Public Administration**

Provides a comprehensive treatment of a range of quantitative techniques for public and nonprofit administration, including a rigorous examination of multiple regression analysis. This course helps students develop competencies for designing their own quantitative research and for analyzing quantitative work done by others. Part two of a two-course sequence.

**Credit Hours:** 3 hrs

**Prerequisites:** PLSC 677 and department permission

**Last Updated:** Links 05/2011

### **PLSC 679 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

### **PLSC 680 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

### **PLSC 681 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

### **PLSC 688 - Practicum in Public Affairs**

Extends classroom learning through administrative experience with public sector agencies. Includes written assignments and a seminar designed to help students relate their field experience to public administration concepts.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **PLSC 695 - Research Seminar in Public Administration**

A capstone course in the public administration curriculum, acquainting students with the major research trends and problems in the discipline. Requires from the student a substantial research project, to be reviewed by three faculty members.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission and PLSC 510, PLSC 515, PLSC 540, PLSC 610, PLSC 615, PLSC 630, PLSC 677 and PLSC 678

**Class Restrictions:** Graduate standing

**Last Updated:** Links 05/2011

### **PLSC 697 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **PLSC 698 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **PLSC 699 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

# Psychology Programs and Courses

## Psychology

### Doctorate

#### Doctor of Philosophy (Ph.D.) in Clinical Psychology (PSYD)

Adviser: Ellen Koch, Ph.D.  
316 King Hall  
734.487.0189  
ekoch1@emich.edu

##### Objectives

The purpose of the doctoral program is to graduate license-eligible clinical psychologists with state-of-the-art knowledge relating to the psychological practice of assessment, therapy, research and program development and evaluation. A primary program objective is the preparation of clinical psychologists who will be effective in supervising and managing therapists in multidisciplinary mental health care delivery systems in a diverse society. To meet these objectives, the program emphasizes fundamental scientist-practitioner skills such as practical clinical skills in assessment and treatment, and scholarly skills in designing, conducting, analyzing and disseminating research that contributes to the field of psychology. Students will acquire specialty skills needed for health care systems management that include conducting program evaluation research, demonstrating administrative/clinical management skills, developing training programs in treatment and assessment, establishing community education programs and supervising master's-level clinicians. To meet these objectives, students will be provided with opportunities to:

1. Practice assessment and treatment skills in a highly supervised environment.
2. Work with and be supervised by faculty with expertise in a variety of assessment and treatment modalities.
3. Use state-of-the-art equipment and technology employed in the field today.
4. Propose and conduct research.
5. Participate in a collegial atmosphere that is open to diverse opinions and viewpoints and prepares students to analyze the current literature critically.

##### Curriculum Design

The doctoral program is a full-time, full-residency program that is designed to be completed in five years. No part-time students will be accepted. The curriculum is designed to meet or exceed state and national guidelines for licensing and accreditation.

##### APA accreditation

The program is currently APA accredited until 2017.

##### Integration of M.S. and Ph.D. curricula

The doctoral program builds on our current M.S. programs, which offer two different clinical approaches. The Clinical Behavioral (CB) M.S. program provides training in state-of-the-art behavioral assessment and empirically validated treatment techniques, encompassing applied behavior analysis, behavior therapy, and cognitive-behavior therapy. The General Clinical (GC) M.S. program provides a multitheoretical view of psychological disorders that emphasizes assessment, diagnosis, and treatment from various perspectives. A unique feature of our doctoral program is the opportunity for students to acquire specialization in applied behavior analysis and behavior therapy and assessment, or to sample from a menu of courses from multitheoretical orientations.

Competent M.S. and Ph.D. clinicians must learn a complex of specialized assessment and treatment strategies. Our two M.S. programs concentrate on training effective therapists. Well-prepared Ph.D. clinicians need this skill-based training, as well as broad knowledge of the empirical, theoretical and philosophical underpinnings of the profession. Our doctoral program includes a series of Ph.D. seminars that serve as links between concurrently taught M.S. level courses, the Ph.D. knowledge base and prepracticum training. For each two-credit course, students are required to spend two hours per week in scholarly discussions relevant to treatment, assessment and clinical practice. The topics in the seminars directly link material taught in the M.S. courses to the skills outlined above. Most Ph.D. programs require only a first-year seminar to introduce the profession. Our program fosters strong cohort groups by continuing this dialogue throughout the program. Practicum work for the seminars will require three to five hours per week of client contact at the on-site clinic and two hours weekly in group and individual supervision. After mastering M.S.-level skills, Ph.D. students learn to train and supervise master's-level clinicians. Doctoral students also take several courses designed to teach them the skills necessary to manage, supervise and evaluate healthcare systems, including courses in organizational healthcare systems management and existing courses in the Human Resource Management (MGMT) and Health Administration departments at EMU. The curriculum is the only one of its kind in Michigan and one of very few in the nation.

### **Doctoral Fellowship**

To help ensure the success of our students in the program, every student accepted will be eligible for a full-time doctoral fellowship while enrolled in the program full time. Students will be assigned to a faculty member in their area of research interest. Students will spend 10 to 12 hours per week with that faculty member, assisting with research and teaching activities. Fellows may be asked to help with class preparations, as well as assist in data collection, preparation and analysis. The faculty members will serve as mentors to their students, training and guiding them in developing their own research plans for master's thesis and dissertation work. Students may request a specific faculty person as their mentor, and may request a change in mentor as they matriculate through the program. Every effort will be made to accommodate student requests within reason. Additionally, students complete hours in the psychology clinic during their first year for the remainder of their fellowship hours (not to exceed 20 hours per week total). Doctoral fellowships include a tuition waiver and a stipend.

### **Admission Requirements**

Admission to the program is based on the following criteria:

1. Academic ability as measured by verbal, quantitative and analytical scores on the GRE. In keeping with other Ph.D. programs in the state and with national criteria, admission requires a minimum score in the 50th percentile on the verbal and quantitative sections, and a writing section minimum score of 4.0. However, successful applicants may present much higher scores given the highly competitive nature of clinical doctoral programs. Applicants are not required to take the GRE Advanced Psychology Test.
2. Achievement in undergraduate or graduate work. Admission requires a minimum standard of a 3.0 on a 4.0 scale undergraduate GPA. Again, successful applicants typically present much higher GPAs. Emphasis is placed on the GPA in psychology and in the last two undergraduate years. Students may be admitted with either a bachelor's or a master's degree. We will consider where students obtained their degrees, how recently course work was completed and what clinical work they have pursued since obtaining their degree. Course requirements will be determined on a case-by-case basis.
3. Academic background in psychology. Applicants must have completed a minimum of 20 semester hours in psychology, including a course in statistics and a laboratory course in research methods/experimental psychology.
4. Personal qualities that predict success in graduate study and in professional placement after graduation. To evaluate these, each applicant must submit three letters of recommendation and complete a personal interview after an initial screening.
5. Fit between applicant and faculty interests. A personal statement is required describing the applicant's interests. We will be particularly interested in students who have had research and/or clinical experiences similar to those of our faculty.

### **Steps for Admission**

*Send to Office of Graduate Admissions, P.O. Box 970, Ypsilanti, MI 48197:*

1. Graduate Admission application (white form) and \$30 application fee.  
Application for Graduate Admission can also be made online at the following link; the application fee for online applications is \$25. Once the application for graduate admission is submitted, completed, and approved, a form will be generated that will allow your department application to be reviewed.
2. Official transcripts of all education beyond high school.
3. Official GRE results, including Verbal, Quantitative, and Writing scores as well as the Advanced Psychology Exam score if taken.
4. If required, submit evidence of English language proficiency as demonstrated by official test scores on the TOEFL, TWE, or MELAB.

**These steps must be completed, all admissions requirements met, and you must be accepted for graduate admission before your department application will be reviewed.**

*If applying electronically, send directly via email to psy.grad@emich.edu (with the exception of letters of recommendation) or mail to address below:*

1. Department application (available online - see Psychology department website).
2. A current vita (can be submitted through online application).
3. A writing sample that demonstrates scholarly ability (typically a research paper; can be submitted through online application).
4. Three letters of recommendation - to be sent separately by the recommender following the instructions on Letter of Reference form.

**Do not send official transcripts and GRE's to the department.**

Completed applications, including Graduation Record Examination (GRE) scores, letters of recommendation, and transcripts, must be received by December 1 for consideration. If the first falls on a weekend, materials will be accepted the next business day only. Applicants will be notified by March 15 if an interview is warranted. In accordance with APA guidelines, acceptance notices will be made by April 1.

Graduate Secretary  
Department of Psychology  
Eastern Michigan University  
311 King Hall  
Ypsilanti, MI 48197

*Eastern Michigan University and the Psychology Department reserve the right to change any statement in this program concerning, but not limited to, rules, policies, tuition, fees, curricula, and courses.*

## Program Requirements: 90 hours

The Clinical Doctoral program requires the completion of 90 graduate credit hours. The master's degree is earned en route to the doctoral degree. Students in the doctoral program must complete a master's thesis. Students may choose courses that are required for Board Certification in Behavior Analysis (BCBA). Students will specialize in Healthcare Systems Management; there is no cognate or minor requirement. Students must obtain a B or better in all courses.

## Assessment: 8 hours

- \* PSY 762 - Cognitive Assessment 4 hrs

## Restricted Elective Courses: 4 hours

*One course from the following:*

- \* PSY 619 - Behavioral Assessment 3 hrs  
with
- \* PSY 641 - Prepracticum in Behavioral Assessment 1 hr
- PSY 770 - Self-Report Assessment of Personality 4 hrs
- PSY 771 - Performance-Based Assessment of Personality 4 hrs

## Treatment: 8 hours

*One course from the following:*

See footnote below

- PSY 625 - Clinical Behavior Analysis 3 hrs  
with
- PSY 661 - Prepracticum in Clinical Behavior Analysis 1 hr
- PSY 627 - Behavioral and Other Evidence- Based Psychotherapies 3 hrs  
with
- PSY 671 - Practicum in Behavioral and Other Evidence-Based Psychotherapies 1 hr
- PSY 751 - Interpersonal Processes in Psychotherapy 3 hrs  
with
- PSY 731 - Prepracticum in Interpersonal Processes in Psychotherapy 1 hr

## Restricted Elective Courses: 4 hours

*One course and its prepracticum from the following or a second course from the above required treatment section:*

- PSY 630 - Behavioral Medicine 3 hrs  
with
- PSY 621 - Prepracticum in Behavioral Medicine 1 hr
- PSY 720 - Child and Family Therapy 3 hrs  
with
- PSY 791 - Prepracticum in Child and Family Therapy 1 hr

Students are required to take one additional Assessment or Treatment course for a total of 20 credit hours.

## Individual Differences: 9-10 hours

- PSY 640 - Developmental Psychology 3 hrs
- \* PSY 743 - Psychopathology 3 hrs



## Restricted Elective Courses: 3-4 hours

- \* PSY 623 - Experimental Analysis of Behavior 3 hrs  
with
- \* PSY 651 - Prepracticum in Experimental Analysis of Behavior 1 hr
- PSY 646 - Personality: Theory and Research 3 hrs

## Cognitive-Affective Bases of Behavior: 3 hours

*One course from the following:*

- \* PSY 620 - Learning 3 hrs
- PSY 626 - Motivation and Emotion 3 hrs
- PSY 635 - Cognitive and Affective Processes of Behavior 3 hrs

## Biological Bases of Behavior: 3 hours

*One course from the following:*

- PSY 610 - Clinical Neuropsychology 3 hrs
- PSY 629 - Physiological Psychology 3 hrs
- PSY 632 - Sensation and Perception 3 hrs

## Social Bases of Behavior: 3 hours

- PSY 637 - Social Psychology 3 hrs

## Research: 16 or more hours

- PSY 600 - Psychological Statistics I 3 hrs
- PSY 601 - Psychological Statistics II 3 hrs
- PSY 605 - Research Design 3 hrs
- PSY 690 - Thesis 1 hr
- PSY 691 - Thesis 2 hrs
- PSY 692 - Thesis 3 hrs
- PSY 896 - Dissertation 1 hr
- PSY 897 - Dissertation 2 hrs
- PSY 898 - Dissertation 4 hrs
- PSY 899 - Dissertation 8 hrs

## Professional Practice/Teaching: 15 hours

- PSY 670 - Scientific and Professional Ethics 3 hrs
- PSY 777 - Advanced History and Systems of Psychology 3 hrs
- PSY 807 - Methods of Teaching in Psychology 2 hrs
- PSY 888 - Diversity Issues in Clinical Populations 3 hrs

- PSY 894 - Doctoral Clinical Internship 1 hr  
(Must be repeated for a total of 4 credits)

## Practicum: 4 hours

- PSY 683 - Field Practicum with Seminar 2 hrs each
- PSY 684 - Field Practicum with Seminar 2 hrs each

## Doctoral Seminars and Doctoral Prepractica: 6 hours

- PSY 881 - Doctoral Seminar I: Assessment and Diagnosis 2 hrs
- PSY 882 - Doctoral Seminar II: Assessment and Treatment 2 hrs
- PSY 885 - Models and Methods of Service Delivery and Supervision 2 hrs

## Health Care Systems: 9 hours

- PSY 703 - Clinical Organizational Management 3 hrs

## Two courses from the following:

- HLAD 510 - Medical Care Organization 3 hrs
- HLAD 511 - Health Law 3 hrs
- HLAD 512 - Reimbursement for Health Care Services 3 hrs
- HLAD 520 - Healthcare Management Theory 3 hrs
- HLAD 523 - Medical Practice Management Care 3 hrs
- MGMT 505 - Organizational Theory and Behavior 3 hrs
- MGMT 509 - Strategic Human Resource Management 3 hrs
- MGMT 570 - New Venture Creation 3 hrs
- MGMT 602 - Theory and Techniques of Organizational Development 3 hrs
- MGMT 603 - Corporate Entrepreneurship: Innovation and Technology Commercialization 3 hrs
- MGMT 614 - Growth Strategies for Entrepreneurial Ventures 3 hrs
- MGMT 615 - Organization Design and Strategy 3 hrs
- MGMT 618 - Staffing Organizations 3 hrs
- MGMT 628 - Human Resource Development 3 hrs
- MGMT 636 - Current Topics in Entrepreneurship 3 hrs
- MGMT 638 - Building Continuous Improvement Teams 3 hrs
- MGMT 648 - Communication and Organizational Development 3 hrs
- PSY 705 - Clinical Ecological Psychology 3 hrs
- PSY 801 - Program Evaluation in Clinical Psychology 3 hrs

## Other Program Requirements

1. Master's Prepracticum: 200-300 hours (onsite; taken in conjunction with master's courses).
2. Doctoral Prepracticum: 120-150 hours first year (onsite; approximately five hours per week for one year; students answer phones, do intakes, and do some clerical work. The doctoral prepracticum is part of 20 hour per week doctoral assistantship).

3. Internal Practicum: 500 hours for one year and 150-200 per year for next two years (onsite); starting Spring of first year, doctoral students begin to see 1-2 clients at the clinic along with telephone duty. Fall and Winter of second year, students see 4-6 clients.
4. External Practicum: a minimum of one 500 hour practicum (although 1,000 hours is recommended for successful internship placement) is conducted offsite (externship). Ph.D. students typically complete 1,000 hours, working 20 hours per week for one year.
5. Qualifying paper (completed after third year in program).
6. M.S. clinical supervision and undergraduate teaching (in third and fourth years of program); fourth years prepare two educational workshops for first-year students for spring.
7. Clinical Predoctoral Internship (2,000 hours).

Program Total: 90 hours

## **Master's**

### **Master of Science in Psychology (Clinical Behavioral) (PSYB)**

# **Revised Graduate Program, Effective Winter 2013**

Adviser:

Tamara Loverich, Ph.D.

341H Science Complex  
734.487.1155  
tpenix@emich.edu

This program prepares students for professional practice of psychology as limited license psychologists in Michigan, typically in such institutional settings as community mental health centers and private and public clinics and agencies, under the supervision of doctoral-level psychologists. Students develop a wide range of behaviorally oriented skills for assessment and treatment, such as functional analysis, relaxation training, stress management and family intervention. The program stresses competency skills for employment as a master's-level psychologist in community mental health centers, out-patient clinics, private agencies, substance abuse programs, state agencies for persons with mental illness or developmental disabilities, traumatic brain injury centers and agencies for family and children. Students take courses that meet requirements for Board Certification in Behavior Analysis (BCBA). Graduates may also pursue advanced training at the doctoral level.

#### **Objectives**

1. To provide preparation for diverse employment opportunities in behavior therapy and applied behavior analysis.
2. To prepare students to meet state requirements for licensing master's level psychologists.
3. To emphasize treatment skills.
4. To offer opportunity for basic and applied research.

5. To provide preparation for doctoral work.
6. To enable program completion by night attendance only, or in two years for full-time students.

### **Admission Requirements**

Priority consideration will be given to applicants who meet all of the requirements for graduate degree admission status listed below:

1. Meet the Graduate School admission requirements;
2. Complete the Graduate School application (on-line or paper copy available);
3. Complete a Department application (available on the department website);
4. Have an undergraduate GPA of approximately 3.0 or better on a 4.0 scale;
5. Have at least 20 hours of credit in psychology, including statistics and experimental psychology;
6. Submit a transcript of GRE scores in which the sum of the scores for the verbal and quantitative sections is approximately 1000 or higher; and
7. Present two letters of recommendation from employers or others who can testify to the applicant's suitability for the program of study.

Incomplete applications may not be considered. Credits earned under non-degree student status do not automatically apply to the requirements of the degree program.

Applications should be submitted to the Office of Admissions as stipulated in this catalog. A copy of the application should also be mailed directly to the Department of Psychology.

There are no admissions to degree programs in the spring and summer sessions. After the admission quota for the program has been met, students will be placed on a waiting list, which does not guarantee admission unless spaces become available.

## **Course Requirements**

The M.S. in Psychology (Clinical Behavioral) requires the completion of 45 hours of course work to be distributed among required core courses, assessment (evaluation) courses, treatment (intervention) courses, practicum courses, elective courses and cognate courses as follows:

### **Area of Concentration: 28 hours**

- PSY 600 - Psychological Statistics I 3 hrs
- PSY 619 - Behavioral Assessment 3 hrs  
(Requires a corequisite of PSY 641)
- PSY 620 - Learning 3 hrs
- PSY 623 - Experimental Analysis of Behavior 3 hrs  
(Requires a corequisite of PSY 651)
- PSY 625 - Clinical Behavior Analysis 3 hrs  
(Requires a corequisite of PSY 661)
- PSY 627 - Behavioral and Other Evidence- Based Psychotherapies 3 hrs  
(Requires a corequisite of PSY 671)
- PSY 643 - Behavioral Psychopathology 3 hrs
- PSY 670 - Scientific and Professional Ethics 3 hrs

- PSY 762 - Cognitive Assessment 4 hrs

## Elective Courses: 10 hours

*Ten hours selected from psychology courses within the department in consultation with the graduate adviser. The department suggests but does not require the following courses:*

- PSY 630 - Behavioral Medicine 3 hrs  
(Requires a corequisite of PSY 621)
- PSY 685 - Developing Master's Thesis 2 hrs
- PSY 720 - Child and Family Therapy 3 hrs

## Practicum: 8 hours

- PSY 641 - Prepracticum in Behavioral Assessment 1 hr
- PSY 651 - Prepracticum in Experimental Analysis of Behavior 1 hr
- PSY 661 - Prepracticum in Clinical Behavior Analysis 1 hr
- PSY 671 - Practicum in Behavioral and Other Evidence-Based Psychotherapies 1 hr
- PSY 683 - Field Practicum with Seminar 2 hrs each
- PSY 684 - Field Practicum with Seminar 2 hrs each

## Program Total: 46 hours

### Practicum:

*Students are required to complete a 500 hour practicum experience.*

### Note:

*\* Students admitted to the clinical behavioral program must achieve a minimum grade of B in each of the following courses: PSY 619, PSY 620, PSY 623, PSY 625 and PSY 627, as well as PSY 641, PSY 651, PSY 661, PSY 671, PSY 683 and PSY 684. A student who receives a grade lower than B in any of these courses may elect to repeat the class in order to meet graduation requirements.*

## Master of Science in Psychology (General Clinical) (PSYC)

For general program advising:  
Carol Freedman-Doan, Ph.D  
341 Mark Jefferson Science Complex  
734.487.1155  
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For admissions advising:  
Karen Saules, Ph.D.  
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### Objectives

The General Clinical Masters' program provides a theoretical perspective in clinical psychology that emphasizes intra- and interpersonal processes of human functioning within a developmental context. Coursework and clinical training on psychological

disorders, assessment, diagnosis, and treatment occurs from this perspective, through opportunities for training from other perspectives are available for interested students. The purpose of the General Clinical Masters' Program is twofold: For all students. the program is designed to prepare individuals to apply for "limited license" and to practice as a Michigan Limited License Psychologist.

### **Admission Requirements**

Priority consideration will be given to applicants who meet all of the requirements for graduate degree admission status listed below:

1. Meet the Graduate School admission requirements;
2. Complete the Graduate School application (on line or paper copy available);
3. Complete a Department application (available on the department website);
4. Have an undergraduate GPA of approximately 3.0 or better on a 4.0 scale;
5. Have at least 20 hours in psychology, including statistics and experimental psychology;
6. Submit a transcript of GRE scores in which the sum of the scores for the verbal and quantitative sections is approximately 1000 or higher; and
7. Present two letters of recommendation from faculty, employers or others who can testify to the applicant's suitability for the program of study.

Incomplete applications may not be considered. Credits earned under non-degree student status do not automatically apply to the requirements of the degree program.

Applications should be submitted to the Office of Admissions as stipulated in this catalog. A copy of the application should also be mailed directly to the Department of Psychology.

There are no admissions to degree programs in the spring and summer sessions. After the admission quota for the program has been met, students will be placed on a waiting list, which does not guarantee admission unless spaces become available.

## **Course Requirements: 45 hours**

The M.S. in Psychology (General Clinical) requires the completion of 45 hours of course work to be distributed among required core courses, assessment courses, professional practice/treatment courses, practicum courses, elective courses and cognate courses as follows:

### **Area of Concentration: 27-28 hours**

- PSY 600 - Psychological Statistics I 3 hrs
- PSY 640 - Developmental Psychology 3 hrs
- PSY 646 - Personality: Theory and Research 3 hrs
- PSY 670 - Scientific and Professional Ethics 3 hrs
- PSY 743 - Psychopathology 3 hrs
  
- PSY 751 - Interpersonal Processes in Psychotherapy 3 hrs  
and
- PSY 731 - Prepracticum in Interpersonal Processes in Psychotherapy 1 hr

- PSY 791 - Prepracticum in Child and Family Therapy 1 hr
- PSY 720 - Child and Family Therapy 3 hrs
- PSY 683 - Field Practicum with Seminar 2 hrs each
- PSY 684 - Field Practicum with Seminar 2 hrs each
- PSY 762 - Cognitive Assessment 4 hrs
- PSY 770 - Self-Report Assessment of Personality 4 hrs
- PSY 771 - Performance-Based Assessment of Personality 4 hrs

## Elective Courses: 17-18 hours

*17-18 hours selected from psychology courses within the department in consultation with the graduate adviser.*

## Practicum:

*Students are required to complete a 600 hour practicum experience.*

## Program Total: 45 hours

## Note:

*\* Students admitted to the general clinical program must achieve a minimum grade of B in each of the following courses: PSY 731, PSY 743, PSY 751 and PSY 762. A student who receives a grade lower than B in any of these courses may elect to repeat the class in order to meet graduation requirements.*

# Master of Science in Psychology (General Experimental) (PSY)

Adviser: Natalie Dove, Ph.D.  
319 King  
734.487.3782  
ndove@emich.edu

### Objectives

The curriculum produces master's-level psychologists with general knowledge of psychology in various content areas, research methodologies and theoretical formulations. Based on a "mentor model," the program of study, progress, training and thesis are supervised by one or more faculty members. The general program does not prepare or qualify the student for a license in the State of Michigan as a clinical psychologist. It accommodates students preparing for doctoral programs or seeking career advancement in a basic or applied research area.

### Admission Requirements

Priority consideration will be given to applicants who meet all of the requirements for graduate degree admission status listed below:

1. Meet the Graduate School admission requirements;
2. Complete the Graduate School application (online or paper copy available);
3. Complete an Application Supplement Form (available on the department website);

4. Have an undergraduate GPA of approximately 3.0 or better on a 4.0 scale;
5. Have at least 20 hours in psychology, including statistics and experimental psychology;
6. Submit a transcript of GRE scores in which the sum of the scores for the verbal and quantitative sections is approximately 1,000 or higher;
7. Present two letters of recommendation from employers or others who can testify to the applicant's suitability for the program of study; and
8. Submit a written account of their academic and professional history and professional goals.

Incomplete applications may not be considered. Credits earned under non-degree student status do not automatically apply to the requirements of the degree program.

Applications should be submitted to the Office of Admissions as stipulated in this catalog. A copy of the application should also be mailed directly to the Department of Psychology.

There are no admissions to degree programs in the spring and summer sessions. After the admission quota for the program has been met, students will be placed on a waiting list, which does not guarantee admission unless spaces become available.

## Course Requirements: 30 hours

The M.S. in Psychology (General Experimental) requires 30 graduate hours, with at least 24 in psychology. All students who apply should seek a faculty adviser, or mentor, to act as their sponsor. Students uncertain about a mentor choice, or applying from another campus and unfamiliar with the faculty, may be assigned a temporary mentor by the coordinator of the program. The program is highly individualized and the mentor supervises the student's training, research and master's thesis. Should a student's interests change, a new mentor may be selected with approval from both faculty members and the general experimental program coordinator.

## Required Core Courses: 12 hours

- PSY 600 - Psychological Statistics I 3 hrs
- PSY 620 - Learning 3 hrs
- PSY 646 - Personality: Theory and Research 3 hrs
- PSY 692 - Thesis 3 hrs

## Restricted Elective Courses: 6 hours

*Two courses from the following:*

- PSY 601 - Psychological Statistics II 3 hrs
- PSY 605 - Research Design 3 hrs
- PSY 623 - Experimental Analysis of Behavior 3 hrs
- PSY 626 - Motivation and Emotion 3 hrs
- PSY 629 - Physiological Psychology 3 hrs
- PSY 632 - Sensation and Perception 3 hrs
- PSY 635 - Cognitive and Affective Processes of Behavior 3 hrs
- PSY 637 - Social Psychology 3 hrs
- PSY 640 - Developmental Psychology 3 hrs
- PSY 651 - Practicum in Experimental Analysis of Behavior 1 hr



## Elective Courses: 6-12 hours

*Six to 12 hours of psychology courses selected within the department in consultation with the graduate adviser.*

## Cognate Courses: 0-6 hours

*Zero to six hours selected from outside the department in consultation with the graduate adviser.*

## Program Total: 30 hours

## Psychology

### PSY 520 - Coping with Problem Behavior

The application of psychological principles of learning to school (and school-related) problem behaviors. Emphasis is on procedures that can be implemented with minimal cost by classroom teachers, principals and other school-related personnel.

**Credit Hours:** 2 hrs

**Major Restrictions:** PSY, PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** 7/12/2011

### PSY 528 - The Psychology of Stress and Relaxation

An overview of major stress theories, personal and professional application of relaxation and stress prevention techniques, and exploration of therapeutic and community efforts designed to deal with stress-related problems.

**Credit Hours:** 3 hrs

**Prerequisites:** One course in psychology

**Major Restrictions:** PSY, PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** 7/12/2011

### PSY 532 - Psychology of Adolescence

Physical, intellectual, emotional and social development from puberty to adulthood with emphasis on the significance for teachers and others interested in youth.

**Credit Hours:** 2 hrs

**Prerequisites:** One course in psychology

**Major Restrictions:** PSY, PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** 7/12/2011

### PSY 540 - Psychology of Adjustment

Issues, concepts, principles and theories in human adjustment.

**Credit Hours:** 2 hrs

**Prerequisites:** One course in psychology

**Major Restrictions:** PSY, PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** 7/12/2011

## **PSY 542 - Women and Mental Health**

Focus on theory and research concerning women's responses to life stresses, women as clients in psychotherapy and the role of the female mental health professional.

**Credit Hours:** 2 hrs

**Prerequisites:** One course in psychology.

**Major Restrictions:** PSY, PSYB, PSYC, PSYD, or departmental permission

**Cross-listed with:** WGST 542

**Last Updated:** 7/12/2011

## **PSY 543 - Abnormal Psychology**

Behavior pathologies of children and adults, including symptom origins and methods of treatment. Not open to students who hold credit in PSY360 Abnormal Psychology.

**Credit Hours:** 2 hrs

**Prerequisites:** One course in psychology

**Major Restrictions:** PSY, PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** 7/12/2011

## **PSY 550 - Dynamics of Human Behavior**

The determinants of behavior and personality, with emphasis on the physiological, psychological and cultural bases.

**Credit Hours:** 2 hrs

**Prerequisites:** One course in psychology

**Major Restrictions:** PSY, PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** 7/12/2011

## **PSY 551 - Psychology of Death and Dying**

Study of attitudes toward, theories about, and empirical data concerning human mortality and suicide and its relevance to life adjustment, aging, religion and other areas.

**Credit Hours:** 2 hrs

**Prerequisites:** PSY 101 or equivalent

**Major Restrictions:** PSY, PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** Major Restrictions 07/2011; Prerequisites 07/2011; Links 05/2011

## **PSY 552 - Theories of Personality**

Major theories of personality including Freud, Jung, Adler, Rank, Sullivan, Kelly and holistic and learning theorists.

**Credit Hours:** 2 hrs

**Prerequisites:** One course in psychology

**Major Restrictions:** PSY, PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** 7/12/2011

## **PSY 565 - Industrial Psychology**

Psychological principles, theories and methodology applied to behavior in industrial settings. Not open to students who have credit in PSY351 Industrial Psychology.

**Credit Hours:** 2 hrs

**Prerequisites:** One course in psychology

**Major Restrictions:** PSY, PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** 7/12/2011

## **PSY 570 - Consumer Psychology**

A survey of psychological principles, theories and methodology relating to consumer behavior.

**Credit Hours:** 2 hrs

**Prerequisites:** One course in psychology

**Major Restrictions:** PSY, PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** 7/12/2011

## **PSY 590 - Special Topics**

Course content will consist of new topics in psychology taught on an experimental basis, thus changing from one semester to the next. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Major Restrictions:** PSY, PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** 7/12/2011

## **PSY 591 - Special Topics**

Course content will consist of new topics in psychology taught on an experimental basis, thus changing from one semester to the next. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Major Restrictions:** PSY, PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** 7/12/2011

## **PSY 592 - Special Topics**

Course content will consist of new topics in psychology taught on an experimental basis, thus changing from one semester to the next. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Major Restrictions:** PSY, PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** 7/12/2011

## **PSY 595 - Workshop in the Scientific Approach to Problem Solving**

The scientific approach to the solving of problems; the application of psychological principles.

**Credit Hours:** 2 hrs

**Prerequisites:** One course in psychology

**Major Restrictions:** PSY, PSYB, PSYC, PSYD, or departmental permission  
**Last Updated:** 7/12/2011

### **PSY 597 - Individual Reading**

Supervised reading of psychological literature to provide in-depth understanding of a selected psychological problem.

**Credit Hours:** 1 hr

**Prerequisites:** one course orienting student to the problem area

**Major Restrictions:** Departmental Permission

**Last Updated:** 7/12/2011

### **PSY 598 - Individual Reading**

Supervised reading of psychological literature to provide in-depth understanding of a selected psychological problem.

**Credit Hours:** 2 hrs

**Prerequisites:** one course orienting student to the problem area

**Major Restrictions:** Departmental Permission

**Last Updated:** 7/12/2011

### **PSY 599 - Individual Reading**

Supervised reading of psychological literature to provide in-depth understanding of a selected psychological problem.

**Credit Hours:** 3 hrs

**Prerequisites:** one course orienting student to the problem area

**Major Restrictions:** Departmental Permission

**Last Updated:** 7/12/2011

### **PSY 600 - Psychological Statistics I**

A study of statistical techniques including small-sample theory, analysis of variance and nonparametric statistics.

**Credit Hours:** 3 hrs

**Major Restrictions:** PSY, PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** 7/12/2011

### **PSY 601 - Psychological Statistics II**

More complex analysis of variance models plus various correlational procedures.

**Credit Hours:** 3 hrs

**Prerequisites:** PSY 600

**Major Restrictions:** PSY, PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** Major Restriction 07/2011; Links 05/2011

### **PSY 605 - Research Design**

Research methods and analysis of data.

**Credit Hours:** 3 hrs  
**Major Restrictions:** PSY, PSYB, PSYC, PSYD, or departmental permission  
**Last Updated:** 7/12/2011

## **PSY 610 - Clinical Neuropsychology**

Study of methodology, research and clinical application of clinical neuropsychological principles. Includes demonstration of neuropsychological assessment test instruments.

**Credit Hours:** 3 hrs  
**Class Restrictions:** Graduate standing  
**Major Restrictions:** PSY, PSYB, PSYC, PSYD, or departmental permission  
**Last Updated:** 7/12/2011

## **PSY 611 - Treatment Course Prepracticum**

This course provides an applied treatment experience to accompany a therapy course.

**Credit Hours:** 1 hr  
**Corequisites:** a treatment course  
**Major Restrictions:** Yes, PSYD, PSYC, PSYB  
**Repeatable:** Yes  
**Last Updated:** New Course 11/2012, effective Winter 2013

## **PSY 619 - Behavioral Assessment**

A behavioral approach to measuring and analyzing personality using standardized tests and behavioral observation techniques; multiple test administration, scoring and evaluation experience are included.

**Credit Hours:** 3 hrs  
**Concurrent Prerequisites:** PSY 641  
**Major Restrictions:** PSYB, PSYC, PSYD, or departmental permission  
**Last Updated:** Major Restrictions 07/2011; Links 05/2011

## **PSY 620 - Learning**

Research methods, experimental findings and theories of learning.

**Credit Hours:** 3 hrs  
**Major Restrictions:** PSY, PSYB, PSYC, PSYD, or departmental permission  
**Last Updated:** 7/12/2011

## **PSY 621 - Prepracticum in Behavioral Medicine**

Students rehearse behavioral assessment and intervention skills applied to problems associated with medical treatment, illness prevention, and coping with secondary effects of medical conditions and treatment.

**Credit Hours:** 1 hr  
**Concurrent Prerequisites:** PSY 630  
**Major Restrictions:** PSYB, PSYC, PSYD, or departmental permission  
**Last Updated:** Major Restriction 07/2011; Links 05/2011

## **PSY 623 - Experimental Analysis of Behavior**

The principles and parameters of respondent and operant conditioning and their application. Lecture and laboratory.

**Credit Hours:** 3 hrs

**Concurrent Prerequisites:** PSY 651

**Major Restrictions:** PSY, PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** Major Restrictions 07/2011; Links 05/2011

## **PSY 625 - Clinical Behavior Analysis**

Introduce theory, research and practical information relating to issues, techniques and implementation of treatments based on applied behavior analysis for psychological problems. *Concurrent registration with PSY 661 is required.*

**Credit Hours:** 3 hrs

**Prerequisites:** PSY 619 or PSY 620 or Instructor Permission

**Corequisites:** PSY 661

**Major Restrictions:** PSYB, PSYC, PSYD, or departmental permission

**Previously Listed as:** PSY 625 Behavior Change Methods: Applied Behavior Analysis

**Last Updated:** Title and Prereq change 11/2012, effective Winter 2013; Major Restrictions 07/2011; Links 05/2011

## **PSY 626 - Motivation and Emotion**

A review of major findings, theories and recent research developments in the areas of motivation and emotion.

**Credit Hours:** 3 hrs

**Prerequisites:** PSY, PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** 7/18/2011

## **PSY 627 - Behavioral and Other Evidence- Based Psychotherapies**

Introduces theory, research, and technique relating to implementation of evidence-based treatments for psychological problems, focusing on efficacious and probably efficacious interventions as classified by the Society of Clinical Psychology's Task Force on Psychological Interventions. *Concurrent registration in PSY 671 required.*

**Credit Hours:** 3 hrs

**Prerequisites:** PSY 751/PSY 731 or PSY 625/PSY 661 or PSY 619/PSY 641 or PSY 620

**Corequisites:** PSY 671

**Major Restrictions:** PSYB, PSYC, PSYD, or departmental permission

**Previously Listed as:** PSY 627 Behavior Change Methods II: Behavior Therapy

**Last Updated:** Title and prereq change 11/2012, effective Winter 2013; Major Restrictions 07/2011; Links 05/2011

## **PSY 628 - Behavioral Interventions with Children and Families**

Covers empirical, conceptual and practical issues related to the development and implementation of clinical behavioral treatment strategies as applied to behavior problems encountered in children and family systems.

**Credit Hours:** 3 hrs

**Prerequisites:** PSY 619, PSY 620

**Concurrent Prerequisites:** PSY 631

**Major Restrictions:** PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** Major Restrictions 07/2011; Links 05/2011

## **PSY 629 - Physiological Psychology**

An examination of physiological processes and their relationships to behavior.

**Credit Hours:** 3 hrs

**Major Restrictions:** PSY, PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** 7/18/2011

## **PSY 630 - Behavioral Medicine**

Study of the application of behavioral science theory, principles and methods to understanding health and illness and to prevention, diagnosis, treatment, rehabilitation and health care delivery.

**Credit Hours:** 3 hrs

**Concurrent Prerequisites:** PSY 621

**Major Restrictions:** PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** Major Restrictions 07/2011; Links 05/2011

## **PSY 631 - Prepracticum in Behavioral Interventions with Children and Families**

Development and implementation of clinical behavioral treatment strategies as applied to children and family systems will be conducted in a field setting. Two hours of field work are required each week.

**Credit Hours:** 1 hr

**Prerequisites:** PSY 619, PSY 620

**Concurrent Prerequisites:** PSY 628

**Major Restrictions:** PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** Major Restrictions 07/2011; Links 05/2011

## **PSY 632 - Sensation and Perception**

A review of research and theory dealing with sensory experience and perception.

**Credit Hours:** 3 hrs

**Major Restrictions:** PSY, PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** 7/18/2011

## **PSY 633 - Cognitive Neuroscience**

This class is designed to instruct students to understand the mind-brain relationship using cognitive neuroscience approach. An emphasis will be placed on an exploration of neuroscience methodologies (e.g. fMRI, MRI, PET, and ERPs) to illuminate an understanding of the processes of perception, attention, emotion, memory, language, executive functioning.

**Credit Hours:** 3 hrs

**Major Restrictions:** PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** New Course 11/2012, effective Winter 2013

## **PSY 635 - Cognitive and Affective Processes of Behavior**

Broad and general training in relation to cognitive and affective processes and how they impact behavior. This course provides and overview of the current research and theories related to cognitive science (including acquisition, storage, manipulation, and use of information) and the study of emotions.

**Credit Hours:** 3 hrs

**Major Restrictions:** PSY, PSYB, PSYC, PSYD, or departmental permission

**Previously Listed as:** PSY 635 Cognitive Processes

**Last Updated:** title and description change 11/2012, effective Winter 2013; 7/18/2011

## **PSY 637 - Social Psychology**

The study of the processes underlying social interaction and behavior in social contexts.

**Credit Hours:** 3 hrs

**Major Restrictions:** PSY, PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** 7/18/2011

## **PSY 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources.

**Credit Hours:** 1 hr

**Major Restrictions:** PSY, PSYB, PSYC, PSYD, or departmental permission

**Notes:** Credit will not apply toward degree completion.

**Terms Offered:** Offered on a credit/no-credit basis.

**Last Updated:** 07/2011

## **PSY 640 - Developmental Psychology**

Biological, intellectual, social and emotional changes through the life span. Major concepts and problems related to developmental stages of life.

**Credit Hours:** 3 hrs

**Major Restrictions:** PSY, PSYB, PYSC, PSYD, or departmental permission

**Last Updated:** 07/2011

## **PSY 641 - Prepracticum in Behavioral Assessment**

Methods for measuring and analyzing behavior will be carried out in applied setting. Two hours of fieldwork are required each week.

**Credit Hours:** 1 hr

**Concurrent Prerequisites:** PSY 619

**Major Restrictions:** PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** Major Restrictions 07/2011; Links 05/2011

## **PSY 643 - Behavioral Psychopathology**



Examines conceptualization, classifications, categories and presentations of mental illness and problem behaviors with emphases on current research, social and ethical consideration from functional and syndromal perspectives.

**Credit Hours:** 3 hrs

**Major Restrictions:** PSYB, PSYC, or departmental permission

**Equivalent Courses:** PSY 743 - Psychopathology

**Last Updated:** New Course 11/2012, effective Winter 2013

## **PSY 646 - Personality: Theory and Research**

Advanced study of concepts and empirical research in personality.

**Credit Hours:** 3 hrs

**Major Restrictions:** PSY, PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** 07/2011

## **PSY 651 - Prepracticum in Experimental Analysis of Behavior**

Research that involves the experimental analysis of behavior will be conducted two hours each week in laboratory or field setting.

**Credit Hours:** 1 hr

**Concurrent Prerequisites:** PSY 623

**Major Restrictions:** PSY, PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** Major Restrictions 07/2011; Links 05/2011

## **PSY 661 - Prepracticum in Clinical Behavior Analysis**

Single casework using techniques of applied behavior analysis will be carried out under supervision with volunteers interested in changing unwanted behavior or establishing new functional behavior. Concurrent registration in PSY 625 required.

**Credit Hours:** 1 hr

**Prerequisites:** PSY 619 or PSY 620 or Instructor Permission

**Corequisites:** PSY 625

**Major Restrictions:** PSYB, PSYC, PSYD, or departmental permission

**Previously Listed as:** PSY 661 Prepracticum in Applied Behavior Analysis

**Last Updated:** title and prereq change 11/2012, effective Winter 2013; Major Restrictions 07/2011; Links 05/2011

## **PSY 670 - Scientific and Professional Ethics**

Guidelines and commonly shared ethical principles for psychologists are taught through case study, lecture and group discussion. The importance of following ethical guidelines along with consequences for noncompliance are stressed.

**Credit Hours:** 3 hrs

**Major Restrictions:** PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** 07/2011

## **PSY 671 - Practicum in Behavioral and Other Evidence-Based Psychotherapies**

Weekly one-hour training workshops will review theoretical and empirical foundations of evidence-based therapeutic techniques and provide demonstrations and supervised role-play rehearsal thereof. Specifically, interventions covered will be based on the

Society of Clinical Psychology's Task Force on Psychological Interventions classified as efficacious and probably efficacious.  
*Concurrent registration in PSY 627 required.*

**Credit Hours:** 1 hr

**Prerequisites:** PSY 751/PSY 731 or PSY 625/PSY 661 or PSY 619 /PSY 641 or PSY 620

**Corequisites:** PSY 627

**Major Restrictions:** PSYB, PSYC, PSYD, or departmental permission

**Previously Listed as:** PSY 671 Prepracticum in Behavior Therapy

**Last Updated:** Title and Restriction Changes 11/2012, effective Winter 2013;Major Restrictions 07/2011; Links 05/2011

## **PSY 672 - Modern Behavior Therapies: Theory, Research and Practice**

An advanced treatment course for clinical psychology graduate students. This course offers the theory, principles, empirical support, and intervention skills underlying the modern behavior therapies.

**Credit Hours:** 3 hrs

**Prerequisites:** PSY 751/PSY 731 or PSY 625/PSY 661 or PSY 627/PSY 661

**Concurrent Prerequisites:** PSY 751/PSY 731 or PSY 625/PSY 661 or PSY 627/PSY 661

**Major Restrictions:** PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** New Course 11/2012, effective Winter 2013

## **PSY 679 - Special Topics**

Course content will consist of new topics in psychology taught on an experimental basis, thus changing from one semester to the next. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Major Restrictions:** PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** 07/2011

## **PSY 680 - Special Topics**

Course content will consist of new topics in psychology taught on an experimental basis, thus changing from one semester to the next. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Major Restrictions:** PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** 07/2011

## **PSY 681 - Special Topics**

Course content will consist of new topics in psychology taught on an experimental basis, thus changing from one semester to the next. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Major Restrictions:** PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** 07/2011

## **PSY 682 - Special Topics**

Course content will consist of new topics in psychology taught on an experimental basis, thus changing from one semester to the next. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 4 hrs

**Major Restrictions:** PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** 07/2011

### **PSY 683 - Field Practicum with Seminar**

Students will participate in an organized health care setting for at least 250 clock hours. The practicum is to be supervised by a licensed psychologist on a regular, continuous and scheduled basis.

**Credit Hours:** 2 hrs each

**Prerequisites:** PSY 641, PSY 651 and PSY 661 or PSY 671

**Major Restrictions:** PSYB, PSYC, PSYD, or departmental permission

**Terms Offered:** Offered on a credit/no-credit basis.

**Last Updated:** Major Restrictions 07/2011; Links 05/2011

### **PSY 684 - Field Practicum with Seminar**

Students will participate in an organized health care setting for at least 250 clock hours. The practicum is to be supervised by a licensed psychologist on a regular, continuous and scheduled basis.

**Credit Hours:** 2 hrs each

**Prerequisites:** PSY 641, PSY 651 and PSY 661 or PSY 671

**Major Restrictions:** PSYB, PSYC, PSYD, or departmental permission

**Terms Offered:** Offered on a credit/no-credit basis.

**Last Updated:** Major Restrictions 07/2011; Links 05/2011

### **PSY 685 - Developing Master's Thesis**

Guides students through the steps of generating a thesis question or hypothesis, literature review, methodological design, data collection, statistical analysis, discussion and conclusion of a master's thesis.

**Credit Hours:** 2 hrs

**Major Restrictions:** PSY, PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** 07/2011

### **PSY 690 - Thesis**

Completion of research problem, writing thesis and defense of thesis.

**Credit Hours:** 1 hr

**Major Restrictions:** Departmental Permission

**Terms Offered:** Offered on a credit/no-credit basis.

**Last Updated:** 07/2011

### **PSY 691 - Thesis**

Completion of research problem, writing thesis and defense of thesis.

**Credit Hours:** 2 hrs  
**Major Restrictions:** Departmental Permission  
**Terms Offered:** Offered on a credit/no-credit basis.  
**Last Updated:** 07/2011

## **PSY 692 - Thesis**

Completion of research problem, writing thesis and defense of thesis.

**Credit Hours:** 3 hrs  
**Major Restrictions:** Departmental Permission  
**Terms Offered:** Offered on a credit/no-credit basis.  
**Last Updated:** 07/2011

## **PSY 697 - Individual Reading**

Supervised reading of psychological literature to provide in-depth understanding of a selected psychological problem.

**Credit Hours:** 1 hr  
**Prerequisites:** one course orienting student to the problem area  
**Major Restrictions:** Departmental Permission  
**Last Updated:** 07/2011

## **PSY 698 - Individual Reading**

Supervised reading of psychological literature to provide in-depth understanding of a selected psychological problem.

**Credit Hours:** 2 hrs  
**Prerequisites:** one course orienting student to the problem area  
**Major Restrictions:** Departmental Permission  
**Last Updated:** 07/2011

## **PSY 699 - Individual Reading**

Supervised reading of psychological literature to provide in-depth understanding of a selected psychological problem.

**Credit Hours:** 3 hrs  
**Prerequisites:** one course orienting student to the problem area  
**Major Restrictions:** Departmental Permission  
**Last Updated:** 07/2011

## **PSY 701 - Organizational Systems Theory in Psychology**

Examines social bases of behavior from a psychological systems perspective. Includes coverage of several systems theories — especially those relevant to clinical psychological practice and settings. A combination of theoretical and applied issues will be covered.

**Credit Hours:** 3 hrs  
**Prerequisites:** PSY 600  
**Major Restrictions:** PSY, PSYB, PSYC, PSYD, or departmental permission  
**Last Updated:** Major Restrictions 07/2011; Links 05/2011

## **PSY 703 - Clinical Organizational Management**

Teaches students to identify the goals specific to mental health agencies and psychological treatment settings. Student will learn to measure goals, analyze consistency of goals, implement strategies to integrate goals between levels and improve performance. Projects will allow students to apply various approaches.

**Credit Hours:** 3 hrs

**Prerequisites:** PSY 637 or PSY 701

**Major Restrictions:** PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** Major Restrictions 07/2011; Links 05/2011

## **PSY 705 - Clinical Ecological Psychology**

Advanced practical and theoretical understanding of the effects of environmental design on human behavior. Emphasizes the analysis and manipulation of settings as adjuncts to other clinical treatment modalities.

**Credit Hours:** 3 hrs

**Major Restrictions:** PSY, PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** Major Restrictions 07/2011; 2/28/2011

## **PSY 720 - Child and Family Therapy**

Overview of therapy methods used to treat disturbed children and families. Play, cognitive, behavioral, and family therapies will be covered. Students develop and implement an intervention program for children or conduct a therapy group for parents.

**Credit Hours:** 3 hrs

**Prerequisites:** PSY 751

**Concurrent Prerequisites:** PSY 791

**Major Restrictions:** PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** Major Restrictions 07/2011; Links 05/2011

## **PSY 721 - Treatment of Anxiety Disorders**

This course introduces graduate students in clinical psychology to case conceptualization, assessment, and treatment of anxiety disorders utilizing efficacious behavioral and cognitive behavioral procedures. Each of the anxiety disorders will be covered in detail and students will demonstrate utilization of treatment techniques throughout the semester.

**Credit Hours:** 3 hrs

**Prerequisites:** PSY 751/PSY 731 or PSY 625/PSY 661 or PSY 627/PSY 671

**Concurrent Prerequisites:** PSY 751/PSY 731 or PSY 625 /PSY 661 or PSY 627/PSY 671

**Major Restrictions:** PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** New Course 11/2012, effective Winter 2013

## **PSY 722 - Assessment and Treatment of Personality Disorders**

This course introduces masters' and doctoral students in clinical psychology to contemporary research on the theory, diagnosis, assessment, and treatment of personality disorders.

**Credit Hours:** 3 hrs

**Prerequisites:** PSY 646 and PSY 743

**Major Restrictions:** PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** New Course 11/2012, effective Winter 2013

## **PSY 731 - Prepracticum in Interpersonal Processes in Psychotherapy**

The prepracticum course is a lab course that gives students experience observing individual psychotherapy sessions, and students will conduct two "mock therapy" sessions with undergraduate student volunteers. *Concurrent registration with PSY 751 is required.*

**Credit Hours:** 1 hr

**Concurrent Prerequisites:** PSY 751

**Corequisites:** PSY 751

**Class Restrictions:** Graduate standing

**Major Restrictions:** PSYB, PSYC, PSYD, or departmental permission

**Previously Listed as:** PSY 731 Prepracticum in Psychotherapy

**Last Updated:** Title and requirements change 11/2012, effective Winter 2013; Major Restrictions 07/2011; Links 05/2011

## **PSY 743 - Psychopathology**

A study of behavior disorders with emphasis upon current research methodologies, special problems and theoretical formulations, including controversial issues and social and ethical considerations.

**Credit Hours:** 3 hrs

**Major Restrictions:** PSY, PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** 07/2011

## **PSY 744 - Child and Adolescent Psychopathology**

This course introduces masters and doctoral level students in clinical psychology to psychopathology from birth through adolescence from a developmental psychopathology perspective.

**Credit Hours:** 3 hrs

**Major Restrictions:** PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** New Course 11/2012, effective Winter 2013

## **PSY 750 - Clinical Psychology**

An overview of the field of clinical psychology, including the history of clinical psychology, professional practice, ethics, legal issues and current critical issues.

**Credit Hours:** 3 hrs

**Major Restrictions:** PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** 07/2011

## **PSY 751 - Interpersonal Processes in Psychotherapy**

Principles of psychological interviewing, psychotherapy and psycho-therapeutic techniques are covered particularly related to interpersonal processes and their impact within psychotherapy. *Concurrent registration with PSY 731 is required*

**Credit Hours:** 3 hrs

**Corequisites:** PSY 731

**Class Restrictions:** Graduate standing

**Major Restrictions:** PSYB, PSYC, PSYD, or departmental permission

**Previously Listed as:** PSY 751 Psychotherapy

**Last Updated:** Title and Requirement change 11/2012, effective Winter 2013; Major Restrictions 07/2011; Links 05/2011

## **PSY 762 - Cognitive Assessment**

Training and supervised experience in psychological assessment of children and adults. This course will include the assessment of intellectual, academic, and emotional/behavioral functioning as well as other areas of cognition such as attention, memory, and executive abilities. This includes administration, scoring, and interpretation of the Wechsler Intelligence Scale for Children (WISC) and Wechsler Adult Intelligence Scale (WAIS) tests.

**Credit Hours:** 4 hrs

**Prerequisites:** PSY 743

**Major Restrictions:** PSYB, PSYC, PSYD, or departmental permission

**Previously Listed as:** PSY 762 The Wechsler Intelligence Tests

**Last Updated:** Title and Prerequisite change 11/2012, effective Winter 2013; 07/2011

## **PSY 763 - Individual Testing II**

Training and supervised experience in cognitive assessment with Binet scales and introduction to assessment instruments in related areas of infant development, visual-motor perception, auditory perception, academic achievement and adaptive behavior functioning; focus on school-age children.

**Credit Hours:** 4 hrs

**Prerequisites:** PSY 762

**Major Restrictions:** PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** Major Restrictions 07/2011; Links 05/2011

## **PSY 767 - Continuous Enrollment**

Graduate students who are completing dissertation research or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through Continuous Enrollment. Enrollment enables access to library, health services and other resources. Course

**Credit Hours:** 1 hr

**Major Restrictions:** PSYD or departmental permission

**Notes:** Credit will not apply toward degree completion.

**Terms Offered:** Offered on a credit/no-credit basis.

**Last Updated:** 07/2011

## **PSY 770 - Self-Report Assessment of Personality**

An introduction to the administration, scoring, and interpretation of the most commonly used self-report personality assessment measures utilized in clinical practice, including the MMPI-2, PAI, NEO-PI-R, and MCMI-III.

**Credit Hours:** 4 hrs

**Prerequisites:** PSY 646 or PSY 743 or Instructor Permission

**Major Restrictions:** PSYB, PSYC, PSYD, or departmental permission

**Previously Listed as:** PSY 770 Personality Evaluation I

**Last Updated:** Title, Description and Prereq change 11/2012, effective Winter 2013, 07/2011

## **PSY 771 - Performance-Based Assessment of Personality**

Introduction to administration, scoring and interpretation of performance-based personality assessment tools, including the Rorschach Inkblot Method and Thematic Apperception Test.

**Credit Hours:** 4 hrs

**Prerequisites:** PSY 646 or PSY 743 or Permission of Instructor

**Major Restrictions:** PSYB, PSYC, PSYD, or departmental permission

**Previously Listed as:** PSY 771 Projective Techniques

**Last Updated:** Title, description, and prerequisite change 11/2012, effective Winter 2013; 07/2011

## **PSY 777 - Advanced History and Systems of Psychology**

This course traces the historical development of modern psychological theories and the philosophy of science. It begins with pre-Socratic philosophy and ends with modern psychological systems.

**Credit Hours:** 3 hrs

**Major Restrictions:** PSY, PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** 07/2011

## **PSY 779 - Special Topics**

An exploration and study of topics not covered in other program offerings. Student may elect more than once, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Major Restrictions:** PSYD or departmental permission

**Last Updated:** 07/2011

## **PSY 780 - Special Topics**

An exploration and study of topics not covered in other program offerings. Student may elect more than once, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Major Restrictions:** PSYD or departmental permission

**Last Updated:** 07/2011

## **PSY 781 - Special Topics**

An exploration and study of topics not covered in other program offerings. Student may elect more than once, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Major Restrictions:** PSYD or departmental permission

**Last Updated:** 07/2011

## **PSY 788 - Advanced Clinical Practicum I**

Supervised advanced clinical practicum with a healthcare setting involving psychological testing, therapy, and/or research experiences.



**Credit Hours:** 1 hr

**Prerequisites:** PSY 683 and PSY 684

**Major Restrictions:** PSYD or departmental permission

**Previously Listed as:** PSY 788 - Practicum in Clinical Psychology I

**Terms Offered:** Offered on a credit/no-credit basis.

**Course Revisions:** This course will have a title change from "Practicum in Clinical Psychology I" to "Advanced Clinical Practicum I," effective Winter 2013. The course revision also includes a credit hour change from 3 hrs to 1 hr, a description change, and a prerequisite change from "PSY 750, PSY 762" to "PSY 683 and PSY 684."

**Last Updated:** Course Revision 10/2012, effective Winter 2013; Major Restriction 07/2011; Links 05/2011

## **PSY 789 - Advanced Clinical Practicum II**

Supervised advanced clinical practicum within a healthcare setting involving psychological testing, therapy, and/or research experiences.

**Credit Hours:** 1 hr

**Prerequisites:** PSY 683 and PSY 684

**Major Restrictions:** PSYD or departmental permission

**Previously Listed as:** PSY 789 Practicum in Clinical Psychology II

**Notes:** Offered on a credit/no-credit basis.

**Last Updated:** Title, description, credit hour and prerequisite change 11/2012, effective Winter 2013; Major Restriction 07/2011; Links 05/2011

## **PSY 791 - Prepracticum in Child and Family Therapy**

This course gives students experience working with children and families in clinical psychological therapeutic situations. Students will develop a three-session parenting group and be responsible for one child therapy case at the psychology clinic.

**Credit Hours:** 1 hr

**Prerequisites:** PSY 751

**Concurrent Prerequisites:** PSY 720

**Major Restrictions:** PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** Major Restriction 07/2011; Links 05/2011

## **PSY 797 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Major Restrictions:** Departmental Permission

**Last Updated:** 07/2011

## **PSY 798 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Major Restrictions:** Departmental permission

**Last Updated:** 07/2011

## **PSY 799 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Major Restrictions:** Departmental Permission

**Last Updated:** 07/2011

## **PSY 801 - Program Evaluation in Clinical Psychology**

Presents methods of collecting, analyzing, and using information to evaluate policies and programs especially in mental healthcare settings. Course includes instruction on how governmental and social organizational policies and laws affect health care delivery, supervision and training.

**Credit Hours:** 3 hrs

**Prerequisites:** PSY 600, PSY 601, PSY 605

**Major Restrictions:** PSY, PSYB, PSYC, PSYD, or departmental permission

**Last Updated:** Major Restrictions 07/2011; Links 05/2011

## **PSY 807 - Methods of Teaching in Psychology**

Presents methods for teaching undergraduate students in psychology. Topics include syllabus preparation, textbook selection, instructional technology, assessment of learning outcomes, effective lectures and generating classroom discussion, legal issues, diversity in the classroom, and managing classroom behavior. Course includes instruction, rehearsal, and application of skills necessary to teach a college course.

**Credit Hours:** 2 hrs

**Prerequisites:** PSY 684; or PSY 684, PSY 883

**Class Restrictions:** Doctoral students in Clinical Psychology program only

**Major Restrictions:** PSYD or departmental permission

**Last Updated:** Major Restrictions 07/2011; Links 05/2011

## **PSY 881 - Doctoral Seminar I: Assessment and Diagnosis**

Integrates topics from psychopathology, clinical assessment and behavioral assessment. Compares and contrasts general clinical and behavior assessment, including sign versus sample approaches, ideographic versus standardized assessments, accountability in diagnosis, validity of assessment measures, purposes of diagnosis and cross-cultural issues.

**Credit Hours:** 2 hrs

**Corequisites:** PSY 743 or PSY 619

**Major Restrictions:** PSYD or departmental permission

**Last Updated:** Major Restrictions 07/2011; Links 05/2011

## **PSY 882 - Doctoral Seminar II: Assessment and Treatment**

Extends coverage of topics addressed in other courses, including PSY 881. The focus is on the analysis of assessment information in order to select, develop, implement and assess the effectiveness of treatments. Treatment selection focuses on matching diverse client characteristics to treatment models.

**Credit Hours:** 2 hrs

**Prerequisites:** PSY 881

**Corequisites:** PSY 743 or PSY 625  
**Major Restrictions:** PSYD or departmental permission  
**Last Updated:** Major Restrictions 07/2011; Links 05/2011

### **PSY 883 - Doctoral Seminar III: Issues in Professional Behavior**

Specific ethical, legal and other professional issues will be explored in depth. Covered topics include treatment efficacy, social validity, cross-cultural issues, cost effectiveness, accountability and the implications of taking functional versus structural approaches to treatment.

**Credit Hours:** 2 hrs  
**Prerequisites:** PSY 882  
**Concurrent Prerequisites:** PSY 750  
**Prerequisite/Corequisites:** Concurrent registration in PSY 670 is required or PSY 750 as a prerequisite.  
**Major Restrictions:** PSYD or departmental permission  
**Last Updated:** Major Restrictions 07/2011; Links 05/2011

### **PSY 885 - Models and Methods of Service Delivery and Supervision**

Presents models and methods of clinical supervision. Topics include supervision versus consultation; ethical and legal issues; supervision styles and strategies for building clinical competence; the supervisory relationship; evaluation of supervisees and supervision effectiveness; diversity considerations in supervision. Course includes practice of supervision skills.

**Credit Hours:** 2 hrs  
**Concurrent Prerequisites:** PSY 703  
**Major Restrictions:** PSYD or departmental permission  
**Last Updated:** Major Restrictions 07/2011; Links 06/2011

### **PSY 886 - Doctoral Seminar VI: Applying the Core Curriculum to Clinical Issues**

Prepares students for licensing exam issues by examining how various areas of psychology covered separately in the core curriculum inform clinical treatment. Covers topics such as developmental psychopathology, psychopharmacology, neurological structures and pathology, and perceptual changes. The impact of these areas on mental health treatment delivery is examined.

**Credit Hours:** 2 hrs  
**Prerequisites:** PSY 885  
**Major Restrictions:** PSYD or departmental permission  
**Last Updated:** Major Restrictions 07/2011; Links 05/2011

### **PSY 887 - Doctoral Seminar VII: Internship and Professional Issues**

Exposes students to information about applying for and obtaining internships and employment in clinical psychology. Skills covered will include constructing vitas, writing letters of application, preparing for interviews and developing professional contacts. Discussion will include personal, clinical and intraprofessional issues in the life of the clinical intern and new professional.

**Credit Hours:** 2 hrs  
**Prerequisites:** PSY 886  
**Major Restrictions:** PSYD or departmental permission  
**Last Updated:** Major Restrictions 07/2011; Links 05/2011

## **PSY 888 - Diversity Issues in Clinical Populations**

Appropriate assessment and treatment approaches to psychological work with various clinical populations will be discussed. Students will learn to consider the implications of ethnicity, race, gender, sexual orientation, religious group membership and other related factors in developing and applying clinical treatments.

**Credit Hours:** 3 hrs

**Major Restrictions:** PSYB, PSYC, PSYD or departmental permission

**Last Updated:** 07/2011

## **PSY 890 - Special Topics**

An exploration and study of topics not covered in other program offerings. Student may elect more than once, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Major Restrictions:** PSYD or departmental permission

**Last Updated:** 07/2011

## **PSY 891 - Special Topics**

An exploration and study of topics not covered in other program offerings. Student may elect more than once, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Major Restrictions:** PSYD or departmental permission

**Last Updated:** 07/2011

## **PSY 892 - Special Topics**

An exploration and study of topics not covered in other program offerings. Student may elect more than once, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Major Restrictions:** PSYD or departmental permission

**Last Updated:** 07/2011

## **PSY 894 - Doctoral Clinical Internship**

Completion of a one year clinical internship at a training program approved by the Doctoral Training Committee.

**Credit Hours:** 1 hr

**Major Restrictions:** PSYD or departmental permission

**Notes:** Offered on a credit/no-credit basis.

**Last Updated:** 07/2011

## **PSY 895 - Developing the Doctoral Dissertation Proposal**

Guides students through the steps required to develop and complete the doctoral dissertation: question or hypothesis formulation, research and literature review, methodological design, data collection and analysis, discussion and conclusion.

**Credit Hours:** 2 hrs

**Prerequisites:** complete first three years of required and elective courses in doctoral program

**Major Restrictions:** PSYD or departmental permission

**Last Updated:** 07/2011

### **PSY 896 - Dissertation**

Completion of research problem, writing thesis and defense of dissertation.

**Credit Hours:** 1 hr

**Major Restrictions:** Departmental Permission

**Terms Offered:** Offered on a credit/no-credit basis.

**Last Updated:** 07/2011

### **PSY 897 - Dissertation**

Completion of research problem, writing thesis and defense of dissertation.

**Credit Hours:** 2 hrs

**Major Restrictions:** Departmental Permission

**Terms Offered:** Offered on a credit/no-credit basis.

**Last Updated:** 07/2011

### **PSY 898 - Dissertation**

Completion of research problem, writing thesis and defense of dissertation.

**Credit Hours:** 4 hrs

**Major Restrictions:** Departmental Permission

**Terms Offered:** Offered on a credit/no-credit basis.

**Last Updated:** 07/2011

### **PSY 899 - Dissertation**

Completion of research problem, writing thesis and defense of dissertation.

**Credit Hours:** 8 hrs

**Major Restrictions:** Departmental permission

**Terms Offered:** Offered on a credit/no-credit basis.

**Last Updated:** 07/2011

# Sociology, Anthropology and Criminology Programs and Courses

## Sociology, Anthropology and Criminology

### Graduate Certificate

## Interdisciplinary Graduate Certificate in Cultural Museum Studies (CMS)

Adviser: Liza Cerroni-Long, Ph.D.  
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liza.cerroni-long@emich.edu

The Interdisciplinary Graduate Certificate in Cultural Museum Studies (CMS) provides foundational training for professional engagement with the selection, conservation, interpretation, and exhibition of inanimate and living collections.

Special attention is given to the cross-cultural analysis, application, and assessment of the various ways "research exhibit-and-presentation" dynamics affect display design in museums and related institutions, and to the pedagogical dimension of museological theory and practice.

A flexible curriculum allows for individualized specializations in various aspects of museology, from the ecological impact on definitions of cultural heritage, to the application of virtuality to exhibition procedures.

### Required Courses: 9 hours

- ANTH 530 - Museum Anthropology 3 hrs
- GHPR 532 - Introduction to Curatorship 3 hrs

### Capstone Experience: 3 hours

*Choose three credit hours from the following:*

- ANTH 587 - Coop-Education in Cultural Museum Studies 3 hrs
- ANTH 687 - Internship in Cultural Museum Studies 4 hrs
- ANTH 688 - Internship in Cultural Museum Studies 5 hrs
- ANTH 689 - Internship in Cultural Museum Studies 6 hrs
- ANTH 697 - Independent Study in Cultural Museum Studies 1 hr
- ANTH 698 - Independent Study in Cultural Museum Studies 2 hrs
- ANTH 699 - Independent Study in Cultural Museum Studies 3 hrs
- CLMS 587 - Coop-Education in Cultural Museum Studies 3 hrs
- CLMS 687 - Internship in Cultural Museum Studies 4 hrs
- CLMS 688 - Internship in Cultural Museum Studies 5 hrs
- CLMS 689 - Internship in Cultural Museum Studies 6 hrs

- CLMS 697 - Independent Study in Cultural Museum Studies 1 hr
- CLMS 698 - Independent Study in Cultural Museum Studies 2 hrs
- CLMS 699 - Independent Study in Cultural Museum Studies 3 hrs
- GHPR 587 - Cooperative Education in Cultural Resource Management 3 hrs
- GHPR 687 - Internship 4 hrs
- GHPR 688 - Internship 5 hrs
- GHPR 689 - Internship 6 hrs

## Restricted Electives: 9 hours

*Choose nine credit hours from the following:*

- ANTH 445 - Culture Analysis Seminar 3 hrs
- ANTH 579 - Special Topics in Cultural Museum Studies 3 hrs
- CLMS 579 - Special Topics in Cultural Museum Studies 3 hrs
- GEOG 541 - Material Cultures: A Disciplinary Overview 3 hrs
- GEOG 549 - Cultural Landscape Interpretation 2 hrs
- GHPR 530 - Introduction to Historic Preservation 2 hrs
- GHPR 534 - Community Interpretation and Appropriate Tourism 3 hrs
- GHPR 538 - Historic Preservation and Tourism 2 hrs
- GHPR 546 - International Preservation: Historic Applications 2 hrs
- GHPR 630 - Documenting Historical Places 2 hrs
- GHPR 632 - Interpreting the Historic House 3 hrs

Program Total: 18 hours

## Master's

### Master of Arts in Criminology and Criminal Justice (CRM)

Adviser: Marilyn Corsianos, Ph.D.  
 713K Pray-Harrold  
 734.487.0012  
 mcorsiano@emich.edu

#### Objectives

1. Attainment of advanced education for persons who wish to enter careers in post-secondary education.
2. Development of skills in research and in program planning and evaluation in criminology and criminal justice.
3. Strengthening of the professional qualifications of persons employed in the fields of criminal justice.
4. Preparation for doctoral study in a behavioral or social science.

The analytical and evaluative skills stressed by this program enable students to identify and assess the often conflicting objectives of criminal justice and to investigate basic issues and practical problems in criminology and the administration of criminal justice.

## Admission Requirements

### Degree Admission

Applicants must:

1. Meet the Graduate School admission requirements;
2. Have at least a 3.0 undergraduate GPA, and have completed the following courses or equivalent:
  - CRM 300 - Criminal Justice
  - CRM 301 - Criminology
  - SOCL 250 - Quantitative Applications in Sociology
  - SOCL 304 - Methods in Sociological Research

*Note:*

*SOCL 341 - Quantitative Methods of Social Research I and SOCL 342 - Quantitative Methods of Social Research II can be substituted for SOCL 250 and SOCL 304. A grade of B or better is required.*

### Conditional Admission

Applicants who meet the GPA requirement but lack one or more required courses may be admitted conditionally with the permission of the program chair; course deficiencies should be completed prior to taking required graduate courses.

### Degree Requirements

The M.A. in Criminology and Criminal Justice program requires either a thesis or two essays for the non-thesis option.

**Option I:** Thesis students must complete a thesis on a subject determined in consultation with their adviser, in light of their interests. The completed thesis must be approved by the department. Four hours of thesis credit are earned.

**Option II:** Non-thesis students must submit two essays dealing with methodological, substantive or theoretical issues in criminology and criminal justice. These may be based on papers completed in graduate courses, but must be of higher quality than usual term papers, meet departmental requirements through a scheduled meeting with the graduate adviser, and be approved by the department. No credit hours are earned for these essays.

## Course Requirements

The M.A. in Criminology and Criminal Justice requires the completion of 31 hours of course work to be distributed among required courses, program area courses, elective courses and cognate courses as follows:

### Required Courses: 0-4 hours

*Select from either option I or option II:*

#### Option I:

- CRM 690 - Thesis 1 hr
- CRM 691 - Thesis 2 hrs
- CRM 692 - Thesis 3 hrs



## Option II:

- Non-thesis option (0 hrs)

## Program Area: 21 hours

- CRM 513 - Social Deviance 3 hrs  
**OR**
- SOCL 513 - Social Deviance 3 hrs
  
- CRM 610 - Theories of Criminal Behavior 3 hrs
- CRM 611 - Sociology of Crime and Its Correction 3 hrs
- CRM 620 - Controversies in Policing 3 hrs
- CRM 666 - Global Criminology 3 hrs
- SOCL 677 - Advanced Methods in Sociological Research 3 hrs
  
- SOCL 678 - Methods in Social Program Evaluation 3 hrs  
**OR**
- SOCL 630 - Advanced Social Statistics 3 hrs

## Elective and/or Cognate Courses: 6-10 hours

*Six to ten hours selected in consultation with the graduate adviser.*

## Program Total: 31 hours

# Master of Arts in Schools, Society and Violence (SSV)

Adviser: Robert Orrange, Ph.D.  
712C Pray-Harrold  
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rorrange@emich.edu

This interdisciplinary master's degree is intended for students who want to pursue advanced studies in conflict, crime and cooperation in the school context, and is offered through the Department of Sociology, Criminology and Anthropology and the Department of Teacher Education. Students will gain an understanding of theoretical concepts, methodological techniques and the application of substantive interdisciplinary knowledge, enabling them to analyze, understand and effectively intervene to reduce harmful relational and institutional practices in school settings. Essential dimensions of the program include a thesis or non-thesis requirement through which students demonstrate the ability to integrate and apply relevant knowledge to address a particular dimension of the problem of school violence.

### Objectives

Program graduates will be able to demonstrate:

1. Through written and oral forms the ability to analyze complex problems associated with school violence;
2. An understanding of the larger social, historical, economic and ideological context producing violent social relations within schools;

3. Competence in qualitative and quantitative research methods; and
4. The ability to create positive solutions to school violence.

### **Admission Requirements**

Applicants must:

1. Comply with the Graduate School admission requirements;
2. Have at least a 2.7 undergraduate GPA;
3. Submit a letter of interest describing the applicant's career goals and reasons for pursuing this master's degree; and
4. Submit two letters of recommendation that address the applicant's professional commitment, experience and potential.

## **Course Requirements**

The M.A. in Schools, Society and Violence requires the completion of at least 31 credit hours of course work to be distributed among required program courses, concentration courses, elective courses and cognate courses as follows:

### **Core courses: Crime, Conflict and Cooperation: 20 hours**

#### **Foundation Requirements: 6 hours**

- SOCL 678 - Methods in Social Program Evaluation 3 hrs

And one of the following:

- CRM 521 - Violence and Nonviolence 3 hrs
- SOCL 521 - Violence and Nonviolence 3 hrs

#### **Research Methods Requirements: 3 hours**

- EDPS 687 - Qualitative/Interpretive Research 3 hrs

#### **Theoretical Course Requirements: 11 hours**

- SOCL 508 - Advanced Social Psychology 3 hrs
- SOFD 572 - The History of American Schooling and Literacy 3 hrs
- SOFD 580 - Sociology of Education 2 hrs

And one of the following:

- CRM 560 - Domestic Violence and Sexual Assault 3 hrs
- SOCL 560 - Domestic Violence and Sexual Assault 3 hrs

### **Substantive Focus: Discipline, Schooling and Social Control: 8-12 hours**

## Core Courses: 5 hours

- SOFD 541 - Field Studies in Education 2 hrs
- SOFD 640 - Peace Education 3 hrs

## Restricted Elective Courses: 2-7 hours

*Two to seven hours from the following:*

- CRM 650 - Media, Crime and Justice 3 hrs
- CRM 697 - Independent Study 1 hr
- CRM 698 - Independent Study 2 hrs
- CRM 699 - Independent Study 3 hrs
- EDPS 617 - Children in Poverty: Educational Implications 3 hrs
- SOCL 697 - Independent Study 1 hr
- SOCL 698 - Independent Study 2 hrs
- SOCL 699 - Independent Study 3 hrs
- SOFD 535 - Multicultural and International Education 2 hrs
- SOFD 581 - Gender and Education 3 hrs
- OR**
- WGST 581 - Gender and Education 3 hrs

## Elective Courses: 0-3 hours

## Thesis/Non-Thesis Project: 0-4 hours

*One option from the following:*

### Option I: Thesis

*Four hours from the following:*

- SOCL 690 - Thesis 1 hr
- SOCL 691 - Thesis 2 hrs
- SOCL 692 - Thesis 3 hrs
- SOFD 690 - Thesis 1 hr
- SOFD 691 - Thesis 2 hrs
- SOFD 692 - Thesis 3 hrs

### Option II: Non-Thesis Project: 0 hours

*Non-thesis students must submit two essays dealing with a methodological, theoretical and/or practical problem in power, crime, conflict and cooperation within the schools that reflects the interests of the student and readers.*

## Program Total: 31 hours

# Master of Arts in Sociology (SOC)

Adviser: Robert Orrange, Ph.D.  
712 Pray-Harrold  
734.487.0012  
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The Master of Arts in Sociology program provides the knowledge in theory and methodology needed to pursue a Ph.D. in sociology and related fields, to teach in post-secondary institutions, or to pursue a public or private sector career, by addressing the following goals:

1. To allow students to develop skills necessary to secure employment in sociology and related fields;
2. To equip students with advanced sociological training in theory and methods in preparation for the pursuit of doctoral degrees; and
3. To equip students with advanced sociological education in preparation to teach in post-secondary institutions.

## Admission Requirements

### Degree Admission

Applicants must:

1. Meet the Graduate School admission requirements;
2. Have an undergraduate GPA of at least 3.0; if the GPA is below 3.0, applicant should contact the graduate coordinator, who may request that the student attain a score at the 60th percentile on the GRE. A GRE score is not required if the GPA is 3.0 or above;
3. Have completed the following prerequisite courses or their equivalent, having earned at least a B in the course\*:

SOCL 250 - Quantitative Applications in Sociology

SOCL 304 - Methods in Sociological Research

SOCL 403 - Modern Sociological Theory

\* Applicants lacking one or more of the three prerequisite courses listed above may be granted a conditional admission. Credit earned for these courses will not be applied to their degree credits.

4. Submit a two-to-three-page personal statement, highlighting the manner in which past academic, employment, volunteer or other relevant personal experiences have shaped their interest in a master's degree in sociology. Applicants should also discuss the manner in which this degree will enhance their future career plans; and
5. Submit two letters of reference, from either academic or employment sources.

### Degree Requirements

**Thesis Option:** In addition to the course work outlined below, thesis students must complete a thesis on a subject determined in consultation with their departmental thesis committee, as per Graduate School guidelines. The completed thesis must be approved by the student's departmental thesis committee, as per departmental guidelines. Four thesis credit hours are earned.

**Non-Thesis Option:** In addition to the course work outlined below, non-thesis students must submit two essays dealing with methodological, substantive or theoretical issues in sociology. These may be based on papers completed in graduate courses but must be of higher quality than usual term papers, must meet departmental requirements through a scheduled meeting with the graduate adviser, and must be approved by their non-thesis essay committee. No credit hours are earned for these essays.

## Course Requirements

The M.A. in Sociology requires the completion of 31 hours of course work to be distributed among required courses, program courses, elective courses and cognate courses as follows:

### Required Courses: 9-13 hours

- SOCL 630 - Advanced Social Statistics 3 hrs
- SOCL 677 - Advanced Methods in Sociological Research 3 hrs
- SOCL 678 - Methods in Social Program Evaluation 3 hrs

### Select from either Option I or Option II:

#### Option I:

*Four credit hours of Thesis courses are required if pursuing this option.*

- SOCL 690 - Thesis 1 hr
- SOCL 691 - Thesis 2 hrs
- SOCL 692 - Thesis 3 hrs

#### Option II:

- Non-thesis option (0 hrs)

### Required Concentration Courses: 12 hours

- SOCL 503 - The Family as an Institution 3 hrs
- SOCL 513 - Social Deviance 3 hrs
- SOCL 640 - Advanced Sociological Theory 3 hrs
- SOCL 647 - Contemporary Community Structure 3 hrs

### Elective Courses: 0-10 hours

*Elective courses should be selected in consultation with the graduate coordinator. Any graduate-level course in sociology, criminology or anthropology (except for those counted as required courses) are eligible for elective credit.*

### Cognate Courses: 0-9 hours

*Graduate level courses taken through departments/disciplines other than sociology, anthropology or criminology constitute cognate credit. These choices should be made in consultation with the graduate coordinator.*

### Program Total: 31-34 hours

## **Master of Arts in Sociology - Applied Research Specialty (SOC)**

Adviser: Robert Orrange, Ph.D.  
712C Pray-Harrold  
734.487.0012  
rorrange@emich.edu

This specialty provides knowledge and skills in theory and general methodology, with specific emphasis on the evaluation of ongoing programs. It prepares students for responsible positions in applied areas of sociology by addressing the following goals:

1. Provide knowledge and skills needed for careers in evaluation and applied research;
2. Increase knowledge and skills for students already employed in fields of sociology, in the private and public sectors; and
3. Prepare students to pursue the Ph.D. in sociology, or teach in post-secondary institutions.

## Admission Requirements

### Degree Admission

Applicants must:

1. Meet the Graduate School admission requirements;
2. Have an undergraduate GPA of at least 3.0; if the GPA is below 3.0, applicant should contact the graduate coordinator, who may request that the student attain a score at the 60th percentile on the GRE. A GRE score is not required if the GPA is 3.0 or above;
3. Have completed the following courses or their equivalent, having earned at least a B in the course\*:

SOCL 250 - Social Statistics I  
SOCL 304 - Methods in Sociological Research  
SOCL 403 - Modern Sociological Theory

\* Applicants lacking one or more of the three prerequisite courses listed above may be granted a conditional admission. Credit earned for these courses will not be applied to their degree credits.

4. Submit a two-to-three-page personal statement, highlighting the manner in which past academic, employment, volunteer or other relevant personal experiences have shaped their interest in a master's degree in sociology. Applicants should also discuss the manner in which this degree will enhance their future career plans; and
5. Submit two letters of reference, from either academic or employment sources.

### Degree Requirements

**Thesis Option:** In addition to the course work outlined below, thesis students must complete a thesis on a subject determined in consultation with their departmental thesis committee, as per Graduate School guidelines. The completed thesis must be approved by the student's departmental thesis committee, as per departmental guidelines. Four thesis credit hours are earned.

**Non-Thesis Option:** In addition to the course work outlined below, non-thesis students must submit two essays dealing with methodological, substantive or theoretical issues in sociology. These may be based on papers completed in graduate courses but must be of higher quality than usual term papers, must meet departmental requirements through a scheduled meeting with the graduate adviser, and must be approved by their non-thesis essay committee. No credit hours are earned for these essays.

## Course Requirements

The M.A. in Sociology-Applied Research Specialty requires the completion of at least 31 hours of course work to be distributed among required program courses, concentration courses, elective courses and cognate courses as follows:

## Required Courses: 9-13 hours

- SOCL 630 - Advanced Social Statistics 3 hrs
- SOCL 677 - Advanced Methods in Sociological Research 3 hrs
- SOCL 678 - Methods in Social Program Evaluation 3 hrs

## Select from either Option I or Option II:

### Option I:

- SOCL 690 - Thesis 1 hr
- SOCL 691 - Thesis 2 hrs
- SOCL 692 - Thesis 3 hrs

### Option II:

- Non-thesis option (0 hrs)

## Required Concentration Courses: 16 hours

- SOCL 647 - Contemporary Community Structure 3 hrs
- \* SOCL 662 - Supervised Field Experience 2 hrs
- SOCL 695 - Program Evaluation Skills Development Seminar 3 hrs

## One course from the following:

- SOCL 640 - Advanced Sociological Theory 3 hrs
- SOCL 643 - Organizations and Networks 3 hrs

## One course from the following:

- SOCL 504 - Demographic Analysis 3 hrs
- SOCL 636 - Qualitative Analysis 3 hrs
- SOCL 641 - Theory Construction and Verification 3 hrs

## Elective Courses: 0-10 hours

*Elective courses should be selected in consultation with the graduate coordinator. Any graduate-level course in sociology, criminology or anthropology (except for those counted as required courses) are eligible for elective credit.*

## Cognate Courses: 0-9 hours

*Graduate level courses taken through departments/disciplines other than sociology, anthropology or criminology constitute cognate credit. These choices should be made in consultation with the Graduate Coordinator.*

**Program Total: 31-34 hours**

**Note:**

*\* Two semesters (four credit hours) of supervised field experience, approved by graduate coordinator and department head to provide experience in either evaluation research or some aspects of applied sociology.*

## **Anthropology**

### **ANTH 445 - Culture Analysis Seminar**

A culminating course examining "culture" - the key subject matter of cultural anthropology - in reference to the foundational disciplinary perspectives of holism, comparativism, and relativism. The course gives particular attention to the acquisition of cultural reflexivity, and to the distinction between ethnography and ethnology as it effects both research practice and its rhetorical expressions in discipline-specific writing.

**Credit Hours:** 3 hrs

**Prerequisites:** ANTH 135

**Course Revisions:** This undergraduate course will be available to graduate students for graduate credit, effective Winter 2013.

**Last Updated:** Grad Credit approved 02/2012, effective Winter 2013

### **ANTH 502 - Racial and Cultural Minorities**

Racial and cultural minorities in the modern world, with particular reference to African Americans and to European and Asian immigrants in the United States; racial myths, doctrines and movements; conflict and accommodation of majority and minority peoples; proposed solutions of ethnic problems. Not open to students with credit in ANTH 214/SOCL 214.

**Credit Hours:** 3 hrs

**Cross-listed with:** SOCL 502

**Last Updated:** Links 04/2011

### **ANTH 509 - Personality and Social Systems**

The cross-cultural study of personality and sociocultural systems. Attention is paid to modal personality types as these relate to group structure, socialization and social structure. Individual differences are not studied. Not open to students with credit in ANTH 309/SOCL 309.

**Credit Hours:** 2 hrs

**Cross-listed with:** SOCL 509

**Last Updated:** Links 04/2011

### **ANTH 522 - Globalization: Race/Ethnicity, Class and Gender**

This course provides critical perspectives on the globalization process with race/ethnicity, class and gender as the central themes. Topics may include: theoretical issues pertaining to the study of globalization; production and reproduction in the global economy; paid and unpaid labor and its relationship to globalization; development experience in East Asia and Russia;



alternatives to corporate globalization; the reclaiming of the "commons;" global environmental issues raised by the consideration of race/ ethnicity, class and gender.

**Credit Hours:** 3 hrs

**Cross-listed with:** SOCL 522, WGST 522

**Last Updated:** Links 04/2011

### **ANTH 530 - Museum Anthropology**

This course is a practicum in museology, aimed at clarifying the foundational role of anthropology in Museum Studies. Through this course students will acquire a fuller understanding of the theoretical and methodological issues at the core of conservation in general and cultural heritage interpretation in particular. The outcome of the course will be a capacity to apply the theoretical underpinnings of museum studies in the professional exercise of research exhibit-and-presentation practice.

**Credit Hours:** 3 hrs

**Repeatable:** No

**Last Updated:** New Course 07/2011, effective Fall 2011

### **ANTH 579 - Special Topics in Cultural Museum Studies**

**Credit Hours:** 3 hrs

**Cross-listed with:** CLMS 579

**Last Updated:** New course 12/2011, effective Winter 2012

### **ANTH 587 - Coop-Education in Cultural Museum Studies**

**Credit Hours:** 3 hrs

**Cross-listed with:** CLMS 587

**Last Updated:** New course 12/2011, effective Winter 2012

### **ANTH 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **ANTH 687 - Internship in Cultural Museum Studies**

**Credit Hours:** 4 hrs

**Cross-listed with:** CLMS 687

**Last Updated:** New course 12/2011, effective Winter 2012

### **ANTH 688 - Internship in Cultural Museum Studies**

**Credit Hours:** 5 hrs

**Cross-listed with:** CLMS 688

**Last Updated:** New course 12/2011, effective Winter 2012

## **ANTH 689 - Internship in Cultural Museum Studies**

**Credit Hours:** 6 hrs

**Cross-listed with:** CLMS 689

**Last Updated:** New course 12/2011, effective Winter 2012

## **ANTH 697 - Independent Study in Cultural Museum Studies**

Opportunities are provided for the selection and completion of an individual study under the direction of a University faculty member. An approved written proposal is required. Both "Independent Study" and "Research Proposal Format" guideline sheets are available from the department.

**Credit Hours:** 1 hr

**Cross-listed with:** CLMS 697

**Last Updated:** New course 12/2011, effective Winter 2012

## **ANTH 698 - Independent Study in Cultural Museum Studies**

Opportunities are provided for the selection and completion of an individual study under the direction of a University faculty member. An approved written proposal is required. Both "Independent Study" and "Research Proposal Format" guideline sheets are available from the department.

**Credit Hours:** 2 hrs

**Cross-listed with:** CLMS 698

**Last Updated:** New course 12/2011, effective Winter 2012

## **ANTH 699 - Independent Study in Cultural Museum Studies**

Opportunities are provided for the selection and completion of an individual study under the direction of a University faculty member. An approved written proposal is required. Both "Independent Study" and "Research Proposal Format" guideline sheets are available from the department.

**Credit Hours:** 3 hrs

**Cross-listed with:** CLMS 699

**Last Updated:** New course 12/2011, effective Winter 2012

## **Criminology**

### **CRM 502 - Miscarriages of Justice**

This course examines the causes and consequences of the wrongful conviction of innocent individuals within the American criminal justice system. The course focuses on three broad topics: 1. The flaws and mistakes that can lead to the wrongful conviction of innocent people; 2. The mechanisms by which these mistakes are brought to light and remedies that can reduce their occurrences; and 3. The consequences of a wrongful conviction for the innocent individuals affected.

**Credit Hours:** 3 hrs

### **CRM 506 - Criminology**

The study of the nature, measurement, types and causes of crime.

**Credit Hours:** 3 hrs

### **CRM 507 - Criminal Justice in Contemporary Society**

The course gives critical analysis of various components of criminal justice. Interrelationships to broader societal processes are stressed. Focus is directed on the police, courts and parts of the punitive/correctional apparatus.

**Credit Hours:** 2 hrs

### **CRM 513 - Social Deviance**

The development of deviant self-conceptions; social psychological processes of group alienation and individual estrangements. Deviant behavior patterns and the development of deviant careers; theories of deviance.

**Credit Hours:** 3 hrs

**Cross-listed with:** SOCL 513

**Last Updated:** Links 05/2011

### **CRM 521 - Violence and Nonviolence**

An examination of the spheres, connections, and reciprocal relations of violence and nonviolence at the interpersonal, institutional, and structural levels of social life is provided as a means of assessing the values of adversarialism and mutualism.

**Credit Hours:** 3 hrs

**Cross-listed with:** SOCL 521

**Last Updated:** Links 05/2011

### **CRM 547 - Advanced Studies in Criminology**

An intensive analysis of selected problems in criminology and the application of criminology to policies and programs of crime prevention and control.

**Credit Hours:** 3 hrs

### **CRM 560 - Domestic Violence and Sexual Assault**

A comprehensive study of the physical, sexual and emotional abuse that disproportionately affects women. Topics include theories of violence and intervention strategies.

**Credit Hours:** 3 hrs

**Cross-listed with:** SOCL 560, WGST 560

**Last Updated:** Links 05/2011

### **CRM 590 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

### **CRM 591 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

### **CRM 592 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

### **CRM 597 - Independent Study**

Intensive study of a criminological problem or theory, supervised by a member of the criminology faculty.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **CRM 598 - Independent Study**

Intensive study of a criminological problem or theory, supervised by a member of the criminology faculty.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **CRM 599 - Independent Study**

Intensive study of a criminological problem or theory, supervised by a member of the criminology faculty.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **CRM 610 - Theories of Criminal Behavior**

Consideration of major theories of criminal and delinquent causation. Emphasis on sociological factors in criminal acts, and dynamics of criminal and delinquent behavior.

**Credit Hours:** 3 hrs

**Prerequisites:** SOCL 677

**Last Updated:** Links 05/2011

### **CRM 611 - Sociology of Crime and Its Correction**

Punishment, rehabilitation and contemporary correctional policies; the courts and criminal responsibility; the social structure of correctional organizations and institutions, and their effect on the correctional process.

**Credit Hours:** 3 hrs

### **CRM 620 - Controversies in Policing**

This course will expose students to a variety of controversial issues relating to the police. Specifically, the course will focus on community policing, police discretionary powers, police use of force, police corruption, racial profiling, the police role in crime rates, gender and policing, and "high profile" crimes.

**Credit Hours:** 3 hrs

### **CRM 639 - Continuous Enrollment**

Graduate students who are completing research (Master's or Specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Course is offered on a credit/no-credit basis

### **CRM 650 - Media, Crime and Justice**

An examination of the intersecting roles of media, crime and justice and how the three converge to influence policies of social control.

**Credit Hours:** 3 hrs

### **CRM 666 - Global Criminology**

A global study of crime and justice from the perspective of transnational, international, and comparative criminologies as these examine the scope and structure of crime and justice worldwide.

**Credit Hours:** 3 hrs

**Class Restrictions:** Master students only

### **CRM 679 - Special Topics**

A brief, intensive exploration of specific aspects of crime and its relationship to social organization. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

### **CRM 680 - Special Topics**

A brief, intensive exploration of specific aspects of crime and its relationship to social organization. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

### **CRM 681 - Special Topics**

A brief, intensive exploration of specific aspects of crime and its relationship to social organization. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

### **CRM 683 - Workshop in Crime and the Community**

A brief, intensive exploration of specific aspects of crime and its relationship to social organization.

**Credit Hours:** 2 hrs

### **CRM 690 - Thesis**

Completion of research and/or analytical problem, writing of thesis and committee approval of same.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **CRM 691 - Thesis**

Completion of research and/or analytical problem, writing of thesis and committee approval of same.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **CRM 692 - Thesis**

Completion of research and/or analytical problem, writing of thesis and committee approval of same.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **CRM 697 - Independent Study**

Intensive study of a criminological problem or theory, supervised by a member of the criminology faculty.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **CRM 698 - Independent Study**

Intensive study of a criminological problem or theory, supervised by a member of the criminology faculty.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **CRM 699 - Independent Study**

Intensive study of a criminological problem or theory, supervised by a member of the criminology faculty.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **Cultural Museum Studies**

### **CLMS 579 - Special Topics in Cultural Museum Studies**

**Credit Hours:** 3 hrs

**Cross-listed with:** ANTH 579

**Last Updated:** New course 12/2011, effective Winter 2012

### **CLMS 587 - Coop-Education in Cultural Museum Studies**

**Credit Hours:** 3 hrs

**Cross-listed with:** ANTH 587

**Last Updated:** New course 12/2011, effective Winter 2012

### **CLMS 687 - Internship in Cultural Museum Studies**

**Credit Hours:** 4 hrs

**Cross-listed with:** ANTH 687

**Last Updated:** New course 12/2011, effective Winter 2012

### **CLMS 688 - Internship in Cultural Museum Studies**

**Credit Hours:** 5 hrs

**Cross-listed with:** ANTH 688

**Last Updated:** New course 12/2011, effective Winter 2012

### **CLMS 689 - Internship in Cultural Museum Studies**

**Credit Hours:** 6 hrs

**Cross-listed with:** ANTH 689

**Last Updated:** New course 12/2011, effective Winter 2012

### **CLMS 697 - Independent Study in Cultural Museum Studies**

Opportunities are provided for the selection and completion of an individual study under the direction of a University faculty member. An approved written proposal is required. Both "Independent Study" and "Research Proposal Format" guideline sheets are available from the department.

**Credit Hours:** 1 hr

**Cross-listed with:** ANTH 697

**Last Updated:** New course 12/2011, effective Winter 2012

## **CLMS 698 - Independent Study in Cultural Museum Studies**

Opportunities are provided for the selection and completion of an individual study under the direction of a University faculty member. An approved written proposal is required. Both "Independent Study" and "Research Proposal Format" guideline sheets are available from the department.

**Credit Hours:** 2 hrs

**Cross-listed with:** ANTH 698

**Last Updated:** New course 12/2011, effective Winter 2012

## **CLMS 699 - Independent Study in Cultural Museum Studies**

Opportunities are provided for the selection and completion of an individual study under the direction of a University faculty member. An approved written proposal is required. Both "Independent Study" and "Research Proposal Format" guideline sheets are available from the department.

**Credit Hours:** 3 hrs

**Cross-listed with:** ANTH 699

**Last Updated:** New course 12/2011, effective Winter 2012

## **Sociology**

### **SOCL 500 - Man in Society**

Basic concepts, theory and analysis of social structures, social process and social disorganization. Not open to students with credit in SOCL 105.

**Credit Hours:** 2 hrs

**Notes:** Graduate students not majoring in sociology, but desiring a cognate in the department may elect courses SOCL 500-509 for cognate credit, in consultation with their advisers.

**Last Updated:** Links 06/2011

### **SOCL 502 - Racial and Cultural Minorities**

Racial and cultural minorities in the modern world, with particular reference to African Americans and to European and Asian immigrants in the United States; racial myths, doctrines and movements; conflict and accommodation of majority and minority peoples; proposed solutions of ethnic problems.

**Credit Hours:** 3 hrs

**Cross-listed with:** ANTH 502

**Notes:** Not open to students with credit in SOCL 214/ANTH 214

**Last Updated:** Links 05/2011

### **SOCL 503 - The Family as an Institution**

The goal of this course is to help students place contemporary debates over family within the larger historical and Cross-cultural context of filial variation. We will explore classic approaches to the study of family, kinship and social structure before examining the peculiar forms of institutionalization associated with modern families.

**Credit Hours:** 3 hrs



**Notes:** Not open to students with credit in SOCL450.

**Last Updated:** description change 11/2012, effective Winter 2013

### **SOCL 504 - Demographic Analysis**

The analysis of population dynamics, with special emphasis on applied research, using computer simulation. Focus on the social, political and economic implications of the relationships among human numbers, population composition and resources.

**Credit Hours:** 3 hrs

### **SOCL 508 - Advanced Social Psychology**

Advanced study of social cultural, and neuro-biological influences on behavior, cognition, emotion and attitude as understood through the intellectual history of social psychological thought, methods, theories.

**Credit Hours:** 3 hrs

**Notes:** Not open to students with credit in SOCL308/PSY309.

**Last Updated:** description change 11/2012, effective Winter 2013

### **SOCL 509 - Personality and Social Systems**

The cross-cultural study of personality and sociocultural systems. Attention is paid to modal personality types as these relate to group structure, socialization and social structure. Individual differences are not studied.

**Credit Hours:** 2 hrs

**Cross-listed with:** ANTH 509

**Notes:** Not open to students with credit in SOCL 309/ANTH 309

**Last Updated:** Links 05/2011

### **SOCL 513 - Social Deviance**

The development of deviant self-conceptions; social psychological processes of group alienation and individual estrangement. Deviant behavior patterns and the development of deviant careers; theories of deviance.

**Credit Hours:** 3 hrs

**Cross-listed with:** CRM 513

**Last Updated:** Links 05/2011

### **SOCL 515 - Sociology of Women**

The course examines the changing role of women in American institutions, especially in the world of work and in the family. Materials on minority and working-class women will be included.

**Credit Hours:** 3 hrs

**Cross-listed with:** WGST 515

**Last Updated:** Links 05/2011

### **SOCL 521 - Violence and Nonviolence**

An examination of the spheres, connections, and reciprocal relations of violence and nonviolence at the interpersonal, institutional, and structural levels of social life is provided as a means of assessing the values of adversarialism and mutualism.

**Credit Hours:** 3 hrs  
**Cross-listed with:** CRM 521  
**Last Updated:** Links 05/2011

## **SOCL 522 - Globalization: Race/Ethnicity, Class and Gender**

This course provides critical perspectives on the globalization process with race/ethnicity, class, and gender as the central themes. Topics may include: theoretical issues pertaining to the study of globalization; production and reproduction in the global economy; paid and unpaid labor and its relationship to globalization; development experience in East Asia and Russia; alternatives to corporate globalization; the reclaiming of the "commons"; global environmental issues raised by the consideration of race/ ethnicity, class, and gender.

**Credit Hours:** 3 hrs  
**Cross-listed with:** WGST 522/ANTH 522  
**Last Updated:** Links 05/2011

## **SOCL 556 - Global Women: A Cross-Cultural Approach**

An overview of how globalization processes - economic, cultural and political - impact women and gender inequalities across countries and cultures. The course examines the intersections of gender and work, race, ethnicity, family, religion, and political participation from an international comparative approach, and how the internationalization of women's rights and organizations has been redefining feminism worldwide.

**Credit Hours:** 3 hrs  
**Class Restrictions:** Restricted to students with Senior, Graduate Certificate or Masters status  
**Cross-listed with:** SOCL 456, WGST 456 and WGST 556  
**Last Updated:** Links 05/2011

## **SOCL 560 - Domestic Violence and Sexual Assault**

A comprehensive study of the physical, sexual and emotional abuse that disproportionately affects women. Topics include theories of violence and intervention strategies.

**Credit Hours:** 3 hrs  
**Cross-listed with:** CRM 560 and WGST 560  
**Last Updated:** Links 05/2011

## **SOCL 590 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

## **SOCL 591 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

### **SOCL 592 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

### **SOCL 597 - Independent Study**

Intensive study of a sociological problem or theory, supervised by a member of the sociology faculty.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **SOCL 598 - Independent Study**

Intensive study of a sociological problem or theory, supervised by a member of the sociology faculty.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **SOCL 599 - Independent Study**

Intensive study of a sociological problem or theory, supervised by a member of the sociology faculty.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **SOCL 630 - Advanced Social Statistics**

This course will focus considerable attention on nonparametric statistics and will examine the problem of controlling for variables in a statistical sense. Certain classical techniques of multivariate analysis will be included.

**Credit Hours:** 3 hrs

### **SOCL 636 - Qualitative Analysis**

An examination of the methods and techniques of qualitative analysis in sociology. Research will be conducted by class members and reviewed in seminar presentations.

**Credit Hours:** 3 hrs

### **SOCL 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment.

Enrollment enables access to library, health services and other resources.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Notes:** Credit will not apply toward degree completion.

**Terms Offered:** Offered on a credit/no-credit basis.

### **SOCL 640 - Advanced Sociological Theory**

An analysis of contemporary theoretical schools of thought in sociology.

**Credit Hours:** 3 hrs

### **SOCL 641 - Theory Construction and Verification**

Analysis of contemporary strategies in theory, construction and verification. Problems of validity and reliability will be emphasized.

**Credit Hours:** 3 hrs

### **SOCL 642 - Social Stratification Theory and Research**

A comprehensive study of the theories of social stratification, an examination of the problems encountered in attempts at empirical verification of these theories, and an exploration of current research relating to social stratification.

**Credit Hours:** 3 hrs

### **SOCL 643 - Organizations and Networks**

How organizations are created and changed as they struggle to achieve their goals. Theoretical readings and case studies on organizational and inter-organizational dynamics provide theoretical and practical knowledge for students.

**Credit Hours:** 3 hrs

### **SOCL 646 - Research in Family Interaction**

Review of research on family interaction, with particular emphasis on experimental observational studies; power structure role differentiation, communication patterns and coalition formation.

**Credit Hours:** 3 hrs

### **SOCL 647 - Contemporary Community Structure**

Theoretical perspectives in the analysis of urban communities, including urban change, the development of stratification patterns and power structures, and the role of various urban institutions.

**Credit Hours:** 3 hrs

### **SOCL 656 - Human Ecology and Community Development**

An analysis of the forms and development of the urban community; spatial and temporal patterns, organization of urban functions, rural-urban relationships and the current metropolitan trend in the United States.

**Credit Hours:** 3 hrs

### **SOCL 662 - Supervised Field Experience**

Supervised internship in a community agency such as a correctional institution, enforcement agency, human relations committee or city planning agency, or in a project for the rehabilitation of persons in culturally or economically deprived segments of the community. Students are ordinarily placed for two consecutive semesters.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **SOCL 677 - Advanced Methods in Sociological Research**

Relationship of theory and research is stressed; consideration of the research process as a decision-making situation both on the general level of research design and the specific level of special techniques; the process and logic of data analysis.

**Credit Hours:** 3 hrs

### **SOCL 678 - Methods in Social Program Evaluation**

The course is designed to train students in strategies, techniques and issues in social program evaluation. It is concerned both with the design of program evaluations and with their implementation in various social settings.

**Credit Hours:** 3 hrs

### **SOCL 679 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

### **SOCL 680 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

### **SOCL 681 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

## **SOCL 688 - Cooperative Education**

Practical experience in business, industrial or governmental settings that provide job skills.

**Credit Hours:** 3 hrs

**Prerequisites:** degree admission; department permission

## **SOCL 690 - Thesis**

Completion of research and/or analytical problem, writing of thesis and committee approval of same.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

## **SOCL 691 - Thesis**

Completion of research and/or analytical problem, writing of thesis and committee approval of same.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

## **SOCL 692 - Thesis**

Completion of research and/or analytical problem, writing of thesis and committee approval of same.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

## **SOCL 694 - Seminar in Sociology**

The intensive exploration of theoretical and methodological issues in a selected area of sociology. The topic will be announced in the class schedule issued prior to registration.

**Credit Hours:** 2 hrs

## **SOCL 695 - Program Evaluation Skills Development Seminar**

This course offers experience applying the strategies and techniques of evaluation research to specific contexts. Students are apprenticed to University institutes to assist project directors in conducting specific researches.

**Credit Hours:** 3 hrs

**Prerequisites:** SOCL 678

**Last Updated:** Links 05/2011

## **SOCL 697 - Independent Study**

Intensive study of a sociological problem or theory, supervised by a member of the sociology faculty.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **SOCL 698 - Independent Study**

Intensive study of a sociological problem or theory, supervised by a member of the sociology faculty.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **SOCL 699 - Independent Study**

Intensive study of a sociological problem or theory, supervised by a member of the sociology faculty.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

# Women's and Gender Studies Programs and Courses

## Women's and Gender Studies

### Graduate Certificate

### Certificate in Women's and Gender Studies (WGS)

Adviser: Deanna Mihaly, Ph.D.

714Q Pray-Harrold

734.487.1177

dmihaly@emich.edu

#### Graduate Admissions Requirements:

1. A baccalaureate degree (or earned equivalent of a 4-year U.S. bachelor's degree) in any field from an accredited College or University.
2. Prior completion of at least 2 courses with substantial content on women and/or gender (with a grade of B or better), or completion of at least 1 course with substantial content on women and/or gender (with a grade of B or better) and concurrent registration in either WGST 200 or WGST 202.
3. A minimum cumulative undergraduate GPA of 2.75 on a 4.0 scale, with 3.0 in the last half of the undergraduate program, or a minimum 3.0 in graduate course work previously taken.
4. A written statement of 2-3 pages (double-spaced) that demonstrates graduate-level writing and proficiency and includes:
  - An explanation of the student's academic goal--specifically areas in the field of WGST that she/he finds particularly appealing, professors at EMU with whom she/he would like to work with and why, and ideas related to the field of WGST and the role of women in society that she/he hopes to pursue in the course of graduate study.
  - An explanation of the student's professional goals and the ways in which his or her WGST certificate will help to attain those goals.
  - A discussion of any prior professional and/or community-based experience related to women and/or gender, and how that informs the student's understanding of the field of women's and gender studies.
  - An explanation of how previous course work related to women and/or gender shaped that student's desire to pursue further study; e.g. the particular courses and writers that have influenced him or her.
5. Two letters of recommendation from professors, employers, or others addressing the student's professional or academic preparation and ability to successfully complete the graduate certificate.
6. For students whose first language is not English, demonstrated English language proficiency as shown by official test scores of 7 on the International English Language Testing System (IELTS); for the Test of English as a Foreign Language (TOEFL), a 91 on iBT, or 233 on the CBT, or 577 on the PBT; 80 on the Michigan English Language Assessment Battery (MELAB).



## One track from the following: 6 hours

This certificate has two tracks that allow students to focus on the area of study that best complements their academic and/or professional development:

### Women's and Gender Studies Certificate: Globalization Track

*Six hours from the following required courses:*

- WGST 550 - Feminist Thought 3 hrs
- WGST 556 - Global Women: A Cross-Cultural Approach 3 hrs

### Women's and Gender Studies Certificate: Sexualities Track

*Six hours from the following required courses:*

- WGST 550 - Feminist Thought 3 hrs
- WGST 575 - Theories of Sexuality 3 hrs

## Restricted Electives (both tracks): 6 hours

*Six hours from the following courses, chosen in consultation with the Graduate Adviser.*

- ECON 527 - Women and the Economy in Comparative Perspective 3 hrs
- HIST 521 - Studies in the History of Women in Europe 3 hrs
- SOFD 570 - Women and Pedagogy: Life Histories 3 hrs
- SWRK 528 - Practice with Women 2 hrs
- WGST 413 - Women and Aging 3 hrs
- WGST 426 - Topics in Gender and Philosophy 3 hrs
- WGST 443 - Women in Literature 3 hrs
- WGST 515 - Sociology of Women 3 hrs
- WGST 521 - Women and Technology 3 hrs
- WGST 522 - Globalization: Race/Ethnicity, Class and Gender 3 hrs
- WGST 525 - Technology, Social Change and the Role of Women 3 hrs
- WGST 526 - Topics in Feminist Philosophy 3 hrs
- WGST 528 - Technology, Gender and Pop Culture 3 hrs
- WGST 530 - Women in Film 3 hrs
- WGST 542 - Women and Mental Health 2 hrs
- WGST 556 - Global Women: A Cross-Cultural Approach 3 hrs
- WGST 560 - Domestic Violence and Sexual Assault 3 hrs
- WGST 562 - Practice with Lesbian, Gay, Bisexual and Transgender Persons 3 hrs
- WGST 575 - Theories of Sexuality 3 hrs
- WGST 581 - Gender and Education 3 hrs
- WGST 590 - Special Topics 1 hr
- WGST 591 - Special Topics 2 hrs
- WGST 592 - Special Topics 3 hrs
- WGST 617 - Children in Poverty: Educational Implications 2 hrs

- WGST 660 - Teaching for Social and Ecological Justice 3 hrs
- WGST 686 - Practicum 1 hr
- WGST 687 - Practicum 2 hrs
- WGST 688 - Practicum 3 hrs
- WGST 689 - Practicum 4 hrs
- WGST 697 - Independent Study 1 hr
- WGST 698 - Independent Study 2 hrs
- WGST 699 - Independent Study 3 hrs

Certificate Total: 12 hours

## Master's

### Master of Arts in Women's and Gender Studies (WGST)

Adviser: Deanna Mihaly, Ph.D.  
 714Q Pray-Harrold  
 734.487.1177  
 dmihaly@emich.edu

#### Objectives

This degree explores the conceptual, analytical and practical aspects of women and gender in a global context. The interdisciplinary nature of the women's and gender studies program allows students, in consultation with the graduate adviser, to create tailored programs of study designed to meet their goals. The program draws upon a range of courses in the Colleges of Arts and Sciences, Business, Education, Health and Human Services and Technology. This highly flexible program fosters scholarly debate and develops research skills for students seeking employment in business, industry, government or the nonprofit sector. Persons already employed will find the program useful to their professional advancement.

#### Admission Requirements

##### Graduate admission requirements:

1. A bachelor's degree in any field.
2. Prior completion of at least two courses with substantial content on women and/or gender and a grade of B or better.
3. A 2.75 undergraduate GPA overall, a 3.0 in the last half cumulative undergraduate GPA, or a minimum 3.0 in graduate course work previously taken. Please comment on any grades that are not within this range.
4. The applicant must write and submit a 2-3 page (double spaced) personal statement. The personal statement must be written in such a way as to demonstrate graduate-level writing proficiency and must include the following elements:
  - an explanation of your academic goals: specifically, areas of the field of WGST that you find particularly appealing; professors at EMU with whom you would like to work and why; research questions about the field of WGST and the role of women in society that you hope to pursue in the course of your graduate study;
  - an explanation of your professional goals and the ways in which your WGST graduate degree will help you attain these goals;
  - a discussion of any prior professional and/or community-based experience related to women and/or gender and how that informs your understanding of the field of women's and gender studies; and

- an explanation of how previous course work related to women and/or gender shaped your desire to pursue further study. What particular courses and writers have influenced you?
5. Two letters of recommendation from former professors addressing the candidate's preparation and ability to successfully complete graduate work.
  6. For students whose first language is not English, demonstrated English Language proficiency as shown by official test scores on the International English Language Testing System. For the Test of English as a Foreign Language (TOEFL), students need a 90-91 on the IBT, a 233 on the CBT, or a 577 on the PBT, or they need a score of 80 on the Michigan English Language Assessment Battery (MELAB).

### **Conditional Admission**

Students not meeting regular admission requirements may be admitted on a conditional basis with the approval of the program director.

### **Non-Degree Admissions**

Students not meeting the GPA requirement may be granted non-degree admission with the permission of the WGST program director and the Graduate School.

### **Degree Requirements**

Students will develop competencies through core requirements, restricted electives and complementary concentrations.

## **Core Courses: 12 hours**

Students should consult the director and/or adviser for other approved women's and gender studies courses offered each semester. The M.A. in Women's and Gender Studies is distributed among core courses, restricted elective courses and complementary concentration courses as follows:

## **Required Courses: 6 hours**

- WGST 550 - Feminist Thought 3 hrs
- WGST 608 - Colloquium: Research on Women's Issues 3 hrs

## **Six hours from one of the three options:**

### **Option I**

- WGST 686 - Practicum 1 hr
- WGST 687 - Practicum 2 hrs
- WGST 688 - Practicum 3 hrs
- WGST 689 - Practicum 4 hrs

### **Option II**

- WGST 690 - Thesis 1 hr
- WGST 691 - Thesis 2 hrs
- WGST 692 - Thesis 3 hrs

### **Option III**

- WGST 694 - Final Project 1 hr
- WGST 695 - Final Project 2 hrs
- WGST 696 - Final Project 3 hrs

## Restricted Elective Courses: 6 hours

*Select six hours from the following courses (others by permission):*

- ANTH 522 - Globalization: Race/Ethnicity, Class and Gender 3 hrs
- CRM 560 - Domestic Violence and Sexual Assault 3 hrs
- ECON 527 - Women and the Economy in Comparative Perspective 3 hrs
- EDPS 617 - Children in Poverty: Educational Implications 3 hrs
- HIST 521 - Studies in the History of Women in Europe 3 hrs
- HIST 525 - Technology, Social Change and the Role of Women 3 hrs
- HLED 565 - Women's Health 3 hrs
  
- PHIL 526 - Topics in Feminist Philosophy (NEW COURSE) 3 hrs
- OR**
- WGST 526 - Topics in Feminist Philosophy 3 hrs
  
- PSY 542 - Women and Mental Health 2 hrs
- SOCL 515 - Sociology of Women 3 hrs
- SOCL 522 - Globalization: Race/Ethnicity, Class and Gender 3 hrs
- SOCL 560 - Domestic Violence and Sexual Assault 3 hrs
- SOFD 570 - Women and Pedagogy: Life Histories 3 hrs
- SOFD 581 - Gender and Education 3 hrs
- SOFD 660 - Teaching for Social and Ecological Justice 3 hrs
- STS 521 - Women and Technology 3 hrs
- STS 528 - Technology, Gender and Pop Culture 3 hrs
- SWRK 562 - Practice with Lesbian, Gay, Bisexual and Transgender Persons 3 hrs
- WGST 515 - Sociology of Women 3 hrs
- WGST 521 - Women and Technology 3 hrs
- WGST 522 - Globalization: Race/Ethnicity, Class and Gender 3 hrs
- WGST 525 - Technology, Social Change and the Role of Women 3 hrs
- WGST 528 - Technology, Gender and Pop Culture 3 hrs
- WGST 530 - Women in Film 3 hrs
- WGST 542 - Women and Mental Health 2 hrs
- WGST 560 - Domestic Violence and Sexual Assault 3 hrs
- WGST 562 - Practice with Lesbian, Gay, Bisexual and Transgender Persons 3 hrs
- WGST 575 - Theories of Sexuality 3 hrs
- WGST 581 - Gender and Education 3 hrs
- WGST 590 - Special Topics 1 hr
- WGST 591 - Special Topics 2 hrs
- WGST 592 - Special Topics 3 hrs
- WGST 617 - Children in Poverty: Educational Implications 2 hrs
- WGST 660 - Teaching for Social and Ecological Justice 3 hrs
- WGST 697 - Independent Study 1 hr
- WGST 698 - Independent Study 2 hrs

- WGST 699 - Independent Study 3 hrs

## Complementary Concentration Courses: 12 hours

*Students must select two or more complementary concentrations in other fields. A minimum of four hours is required in each of the complementary areas of study (12 hours total required). Students must consult with the women's and gender studies director or the women's and gender studies adviser for specific courses in each area that are approved for women and gender studies credit.*

Possible complementary concentrations:

Communication, Media and Theatre Arts  
 Economics  
 Educational Leadership  
 Educational Psychology  
 English Language and Literature  
 Gerontology  
 Counseling  
 History  
 Technology Studies/Nonprofit Management  
 Management  
 Philosophy  
 Political Science  
 Psychology  
 Social Foundations of Education  
 Social Work  
 Sociology

**Program Total: 30 hours**

## Undergraduate Courses for Graduate Credit: Women's and Gender Studies

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form from the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- WGST 413 - Women and Aging 3 hrs
- WGST 426 - Topics in Gender and Philosophy 3 hrs
- WGST 443 - Women in Literature 3 hrs
- WGST 445 - Sexualities in Literature and Culture 3 hrs

## Women's and Gender Studies

### WGST 413 - Women and Aging

Designed to provide social work, women's studies, and gerontology students with the skills and sensitivity to understand the issues, needs and positive attributes of women as they grow older. Students will examine the lives of women in special groups, such as older minority women, caregivers, widows and institutionalized elderly women. Students will learn skills to provide

effective services to older women in a variety of human service settings.

**Credit Hours:** 3 hrs

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Cross-listed with:** SWRK 413

**Last Updated:** Graduate Credit 07/2011; Links 04/2011

## **WGST 426 - Topics in Gender and Philosophy**

An examination of gender and its relationship to other issues from a philosophical perspective. Possible topics include rationality, sexuality, aesthetics, ethics and political theory.

**Credit Hours:** 3 hrs

**Prerequisites:** two courses in philosophy or instructor permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Cross-listed with:** PHIL 426

**Last Updated:** Graduate Credit 07/2011; Links 04/2011

## **WGST 443 - Women in Literature**

A study of women and their experiences as described in literature.

**Credit Hours:** 3 hrs

**Prerequisites:** two courses in literature

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Cross-listed with:** LITR 443

**Last Updated:** Graduate Credit 07/2011; Links 04/2011

## **WGST 445 - Sexualities in Literature and Culture**

A seminar devoted to theorizing and articulating the relationships between literature and culture, focusing on the diverse and shifting forms of sexuality manifested in the cultural imagination across several literary periods.

**Credit Hours:** 3 hrs

**Prerequisites:** Six hours of 300-level course work in one of the following prefixes-ENGL, LITR, HIST, PHIL - or Department Permission

**Cross-listed with:** LITR 445

**Last Updated:** New Course, 11/2012, effective Winter 2013

## **WGST 515 - Sociology of Women**

The course examines the changing role of women in American institutions, especially in the work force and in the family. Materials on minority and working-class women will be included.

**Credit Hours:** 3 hrs

**Cross-listed with:** SOCL 515

**Last Updated:** Links 04/2011

## **WGST 521 - Women and Technology**

This course surveys gender issues surrounding technology development, transfer and use. We will examine the gender implications of technologies used in everyday life, particularly those that apply to work, health, reproduction, education, and communication. Historical and cross-cultural/global perspectives will be integrated into course themes.

**Credit Hours:** 3 hrs  
**Cross-listed with:** STS 521  
**Last Updated:** Links 04/2011

### **WGST 525 - Technology, Social Change and the Role of Women**

This course examines the nature, origins and development of technology and its impact on women in the United States and Europe. We will explore problems stemming from current technological advances.

**Credit Hours:** 3 hrs  
**Cross-listed with:** HIST 525  
**Last Updated:** Links 04/2011

### **WGST 526 - Topics in Feminist Philosophy**

Applies philosophical and feminist perspectives on women to the study of special topics in philosophy. Topics may include: epistemology, science, ethics, law, history of philosophy, multicultural responses to philosophy of women and continental perspectives.

**Credit Hours:** 3 hrs  
**Prerequisites:** WGST 550  
**Cross-listed with:** PHIL 526  
**Last Updated:** Cross-Listed Course Change 09/2012, effective Winter 2012; Links 04/2011

### **WGST 528 - Technology, Gender and Pop Culture**

The application of pop cultural theory and practice provides in-depth understanding about the impact of technology on cultural definitions of masculine and feminine identity. Critical examination of film, literature and material culture, reflects ideas about whether technologies are themselves gendered and how gendered perceptions and stereotypes promoted by technological ideologies reveal individual and community values.

**Credit Hours:** 3 hrs  
**Cross-listed with:** STS 528  
**Last Updated:** Links 04/2011

### **WGST 530 - Women in Film**

This course examines relations between women and film. Various techniques for critical analysis are used to study how film represents gender, race, class, sexuality and culture. Possible topics include women as filmmakers, representations of women and women as spectators.

**Credit Hours:** 3 hrs

### **WGST 542 - Women and Mental Health**

Focus on theory and research concerning women's responses to life stresses, women as clients in psychotherapy and the role of the female mental health professional.

**Credit Hours:** 2 hrs

**Prerequisites:** one course in psychology.

**Cross-listed with:** PSY 542

**Last Updated:** Links 04/2011

## **WGST 550 - Feminist Thought**

Feminist Thought provides a scholarly overview of the literature and methodology of feminist studies in such disciplines as history, psychology, literature, sociology, anthropology, economics, religion, health, law and politics.

**Credit Hours:** 3 hrs

## **WGST 556 - Global Women: A Cross-Cultural Approach**

An overview of how globalization processes - economic, cultural and political - impact women and gender inequalities across countries and cultures. The course examines the intersections of gender and work, race, ethnicity, family, religion, and political participation from an international comparative approach, and how the internationalization of women's rights and organizations has been redefining feminism worldwide.

**Credit Hours:** 3 hrs

**Class Restrictions:** Restricted to students with Senior, Graduate Certificate or Masters standing

**Cross-listed with:** SOCL 456, SOCL 556 and WGST 456

**Last Updated:** Links 04/2011

## **WGST 560 - Domestic Violence and Sexual Assault**

A comprehensive study of the physical, sexual and emotional abuse that disproportionately affects women. Topics include theories of violence and intervention strategies.

**Credit Hours:** 3 hrs

**Cross-listed with:** CRM 560, SOCL 560

**Last Updated:** Links 04/2011

## **WGST 562 - Practice with Lesbian, Gay, Bisexual and Transgender Persons**

This course exposes students to a wide array of life experiences of lesbian, gay, bi-attractional and transgender persons by listening to their own words-spoken, written, on film and through personal interviews. It develops a deeper contextual knowledge and understanding of life courses taken by sexual minorities.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Cross-listed with:** SWRK 562

**Last Updated:** Links 04/2011

## **WGST 565 - Women's Health (NEW COURSE)**

This class will provide an integrated, multidisciplinary approach to women's health. Methods include: lectures, discussion, cooperative group activity, self-awareness activities and use of the World Wide Web.

**Credit Hours:** 3 hrs



**Cross-listed with:** HLED 565

**Last Updated:** New Course 06/2012, Effective Winter 2013

### **WGST 575 - Theories of Sexuality**

An interdisciplinary seminar examining lesbian, gay and bisexual literature, experience and theories of sexuality in relation to the study of women and gender.

**Credit Hours:** 3 hrs

### **WGST 581 - Gender and Education**

This course examines the social construction of masculinity and femininity and its impact on the lives of teachers and students in schools.

**Credit Hours:** 3 hrs

**Cross-listed with:** SOFD 581

**Last Updated:** Links 04/2011

### **WGST 590 - Special Topics**

Course content consists of new topics in women's and gender studies taught on an experimental basis, changing from one semester to the next.

**Credit Hours:** 1 hr

### **WGST 591 - Special Topics**

Course content consists of new topics in women's and gender studies taught on an experimental basis, changing from one semester to the next.

**Credit Hours:** 2 hrs

### **WGST 592 - Special Topics**

Course content consists of new topics in women's and gender studies taught on an experimental basis, changing from one semester to the next.

**Credit Hours:** 3 hrs

### **WGST 597 - Independent Study**

Intensive study of a problem or theory relevant to women and gender studies, supervised on an individual basis by a member of the women's studies faculty.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **WGST 598 - Independent Study**

Intensive study of a problem or theory relevant to women and gender studies, supervised on an individual basis by a member of the women's studies faculty.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **WGST 599 - Independent Study**

Intensive study of a problem or theory relevant to women and gender studies, supervised on an individual basis by a member of the women's studies faculty.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **WGST 608 - Colloquium: Research on Women's Issues**

A colloquium exploring research on women's issues.

**Credit Hours:** 3 hrs

**Prerequisites:** WGST 550

**Last Updated:** Links 04/2011

### **WGST 617 - Children in Poverty: Educational Implications**

Course analyzes the critical poverty conditions of young children and families, and implications for educators. Emphasis is on social-psychological development, educational advocacy and interventions that promote understanding of ethnic, cultural and socioeconomic diversity.

**Credit Hours:** 2 hrs

**Cross-listed with:** EDPS 617

**Last Updated:** Links 04/2011

### **WGST 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Notes:** Credit will not apply toward degree completion.

### **WGST 660 - Teaching for Social and Ecological Justice**

An advanced course creating bridges between critical and social theories and pedagogical practices leading to democratic, socially and ecologically just communities. The theoretical foundations of multicultural education, critical and feminist pedagogies, eco-justice pedagogy and service learning are examined. Some preparation in critical social theory required.

**Credit Hours:** 3 hrs

**Prerequisites:** a graduate-level course in SOFD or women's studies.

**Cross-listed with:** SOFD 660

**Last Updated:** Links 04/2011

### **WGST 680 - Special Topics**

Course content consists of new topics in women's and gender studies taught on an experimental basis, changing from one semester to the next.

**Credit Hours:** 2 hrs

### **WGST 681 - Special Topics**

Course content consists of new topics in women's and gender studies taught on an experimental basis, changing from one semester to the next.

**Credit Hours:** 3 hrs

### **WGST 686 - Practicum**

This course will provide supervised field placement in places suitable to a candidate's career goals, including women's centers, women's shelters, personnel and administrative units in large corporations, neighboring community colleges and governmental agencies. Paper required.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **WGST 687 - Practicum**

This course will provide supervised field placement in places suitable to a candidate's career goals, including women's centers, women's shelters, personnel and administrative units in large corporations, neighboring community colleges and governmental agencies. Paper required.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **WGST 688 - Practicum**

This course will provide supervised field placement in places suitable to a candidate's career goals, including women's centers, women's shelters, personnel and administrative units in large corporations, neighboring community colleges and governmental agencies. Paper required.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **WGST 689 - Practicum**

This course will provide supervised field placement in places suitable to a candidate's career goals, including women's centers, women's shelters, personnel and administrative units in large corporations, neighboring community colleges and governmental agencies. Paper required.

**Credit Hours:** 4 hrs

**Prerequisites:** department permission

### **WGST 690 - Thesis**

A substantial and original undertaking in scholarly research designed to deepen and focus the student's interests. The preparation of the thesis will be consistent with the highest professional standards.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **WGST 691 - Thesis**

A substantial and original undertaking in scholarly research designed to deepen and focus the student's interests. The preparation of the thesis will be consistent with the highest professional standards.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **WGST 692 - Thesis**

A substantial and original undertaking in scholarly research designed to deepen and focus the student's interests. The preparation of the thesis will be consistent with the highest professional standards.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **WGST 694 - Final Project**

An intensive, individualized research or creative project in women and gender studies, culminating in an appropriate final project.

**Credit Hours:** 1 hr

**Prerequisites:** WGST 550 and department permission

**Last Updated:** Links 04/2011

### **WGST 695 - Final Project**

An intensive, individualized research or creative project in women and gender studies, culminating in an appropriate final project.

**Credit Hours:** 2 hrs

**Prerequisites:** WGST 550 and department permission

**Last Updated:** Links 04/2011

### **WGST 696 - Final Project**

An intensive, individualized research or creative project in women and gender studies, culminating in an appropriate final project.

**Credit Hours:** 3 hrs

**Prerequisites:** WGST 550 and department permission

**Last Updated:** Links 04/2011

### **WGST 697 - Independent Study**

Intensive study of a problem or theory relevant to women's and gender studies, supervised on an individual basis by a member of the women's and gender studies faculty.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **WGST 698 - Independent Study**

Intensive study of a problem or theory relevant to women's and gender studies, supervised on an individual basis by a member of the women's and gender studies faculty.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **WGST 699 - Independent Study**

Intensive study of a problem or theory relevant to women's and gender studies, supervised on an individual basis by a member of the women's and gender studies faculty.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

# Accounting and Finance Programs and Courses

## Accounting and Finance

### Combined

### Bachelor's-Master's Degree in Accounting

This combined degree program prepares students for careers in public accounting, industry and governmental and nonprofit entities. CPA candidates must have completed 150 hours of education before being admitted as members of the American Institute of Certified Public Accountants and to be licensed in most states.

#### Admission Requirements

Following are the minimal standards for admission to the combined B.B.A and M.S.A. degree program in accounting. Generally, each item should be satisfied, though the candidate's overall record is considered. Transfer credits and grades will be evaluated in terms of Eastern Michigan University equivalency.

Initial admission is dependent on:

1. completion of 90 hours of undergraduate course work including College of Business requirements, General Education requirements and ACC 340 - Intermediate Accounting;
2. a cumulative GPA of 3.0 on a 4.0 scale;
3. the candidate's written statement of personal goals; and
4. an interview with the program adviser.

Admission to the graduate level requires:

1. completion of 120 hours of undergraduate course work including course content noted under initial admission above and the undergraduate components (i.e., required and restricted electives);
2. a GMAT score of 500 (must be taken during the fourth year, so that the candidate's score is received before admission to the fifth year);
3. a cumulative G.P.A. of 3.0 and a 4.0 scale; and
4. completed application and payment of fee to the Graduate School.

Candidates should apply to the graduate program at the beginning of their senior year and take the Graduate Management Admission Test (GMAT) during that same year.

To inquire about the specific requirements and to develop the program of study, contact:

Director of Graduate Business Programs  
404 Gary M. Owen Building  
Eastern Michigan University  
Ypsilanti, MI 48197  
734.487.4444

## Adviser Information:

Undergraduate Office of Academic Services  
734-487-2344  
cob\_undergraduate@emich.edu

## General Education Requirements

*Please see the undergraduate catalog for the General Education Requirements.*

## Additional Requirements: 6 hours

## Undergraduate Program Requirements: 60 hours

## Business Core Courses: 36 hours

## Accounting Core Courses: 21 hours

- \* ACC 540 - Corporate Financial Reporting 3 hrs

## One course from the following:

- \* ACC 544 - Federal Income Taxation 3 hrs

## Restricted Elective: 3 hours

*Select one course from the following. If ACC 344 is selected for the accounting core course requirement, restricted elective course must be from the 500-level:*

- ACC 450 - Internal Auditing 3 hrs
- ACC 475 - International Accounting 3 hrs
- \* ACC 541 - Advanced Financial Accounting 3 hrs
- \*\* ACC 546 - Public and Nonprofit Sector Accounting 3 hrs
- \* ACC 548 - Information Systems Audit and Control 3 hrs
- \* ACC 585 - Federal Taxation of Corporations and Partnerships 3 hrs
- \* ACC 592 - Special Topics 3 hrs
- ACC 510 - Contemporary Accounting Information Systems 3 hrs
- ACC 511 - Accounting for E-Commerce 3 hrs
- ACC 560 - Fraud Examination 3 hrs
- ACC 572 - Investment and Tax Financial Planning 3 hrs
- ACC 584 - Tax Research Methods, Practice and Problems 3 hrs

## Graduate Program Requirements: 24 hours

## Required Accounting Courses: 6 hours

- ACC 567 - Professional Auditing 3 hrs
- ACC 696 - Accounting Theory, Research and Policy 3 hrs

## Restricted Elective Accounting Courses: 12 hours

*Twelve credit hours from the following: Note: If you wish to graduate with one of 4 MSA Tracks (Accounting Information Systems, Internal Auditing, Tax & Financial Planning, and Financial Services) please see The COB Graduate Programs Office when making course selections.*

- ACC 510 - Contemporary Accounting Information Systems 3 hrs
- ACC 511 - Accounting for E-Commerce 3 hrs
- \* ACC 541 - Advanced Financial Accounting 3 hrs
- \*\* ACC 546 - Public and Nonprofit Sector Accounting 3 hrs
- \* ACC 548 - Information Systems Audit and Control 3 hrs
- ACC 584 - Tax Research Methods, Practice and Problems 3 hrs
- \* ACC 585 - Federal Taxation of Corporations and Partnerships 3 hrs
- \* ACC 592 - Special Topics 3 hrs
- ACC 642 - Strategic Cost Management 3 hrs
- ACC 675 - International Accounting and Taxation 3 hrs
- ACC 681 - Special Topics 3 hrs
- ACC 699 - Independent Study 3 hrs

## Restricted Electives: 6 hours

*Select six credit hours from any combination of 500- to 600- level ACC, COB, DS, FIN, IB, IS, OM, MGMT, MKTG, LAW or SCM courses*

## Program Total:

Students must earn a minimum total of 124 credits at the 100-level or above.

## Note:

*Each student must complete a writing intensive course as part of major completion requirements. Consult your adviser for course options.*

*All 200-level core courses listed above must be completed prior to admission to the College of Business.*

*Students must have a 3.0 GPA and a 500 GMAT to be admitted to the graduate portion of the program.*

*\* Students must be admitted to the graduate portion of the program before registering for courses in the graduate section of this program of study. For ACC 540, an exception requiring department approval may be requested.*

*\*\* Students planning on taking the CPA exam in Michigan must take ACC 546.*

# Bachelor's-Master's Degree in Accounting Information Systems



This combined degree program prepares students for careers in public accounting, industry and governmental and nonprofit entities. CPA candidates must have completed 150 hours of education before being admitted as members of the American Institute of Certified Public Accountants and to be licensed in most states.

### **Admission Requirements**

Following are the minimal standards for admission to the combined B.B.A and M.S.A. degree program in accounting. Generally, each item should be satisfied, though the candidate's overall record is considered. Transfer credits and grades will be evaluated in terms of Eastern Michigan University equivalency.

Initial admission is dependent on:

1. completion of 90 hours of undergraduate course work including College of Business requirements, General Education requirements and ACC 340 - Intermediate Accounting;
2. a cumulative GPA of 3.0 on a 4.0 scale;
3. the candidate's written statement of personal goals; and
4. an interview with the program adviser.

Admission to the graduate level requires:

1. completion of 120 hours of undergraduate course work including course content noted under initial admission above and the undergraduate components (i.e., required and restricted electives);
2. a GMAT score of 500 (must be taken during the fourth year, so that the candidate's score is received before admission to the fifth year);
3. a cumulative G.P.A. of 3.0 and a 4.0 scale; and
4. completed application and payment of fee to the Graduate School.

Candidates should apply to the graduate program at the beginning of their senior year and take the Graduate Management Admission Test (GMAT) during that same year.

To inquire about the specific requirements and to develop the program of study, contact:

Director of Graduate Business Programs  
404 Gary M. Owen Building  
Eastern Michigan University  
Ypsilanti, MI 48197  
734.487.4444

### **Adviser Information:**

Undergraduate Office of Academic Services  
734-487-2344  
cob\_undergraduate@emich.edu

## **General Education Requirements**

*Please see the undergraduate catalog for the General Education Requirements.*

**Additional Requirements: 6 hours**

**Undergraduate Requirements: 69 hours**

**Business Core Courses: 36 hours**

**Accounting Information Systems Core Courses: 30 hours**

- \* ACC 548 - Information Systems Audit and Control 3 hrs

**One course from the following:**

- \* ACC 544 - Federal Income Taxation 3 hrs

**Restricted Electives: 3 hours**

- ACC 450 - Internal Auditing 3 hrs
- ACC 475 - International Accounting 3 hrs
- ACC 546 - Public and Nonprofit Sector Accounting 3 hrs
- ACC 550 - Professional Internal Auditing 3
- ACC 560 - Fraud Examination 3 hrs
- ACC 572 - Investment and Tax Financial Planning 3 hrs
- ACC 584 - Tax Research Methods, Practice and Problems 3 hrs
- ACC 585 - Federal Taxation of Corporations and Partnerships 3 hrs
- ACC 592 - Special Topics 3 hrs

**Graduate Program Requirements: 24 hours**

**Required Accounting Courses: 9 hours**

- \* ACC 540 - Corporate Financial Reporting 3 hrs
- ACC 567 - Professional Auditing 3 hrs
- ACC 696 - Accounting Theory, Research and Policy 3 hrs

**Restricted Elective Accounting Courses: 9 hours**

- ACC 510 - Contemporary Accounting Information Systems 3 hrs
- ACC 511 - Accounting for E-Commerce 3 hrs

**One course from the following:**

- \* ACC 541 - Advanced Financial Accounting 3 hrs
- \*\* ACC 546 - Public and Nonprofit Sector Accounting 3 hrs
- ACC 550 - Professional Internal Auditing 3

- ACC 560 - Fraud Examination 3 hrs
- ACC 584 - Tax Research Methods, Practice and Problems 3 hrs
- \* ACC 585 - Federal Taxation of Corporations and Partnerships 3 hrs
- \* ACC 592 - Special Topics 3 hrs
- ACC 642 - Strategic Cost Management 3 hrs
- ACC 675 - International Accounting and Taxation 3 hrs
- ACC 681 - Special Topics 3 hrs
- ACC 699 - Independent Study 3 hrs

## Restricted Electives: 6 hours

*Select six credit hours from any combination of 500- to 600- level ACC, COB, DS, FIN, IB, IS, OM, MGMT, MKTG, LAW or SCM courses*

## Program Total:

Students must earn a minimum total of 124 credits at the 100-level or above.

## Notes:

*Each student must complete a writing intensive course as part of major completion requirements. Consult your adviser for course options.*

*All 200-level core courses listed above must be completed prior to admission to the College of Business.*

*Students must have a 3.0 GPA and a 500 GMAT to be admitted to the graduate portion of the program.*

*\* Students must be admitted to the graduate portion of the program before registering for courses in the graduate section of this program of study. For ACC 540, an exception requiring department approval may be requested.*

*\*\* Students planning on taking the CPA exam in Michigan must take ACC 546.*

## Graduate Certificate

### Graduate Certificate in Finance (FIN)

Admission to the graduate certificate program is limited to students who have completed a bachelor's degree from an accredited institution of higher education with a minimum GPA of 2.7 (on a 4.0 scale). The GMAT is not required for the graduate certificate programs.

Gainful Employment Disclosure

## Required Courses: 15 hours

*Select five courses from the following:*

- FIN 540 - International Finance 3 hrs
- FIN 615 - Financial Markets and Institutions 3 hrs

- FIN 620 - Financial Administration Policies 3 hrs
- FIN 625 - Securities Analysis 3 hrs
- FIN 660 - Advanced Financial Management 3 hrs
- FIN 670 - Risk Management with Derivatives 3 hrs
- FIN 699 - Independent Study 3 hrs

**Certificate Total: 15 hours**

**Note:**

*A maximum of three graduate credit hours may be transferred to a College of Business graduate certificate in an area of specialization. Please view the course description for required prerequisite.*

**Master's**

**Master of Science in Accounting (MSA) (ACC)**

Adviser:

Phil Lewis, Ph.D.  
 406 Owen  
 734.487.6817  
 COB.grad@emich.edu

The M.S.A. program provides a balanced broad education and in-depth understanding of the theoretical and practical concepts of accounting. There are several areas of concentration available and students are given the opportunity to relate accounting topics to other disciplines, as they develop the broad base of knowledge necessary to create, use and audit accounting information systems. The M.S.A. program meets American Institute of CPAs' recommendations and Michigan State Board of Accountancy requirements, if appropriate electives are chosen.

*All programs of study and advising materials are available at [www.accfin.emich.edu](http://www.accfin.emich.edu)*

**Admission Requirements**

**Degree Admission**

Complete and submit to the Office of Admissions all required documents and materials. Domestic applicants must order official transcripts from all institutions attended (undergraduate and graduate) to be sent directly to EMU. International applicants must have transcripts evaluated by Educational Perspectives; see <http://www.edperspective.org/emich/>.

The following priority deadlines have been established for receipt of all application materials required for admission to a graduate program:

Semester/Session	Domestic and International Students
Fall	Feb. 1
Winter	Sept. 1
Spring	Feb. 1

Summer

Feb. 1

Please note applications will be accepted after the priority date, however course selection preferences will not be guaranteed.

Previous academic performance, written statement of personal goals and GMAT score are significant factors considered by the M.S.A. director in the admission process. Generally, as a minimum, the applicant must have an overall undergraduate GPA of 3.0 (on a 4.0 scale) and a GMAT score of 500 or above.

## **Program Requirements**

### **Program Design**

Upon admission to the M.S.A. program, each student must prepare a program of study. The program is reviewed with the student by the M.S.A. adviser to ascertain that it is appropriate given the student's background and career goals. The program of study becomes the student's degree requirement when signed by the student and the M.S.A. adviser. Subsequent changes in course work must be approved by an M.S.A. faculty adviser.

## **Course Requirements**

### **Foundation/Prerequisite Courses: 18 hours**

*Students must complete course work in each of the following foundation areas unless they have satisfactorily completed the undergraduate equivalent.*

- ACC 340 3 hrs
- ACC 342 3 hrs
- ACC 356 3 hrs
- ACC 501 - Accounting Principles 3 hrs
- DS 265 3 hrs
- ECON 500 - Foundations of Economics Analysis 3 hrs

### **Core Courses: 30 hours**

*The M.S.A. program requires the completion of 30 hours of course work to be distributed among required core courses and restricted elective courses as follows:*

### **Required Core Courses: 12 hours**

- ACC 540 - Corporate Financial Reporting 3 hrs
- ACC 544 - Federal Income Taxation 3 hrs
- ACC 567 - Professional Auditing 3 hrs

### **One course from the following:**

- ACC 656 - Accounting, Information Technology and Research 3 hrs
- ACC 696 - Accounting Theory, Research and Policy 3 hrs

### **Restricted Electives (tracks): 12 hours**

*Students do not have to choose a track; recommended tracks are as follows:*

### **Accounting Information Systems:**

- Any 500 or 600 level ACC course not previously taken (3 hrs)
- ACC 510 - Contemporary Accounting Information Systems 3 hrs
- ACC 511 - Accounting for E-Commerce 3 hrs
- ACC 548 - Information Systems Audit and Control 3 hrs

### **Internal Auditing:**

- Any 500 or 600 level ACC course not previously taken (3 hrs)
- ACC 548 - Information Systems Audit and Control 3 hrs
- ACC 560 - Fraud Examination 3 hrs
- ACC 642 - Strategic Cost Management 3 hrs

### **Tax and Financial Planning:**

- Any 500 or 600 level ACC course not previously taken (3 hrs)
- ACC 584 - Tax Research Methods, Practice and Problems 3 hrs
- ACC 585 - Federal Taxation of Corporations and Partnerships 3 hrs
- ACC 572 - Investment and Tax Financial Planning 3 hrs

### **Financial Services and CPA:**

- Any 500 or 600 level ACC course not previously taken (3 hrs)
- ACC 511 - Accounting for E-Commerce 3 hrs
- ACC 541 - Advanced Financial Accounting 3 hrs
- \* ACC 546 - Public and Nonprofit Sector Accounting 3 hrs

### **Other Accounting Courses:**

- ACC 590 - Special Topics 1 hr
- ACC 591 - Special Topics 2 hrs
- ACC 592 - Special Topics 3 hrs
- ACC 675 - International Accounting and Taxation 3 hrs
- ACC 679 - Special Topics 1 hr
- ACC 680 - Special Topics 2 hrs
- ACC 681 - Special Topics 3 hrs
- ACC 697 - Independent Study 1 hr
- ACC 698 - Independent Study 2 hrs
- ACC 699 - Independent Study 3 hrs

**College of Business Electives (Non-ACC): 6 hours**

*Select six hours within the College of Business.*

**Program Total: 30 hours**

## Notes:

*Students having equivalent courses may be required to substitute other courses in the areas of accounting, finance, information systems, management and marketing, as determined by the M.S.A. director/adviser.*

*\* Students planning to take the CPA examination must elect ACC 546 and satisfy the state's general business requirement.*

## Accounting

### ACC 450 - Internal Auditing

Introduction to the profession of internal auditing. Includes professional standards, techniques, scientific methods, reporting, operational auditing and internal audit management.

**Credit Hours:** 3 hrs

**Prerequisites:** (ACC 240 and ACC 241) or ACC 501

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 04/2011

### ACC 456 - Accounting Information Systems Implementation and Projects

A capstone course for the accounting information systems major designed to develop expertise in the implementation of an accounting information system.

**Credit Hours:** 3 hrs

**Prerequisites:** (ACC 356 and IS 380) or department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 04/2011

### ACC 475 - International Accounting

Introduction to accounting in an international environment. Includes the study of environmental factors, performance evaluation, financial reporting and specific accounting and auditing problems.

**Credit Hours:** 3 hrs

**Prerequisites:** ACC 340 or ACC 501 or instructor permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** 4/21/2011 effective Spring 2011; prerequisite change

### ACC 501 - Accounting Principles

Emphasizes analysis of the required financial statements for financial reporting purposes, including discussions of alternative accounting principles generally acceptable in their preparation. Significant emphasis also placed on the impact that business transactions have on a company's financial position. Additional topics include profit-planning techniques, such as cost-volume-profit analysis and budgeting.

**Credit Hours:** 3 hrs  
**Terms Offered:** Course Rotation Schedules  
**Last Updated:** Links 06/2012

## **ACC 510 - Contemporary Accounting Information Systems**

Provides the fundamentals of re-engineering and using and analyzing enterprise systems to produce efficient and effective management information and appropriate analysis and interpretation for strategic management decision-making, with emphasis on accounting applications.

**Credit Hours:** 3 hrs  
**Previously Listed as:** ACC 610  
**Terms Offered:** Course Rotation Schedules  
**Last Updated:** Links 07/2011

## **ACC 511 - Accounting for E-Commerce**

This course explores the e-commerce environment including valuing stock of e-commerce firms, understanding the role of accountants in assessing risk and providing assurance over the authentication of e-commerce transactions, as well as tax and privacy issues.

**Credit Hours:** 3 hrs  
**Prerequisites:** ACC 501  
**Previously Listed as:** ACC 611  
**Terms Offered:** Course Rotation Schedules  
**Last Updated:** Links 04/2011

## **ACC 540 - Corporate Financial Reporting**

An examination of the generally accepted accounting principles used in corporate financial reporting with particular emphasis on advanced topics such as equity, long-term assets and liabilities, revenue recognition, prior period adjustments and cash flows. Also included is the role of the SEC in financial reporting of publicly traded companies.

**Credit Hours:** 3 hrs  
**Prerequisites:** ACC 340  
**Major Restrictions:** Master of Science in Accounting students; and students admitted to the graduate side of the 150-hour BBA-Accounting/MSA and 150-hour BBA-AIS/MSA programs only.  
**Terms Offered:** Course Rotation Schedules  
**Last Updated:** 12/2007; effective Spring 2008

## **ACC 541 - Advanced Financial Accounting**

Specialized topics in accounting with major emphasis on conceptual aspects and reporting of consolidated financial statements, international accounting challenges and foreign currency reporting issues.

**Credit Hours:** 3 hrs  
**Prerequisites:** ACC 540  
**Major Restrictions:** Master of Science in Accounting students; and students admitted to the graduate side of the 150-hour BBA-Accounting/MSA and 150-hour BBA-AIS/MSA programs only.  
**Terms Offered:** Course Rotation Schedules  
**Last Updated:** 12/2007; effective Spring 2008



## **ACC 544 - Federal Income Taxation**

This course is an introductory study of the tax rules governing individuals. It provides a basic knowledge of the tax formula, property transactions and business and personal deductions that facilitates optimum decision-making in both personal and business contexts. This course also provides a foundation for the study of tax planning, research and compliance.

**Credit Hours:** 3 hrs

**Prerequisites:** ACC 240 and ACC 241; or ACC 501

**Major Restrictions:** Master of Science in Accounting students; and students admitted to the graduate side of the 150-hour BBA-Accounting/MSA and 150-hour BBA-AIS/MSA programs only.

**Terms Offered:** Course Rotation Schedules

**Last Updated:** 12/2007; effective Spring 2008

## **ACC 546 - Public and Nonprofit Sector Accounting**

Accounting issues in governmental and nonprofit entities, including financial reporting, managerial accounting, information systems, auditing and regulatory and taxation issues. Also included is the SEC's role in financial reporting.

**Credit Hours:** 3 hrs

**Prerequisites:** ACC 340 or equivalent or department permission

**Major Restrictions:** Master of Science in Accounting students; and students admitted to the graduate side of the 150-hour BBA-Accounting/MSA and 150-hour BBA-AIS/MSA programs only.

**Previously Listed as:** ACC 540

**Terms Offered:** Course Rotation Schedules

**Last Updated:** 12/2007; effective Spring 2008

## **ACC 548 - Information Systems Audit and Control**

This course covers the processing of audit in a computerized accounting information systems environment, and the evaluation of controls and risks in determining audit decisions.

**Credit Hours:** 3 hrs

**Prerequisites:** ACC 356 or ACC 605

**Previously Listed as:** ACC 648

**Terms Offered:** Course Rotation Schedules

**Last Updated:** 12/2007; effective Spring 2008

## **ACC 550 - Professional Internal Auditing**

This course examines the principles of internal auditing as an independent objective assurance and consulting activity designed to add value and improve an organization's operations. Topics include enterprise risk management (ERM); internal control frameworks, such as COSO and COBIT<sup>1</sup> governance; preliminary surveys; audit programs; audit reports; and operational audits.

**Credit Hours:** 3

**Prerequisites:** ACC 240 and ACC 241; or ACC 501; or department permission

**Notes:** Not open for students with credit in ACC 450 Internal Auditing

**Last Updated:** Links 06/2012

## **ACC 560 - Fraud Examination**

This course initially provides a basis in internal audit principles, and then concentrates on the study of fraud examination. Specifics of the course focus on the theories of fraud, the “fraud tree,” fraud awareness, fraud schemes especially those related to financial frauds and fraud deterrence practices. ACC 560 is appropriate for students who have already taken ACC 450 - Internal Auditing or as a separate course for those who have not taken ACC 450.

**Credit Hours:** 3 hrs

**Prerequisites:** ACC 501 or department permission

**Previously Listed as:** ACC 650

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 04/2011

## **ACC 567 - Professional Auditing**

A study of auditing concepts, objectives and procedures, and of the literature as it relates to current audit problems.

**Credit Hours:** 3 hrs

**Prerequisites:** ACC 340 and ACC 356

**Major Restrictions:** Master of Science in Accounting students; and students admitted to the graduate side of the 150-hour BBA-Accounting/MSA and 150-hour BBA-AIS/MSA programs only.

**Previously Listed as:** ACC 667

**Terms Offered:** Course Rotation Schedules

**Last Updated:** 12/2007; effective Spring 2008

## **ACC 572 - Investment and Tax Financial Planning**

This course focuses on the study of tax rules related to financial decisions, including investment, compensation, and business planning. The impact of these rules on employers and employees is studied as well as certain strategies affecting financial planning in both a personal and business context.

**Credit Hours:** 3 hrs

**Prerequisites:** ACC 344 or ACC 544

**Major Restrictions:** Master of Science in Accounting students; and students admitted to the graduate side of the 150-hour BBA-Accounting/MSA and 150-hour BBA-AIS/MSA programs only.

**Previously Listed as:** ACC 672

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Course Number/Description/Prerequisite Change 11/2011, effective Winter 2012; 12/2007, effective Spring 2008

## **ACC 584 - Tax Research Methods, Practice and Problems**

Introduction of tax research methods including identification of tax issues, efficient use of tax resources and effective communication of the research process.

**Credit Hours:** 3 hrs

**Prerequisites:** ACC 501 or (ACC 240 and ACC 241)

**Major Restrictions:** Master of Science in Accounting students; and students admitted to the graduate side of the 150-hour BBA-Accounting/MSA and 150-hour BBA-AIS/MSA programs only.

**Previously Listed as:** ACC 644

**Terms Offered:** Course Rotation Schedules

**Last Updated:** 12/2007; effective Spring 2008

## **ACC 585 - Federal Taxation of Corporations and Partnerships**

Conceptual coverage of the tax rules applicable to corporations and partnerships. It includes the study of organizations, distribution, and liquidation of these entities.

**Credit Hours:** 3 hrs

**Prerequisites:** ACC 501 or (ACC 240 and ACC 241)

**Major Restrictions:** Master of Science in Accounting students; and students admitted to the graduate side of the 150-hour BBA-Accounting/MSA and 150-hour BBA-AIS/MSA programs only.

**Previously Listed as:** Business Tax Planning, ACC 685

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Title and Course Description Change 11/2011, effective Winter 2012; 12/2007, effective Spring 2008

## **ACC 586 - Cooperative Education in Accounting**

Accounting employment at a business or public organization imparting a practical experience in accounting. Position may be part-time, volunteer, or less than a full semester in duration. Does not count toward M.S.A. or MBA requirements. Admittance by application only.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no credit basis

Course Rotation Schedules

**Last Updated:** Links 07/2012

## **ACC 589 - Accounting Internship**

Directed, full-time accounting work experience in a business or public organization. Does not count toward M.S.A. or MBA requirements. Admittance by application only.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no credit basis.

Course Rotation Schedules

**Last Updated:** Links 06/2012

## **ACC 590 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **ACC 591 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission  
**Terms Offered:** Course Rotation Schedules  
**Last Updated:** Links 07/2012

### **ACC 592 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs  
**Prerequisites:** department permission  
**Terms Offered:** Course Rotation Schedules  
**Last Updated:** Links 07/2012

### **ACC 597 - Independent Study**

Directed study or problems in accounting not otherwise treated in department courses.

**Credit Hours:** 1 hr  
**Prerequisites:** department permission  
**Terms Offered:** Course Rotation Schedules  
**Last Updated:** Links 07/2012

### **ACC 598 - Independent Study**

Directed study or problems in accounting not otherwise treated in department courses.

**Credit Hours:** 2 hrs  
**Prerequisites:** department permission  
**Terms Offered:** Course Rotation Schedules  
**Last Updated:** Links 07/2012

### **ACC 599 - Independent Study**

Directed study or problems in accounting not otherwise treated in department courses.

**Credit Hours:** 3 hrs  
**Prerequisites:** department permission  
**Terms Offered:** Course Rotation Schedules  
**Last Updated:** Links 07/2012

### **ACC 605 - Strategic Information and Control Systems**

Builds on the foundation laid in ACC 501 to continue the study and use of accounting information for strategic management, planning, control and managerial decision-making. The objective is for students to recognize the value and limitations of management accounting systems and how accounting information can be used to improve operations.

**Credit Hours:** 3 hrs  
**Prerequisites:** ACC 501 or (ACC 240 and ACC 241) and admission to the MBA program.

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 04/2011

### **ACC 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

### **ACC 642 - Strategic Cost Management**

The role of cost management in strategic quality management. Cost accounting systems for continuous improvement; conceptual design, accounting models, performance measurement and investment performance. Topics also include advanced managerial accounting issues, such as activity based costing, profit and investment centers, project planning and control.

**Credit Hours:** 3 hrs

**Prerequisites:** DS 501 or an undergraduate statistics course; and ACC 605

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 04/2011

### **ACC 646 - Financial Management of Nonprofit Organizations**

Financial management issues in public and nonprofit organizations, including accountability for performance, financial reporting, budgeting and costs, information systems, governance issues, decision-making techniques, relations with governmental and private funding sources. Not available to Accounting Majors.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

### **ACC 656 - Accounting, Information Technology and Research**

A capstone course for the accounting information systems track designed to develop expertise in the implementation of an accounting information system.

**Credit Hours:** 3 hrs

**Prerequisites:** IS 645 or IS 380; and ACC 356

**Major Restrictions:** Master of Science in Accounting students; and students admitted to the graduate side of the 150-hour BBA-Accounting/MSA and 150-hour BBA-AIS/MSA programs only.

**Previously Listed as:** ACC 456G

**Terms Offered:** Course Rotation Schedules

**Last Updated:** 12/2007; effective Spring 2008; Links 06/2011

### **ACC 675 - International Accounting and Taxation**

Introduction to accounting in an international environment. Includes the study of environmental factors, performance evaluation, financial reporting, international taxation and specific accounting and auditing problems.

**Credit Hours:** 3 hrs

**Prerequisites:** ACC 340 or instructor permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Prerequisite Change 08/2011, effective Winter 2012; Links 04/2011

### **ACC 679 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

### **ACC 680 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

### **ACC 681 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

### **ACC 696 - Accounting Theory, Research and Policy**

A capstone course emphasizing and developing an understanding of the many interrelated applications of accounting in organizations and in the broader setting of financial markets.

**Credit Hours:** 3 hrs

**Prerequisites:** ACC 540 and department permission

**Major Restrictions:** Master of Science in Accounting students; and students admitted to the graduate side of the 150-hour BBA-Accounting/MSA and 150-hour BBA-AIS/MSA programs only.

**Terms Offered:** Course Rotation Schedules

**Last Updated:** 12/2007; effective Spring 2008

## **ACC 697 - Independent Study**

Directed study or problems in accounting not otherwise treated in department courses.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **ACC 698 - Independent Study**

Directed study or problems in accounting not otherwise treated in department courses.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **ACC 699 - Independent Study**

Directed study or problems in accounting not otherwise treated in department courses.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **Decision Science**

### **DS 501 - Introductory Probability and Statistics for Business**

The development of fundamental probability concepts and statistical techniques emphasizing their applications to business decision making. Includes the study of probability distributions, sampling, point and interval estimation, and hypothesis testing.

**Credit Hours:** 3 hrs

**Prerequisites:** Level 3 Math Placement or an Elementary placement test score of at least 83 points or a grade of C or better in MATH 098 or MATH 098B or Higher-level math course

**Previously Listed as:** ORI 501

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 06/2011

### **DS 590 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **DS 591 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **DS 592 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **DS 597 - Independent Study**

An intensive study of one or more problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **DS 598 - Independent Study**

An intensive study of one or more problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **DS 599 - Independent Study**

An intensive study of one or more problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **DS 602 - Business Research Methods**



Statistics as a tool to assist in business decision making is emphasized. Computer software, data sets and written reports are utilized extensively. Techniques in the collection and analysis of data include: confidence intervals; hypothesis tests; linear regression, including dummy variables; analysis of variance; and survey design/analysis.

**Credit Hours:** 3 hrs

**Prerequisites:** DS 501 or an undergraduate statistics course

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **DS 605 - Economics of Strategy**

This course develops an economic framework for analyzing strategic decisions of the firm, relying on microeconomic principles, industrial organization, game theory and behavioral economics. Topics include the analysis of firm boundaries; market and competitive analysis (strategic commitment, pricing, barriers to entry and exit) and strategic positioning for competitive advantage. Admission to the MBA program is required.

**Credit Hours:** 3 hrs

**Prerequisites:** DS 501 and ECON 500

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **DS 639 - Continuous Enrollment**

Graduate students who are completing research (Master's or Specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **DS 679 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **DS 680 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **DS 681 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **DS 697 - Independent Study**

An intensive study of one or more problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **DS 698 - Independent Study**

An intensive study of one or more problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **DS 699 - Independent Study**

An intensive study of one or more problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **Finance**

### **FIN 502 - Financial Principles**

Provides beginning graduate students a solid foundation in the general principles of finance. Provides an appreciation of how businesses and households allocate scarce resources over time and when outcomes are uncertain. The primary focus is corporate finance; the course will also introduce financial markets and institutions, and investments.

**Credit Hours:** 3 hrs

**Prerequisites:** ACC 501; ECON 500 is recommended  
**Terms Offered:** Course Rotation Schedules  
**Last Updated:** Links 05/2011

## **FIN 540 - International Finance**

The course covers international aspects of financial investment, capital budgeting, risk analysis, joint ventures and acquisitions, forecasting and protecting against exchange rate changes, capital structure problems of multinational corporations, methods of financing, banking and financial reporting.

**Credit Hours:** 3 hrs  
**Prerequisites:** FIN 502  
**Terms Offered:** Course Rotation Schedules  
**Last Updated:** Links 05/2011

## **FIN 590 - Special Topics**

An in-depth study of a specialized area in finance. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr  
**Prerequisites:** department permission  
**Terms Offered:** Course Rotation Schedules  
**Last Updated:** Links 07/2012

## **FIN 591 - Special Topics**

An in-depth study of a specialized area in finance. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs  
**Prerequisites:** department permission  
**Terms Offered:** Course Rotation Schedules  
**Last Updated:** Links 07/2012

## **FIN 592 - Special Topics**

An in-depth study of a specialized area in finance. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs  
**Prerequisites:** department permission  
**Terms Offered:** Course Rotation Schedules  
**Last Updated:** Links 07/2012

## **FIN 597 - Independent Study**

Directed study of problems in finance not otherwise treated in department courses.

**Credit Hours:** 1 hr  
**Prerequisites:** department permission  
**Terms Offered:** Course Rotation Schedules  
**Last Updated:** Links 07/2012

## **FIN 598 - Independent Study**

Directed study of problems in finance not otherwise treated in department courses.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **FIN 599 - Independent Study**

Directed study of problems in finance not otherwise treated in department courses.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **FIN 615 - Financial Markets and Institutions**

The course provides an analytical foundation for understanding the need for, and characteristics of, financial markets. The role of commercial banks and nonbank financial intermediaries is developed in the broader context of the saving-investment process in an economy.

**Credit Hours:** 3 hrs

**Prerequisites:** FIN 502

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **FIN 620 - Financial Administration Policies**

This course stresses the role of finance in strategic decision making with a view to enhance shareholders' value. Uses the case method of instruction. Topics covered include working capital management, capital budgeting, financing, investment banking, mergers and acquisition, and international finance.

**Credit Hours:** 3 hrs

**Prerequisites:** FIN 502 or FIN 350; Admission to the MBA program is required

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **FIN 625 - Securities Analysis**

This course addresses the major issues of interest to investors and portfolio managers including the optimal allocation of wealth among assets, the valuation of risky assets and the measurement of investment performances of various financial instruments, such as common stocks, bonds, convertibles and options.

**Credit Hours:** 3 hrs

**Prerequisites:** FIN 502

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **FIN 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **FIN 660 - Advanced Financial Management**

This course develops conceptual foundations for making intelligent corporate financial analysis. Advanced concepts in modern corporate finance are examined including issues arising from risky corporate debt, the theory of optimal capital structure, agency theory and economic effects of taxation. Special topics include raising external capital, dividend policy and share repurchases.

**Credit Hours:** 3 hrs

**Prerequisites:** FIN 620

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **FIN 670 - Risk Management with Derivatives**

This course introduces the basic concepts, principles, and practices of derivative securities with primary focus on options and futures contracts. The course will cover derivative markets, pricing of options and futures contracts, and financial risk management. Advanced hedging strategies and securities innovation including real options will be introduced.

**Credit Hours:** 3 hrs

**Prerequisites:** FIN 502

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **FIN 679 - Special Topics**

An in-depth study of a specialized area in finance. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** FIN 620

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **FIN 680 - Special Topics**

An in-depth study of a specialized area in finance. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** FIN 620

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **FIN 681 - Special Topics**

An in-depth study of a specialized area in finance. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** FIN 620

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **FIN 697 - Independent Study**

Directed study of problems in finance not otherwise treated in department courses.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **FIN 698 - Independent Study**

Directed study of problems in finance not otherwise treated in department courses.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **FIN 699 - Independent Study**

Directed study of problems in finance not otherwise treated in department courses.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

# Computer Information Systems Programs and Courses

## Computer Information Systems

### Graduate Certificate

### Graduate Certificate in Computer Information Systems (IS)

Adviser: Hung-Lian Tang, Ph.D.

412 Owen

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#### Admission Requirements

The CIS program provides a learning environment where the students design, develop and deploy a wide range of integrated, end-to-end business applications and services in order to enable small, medium and large organizations to become more connected with customers, employees, partners and suppliers. Students learn about interoperability and explore road maps with products and technologies such as instant messaging, live communications, workflows and portals. Students also learn how to integrate the organizations' applications and processes, how to perform business-to-business communications and how to develop comprehensive and reliable e-business solutions.

#### Certificate Prerequisites

IS 502, IS 510 and IS 520

Gainful Employment Disclosure

### Restricted Electives: 15 hours

*Five courses from the following:*

- IS 606 - Web Application Development 3 hrs
- IS 610 - Advanced Programming 3 hrs
- IS 614 - Systems Analysis and Design 3 hrs
- IS 616 - Management Information Systems Resources 3 hrs
- IS 620 - Business Data Communications and Security 3 hrs
- IS 622 - Information Systems Consulting 3 hrs
- IS 624 - Web Servers and System Software 3 hrs
- IS 625 - IS Project and Risk Management 3 hrs
- IS 627 - Business Process and Identity Management 3 hrs
- IS 632 - Global Dimensions of Information Technology 3 hrs
- IS 637 - Information Systems Audit 3 hrs
- IS 645 - Database Management Systems 3 hrs
- IS 650 - Enterprise Resource Planning 3 hrs
- IS 660 - E-Business Application Development 3 hrs
- IS 665 - Data Warehousing and Data Mining 3 hrs

Certificate Total: 15 hours

## Graduate Certificate in Information Technology Governance (ITG)

Adviser: Hung-Lian Tang, Ph.D.  
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Information systems assurance, security, and governance including auditing have become particularly important issues for public businesses large and small. Coupled with the increased visibility of security threats in the forms of hackers, viruses, and other malware, security and risk management have seen an increased attention from IT professionals. With the increased adoption of enterprise systems and above influences, industry is also focusing more on application control and identity management. The ITG Graduate Certificate program includes courses on concepts and practices in Business Governance Processes, Application Control, Security Identity Management, Risk Management, and IT Auditing, all in line with the framework for this specialization advanced by the Information Systems Assurance, Security and Control Association (ISACA), International Information Systems Security Certification Consortium (IISCCC), the Association for Computing Machinery (ACM), and the Association for Information Systems (AIS). Some specific goals of Information Technology Governance (ITG) may be listed as:

- Strategic alignment of Business and IT with emphasis on Business Governance
- Assurance that the investments in IT generate business value
- Mitigation of the risks associated with IT
- Conformance of the organization to Security, Privacy, Trade Practices, Intellectual Property Rights, Records Management, Legislation and Regulations (Laws of the Land) and alignment to Best Practices to streamline and reduce costs and improve revenues.

The objectives for learning and practical experience for the ITG Graduate Certificate may be stated as follows:

**Responsibility:** Individuals and groups within the organization understand and accept their responsibilities in respect of both supply of, and demand for IT. Those with responsibility for actions also have the authority to perform those actions.

**Strategy:** The organization's business strategy takes into account the current and future capabilities of IT; the strategic plans for IT satisfy the current and ongoing needs of the organization's business strategy.

**Acquisition:** IT acquisitions are made for valid reasons, on the basis of appropriate and ongoing analysis, with clear and transparent decision making. There is appropriate balance between benefits, opportunities, costs, and risks, in both the short term and the long term.

**Performance:** IT is fit for purpose in supporting the organization, providing the services, levels of service and service quality required to meet current and future business requirements.

**Conformance:** IT complies with all mandatory legislation and regulations. Policies and practices are clearly defined, implemented and enforced.

**Human Behavior:** IT policies, practices and decisions demonstrate respect for Human Behavior, including the current and evolving needs of all the "people in the process."

### Admission Requirements

Admission is granted to graduates with a GPA of 2.7 or higher from accredited colleges and universities. Students with a non-IS degree may be required to take as many as three foundation courses, the same as those required for the MSIS program.

### Required Courses: 9 hours

- IS 620 - Business Data Communications and Security 3 hrs



- IS 625 - IS Project and Risk Management 3 hrs
- IS 627 - Business Process and Identity Management 3 hrs

Choose two from the following: 6 hours

- IS 616 - Management Information Systems Resources 3 hrs
- IS 637 - Information Systems Audit 3 hrs
- IS 650 - Enterprise Resource Planning 3 hrs

Certificate Total: 15 hours

## Master's

### Master of Science in Information Systems (MSIS)

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The M.S.I.S. program at Eastern Michigan University is aimed at preparing students in concepts, theory, and practices for designing, constructing, and maintaining information systems that support business processes. The knowledge and practical business applications development experiences that the students gain during their EMU M.S.I.S. studies prepare them for professional and academic advancement. Learning experiences in the M.S.I.S. program expose the students to challenges in developing leading edge information systems with a sound understanding of how information technology should integrate with strategic approaches to business management.

#### Admission Requirements

Complete and submit to the Office of Admissions all required documents and materials. Official transcripts sent to EMU directly from the institution are required for all institutions (graduate and undergraduate) attended. Priority deadlines have been established for receipt of all application materials required for admission to a graduate program. See the website for the Office of Admissions.

Admission is granted to graduates of regionally accredited colleges and universities whose grades and GMAT or GRE scores indicate an aptitude for advanced study in computer information systems.

#### Degree Admission

Degree admission requires a GMAT score of 450 or higher or a GRE (verbal and quantitative) score of 900 or higher, and an undergraduate GPA of either 2.75 overall or 3.0 for the last half of undergraduate study.

#### Conditional Admission

Students may qualify for conditional admission with an index computed as  $GPA * 200 + GMAT \text{ score} \geq 950$  or  $GPA * 400 + GRE \text{ score (verbal and quantitative)} \geq 1900$ . Students admitted on a conditional basis must earn a 3.0 in the first 12 hours of adviser approved courses.

### Foundation/Prerequisite Courses: 15 hours

Once admitted into the program, students lacking basic course work must complete the foundation courses. These courses may be waived for students who have completed equivalent work with a C or better at any regionally accredited institution.

## IS Foundation Courses: 9 hours

- IS 502 - Business Information Systems 3 hrs
- IS 510 - Introduction to Object-Oriented Programming 3 hrs
- IS 520 - Hardware and Software 3 hrs

## Business Foundation Courses: 6 hours

- MGMT 505 - Organizational Theory and Behavior 3 hrs

## One course from the following:

- ACC 501 - Accounting Principles 3 hrs
- FIN 502 - Financial Principles 3 hrs
- ACC/FIN (a course that has ACC and FIN combined)

## Required Courses: 15 hours

- IS 606 - Web Application Development 3 hrs
- IS 614 - Systems Analysis and Design 3 hrs
- IS 620 - Business Data Communications and Security 3 hrs
- IS 625 - IS Project and Risk Management 3 hrs
- IS 645 - Database Management Systems 3 hrs

## Elective Courses: 12 hours

*Four courses from the following:*

- IS 610 - Advanced Programming 3 hrs
- IS 616 - Management Information Systems Resources 3 hrs
- IS 622 - Information Systems Consulting 3 hrs
- IS 624 - Web Servers and System Software 3 hrs
- IS 627 - Business Process and Identity Management 3 hrs
- IS 632 - Global Dimensions of Information Technology 3 hrs
- IS 637 - Information Systems Audit 3 hrs
- IS 650 - Enterprise Resource Planning 3 hrs
- IS 660 - E-Business Application Development 3 hrs
- IS 665 - Data Warehousing and Data Mining 3 hrs

## Integration Courses: 3 hours

*To be taken at the end of the program*

- IS 696 - Enterprise Information Systems Integration 3 hrs

## Thesis Option: 6 hours

- IS 690 - Master's Thesis in Information Systems 1 hr
- IS 691 - Master's Thesis in Information Systems 2 hrs
- IS 692 - Master's Thesis in Information Systems 3 hrs

Program Total: 45 hours

## Information Systems

### IS 502 - Business Information Systems

Introduction to information systems. Topics include systems concepts, systems components, the role of information systems in information systems, computer hardware and software, networks, telecommunications, electronic business, cost/value and quality of information systems, ethical and global issues related to information systems and information systems security.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

### IS 510 - Introduction to Object-Oriented Programming

In this course, you gain a solid foundation in object-oriented and component-based development, positioning you to move seamlessly into the strategic application of these technologies — including tools, languages and methodologies — to meet your business needs.

**Credit Hours:** 3 hrs

**Previously Listed as:** ORI 510

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2011

### IS 520 - Hardware and Software

This course provides an in-depth, non-engineering introduction to the inner workings of modern computer systems to introduce students to fundamental computer hardware, systems software (operating systems and browsers), scripting languages and data concepts.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

### IS 586 - Cooperative Education in Information Systems

Employment at a business or public organization imparting a practical experience in information systems. Position may be part-time, volunteer or less than a full semester in duration. Does not count toward MSIS or MBA requirements. Admittance by application only.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no credit basis  
Course Rotation Schedules

**Last Updated:** Links 07/2012

## **IS 589 - Information Systems Internship**

Directed, full-time information systems work experience in a business or public organization. Does not count toward MSIS or MBA requirements. Admittance by application only.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no credit basis

Course Rotation Schedules

**Last Updated:** Links 07/2012

## **IS 590 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **IS 591 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **IS 592 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **IS 597 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

### **IS 598 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

### **IS 599 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

### **IS 605 - Business Innovation and Information Technology**

The pervasive use of Information Technology (IT) in business and organizations necessitates that students be exposed to innovative possibilities of IT. The course achieves its objectives by introducing students to business process re-engineering; creating new business processes, and checking for recent IT innovations that have the potential of improving business.

**Credit Hours:** 3 hrs

**Prerequisites:** admission to MBA program

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

### **IS 606 - Web Application Development**

This course provides students with a working knowledge of the underlying technology for building web sites and Web-based applications. The course provides students with hands-on skills required to develop web sites and Web-based business applications. Students will learn a variety of web authoring tools and programming languages.

**Credit Hours:** 3 hrs

**Prerequisites:** IS 510

**Previously Listed as:** IS 528

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

### **IS 610 - Advanced Programming**

The object-oriented programming techniques of encapsulation, inheritance and polymorphism will be applied to the solution of business problems. Code reuse, incremental development and other methods will be stressed. The students will use high-level tools to develop programs with graphic user interfaces and will begin to study the problems of human/computer interaction.

**Credit Hours:** 3 hrs

**Prerequisites:** IS 606

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **IS 614 - Systems Analysis and Design**

This course presents information systems development life cycle; analysis and design techniques including requirements gathering, object structure and behavior modeling, and user interface design. It utilizes enterprise architecture frameworks, service-oriented architecture, agile model-driven development. Students will work in teams on one major project. Students will use current diagramming methods and tools for the project development.

**Credit Hours:** 3 hrs

**Prerequisites:** IS 502, IS 510

**Previously Listed as:** ORI 614

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **IS 616 - Management Information Systems Resources**

The course is concerned with IT from the perspective of managers at all levels. It presents knowledge to managing an IT function within a larger organization. It considers strategic and operational issues, the significance of rapidly advancing technology, and human and organizational issues related to technology introduction and use. Strategic and policy issues are discussed.

**Credit Hours:** 3 hrs

**Prerequisites:** IS 502, IS 520

**Previously Listed as:** ORI 616

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **IS 620 - Business Data Communications and Security**

This course investigates and examines technology and practices in telecommunications and networking. Details covered include telecommunications standards, network operating systems, infrastructure planning and operation or organizational telecommunication networks, security, as well as management and control of internet servers and mobile systems. The course also covers the information and network security to ensure confidentiality, integrity, availability and authorized use of the network.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **IS 622 - Information Systems Consulting**

Information systems consulting concepts, principles and methodologies are covered in this course. It also includes topics such as business process analyses, business process reengineering, IS project management, enterprise resources planning, IS economics, e-business strategies, information systems quality and its measurements, IS regulations, etc.

**Credit Hours:** 3 hrs

**Prerequisites:** IS 614

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **IS 624 - Web Servers and System Software**

This course focuses on the activities needed to build, install and maintain a Web server in a chosen operating system environment. UNIX commands and shell programming are covered to prepare the student to produce dynamic web pages using server-side programming. Web server security issues are also discussed.

**Credit Hours:** 3 hrs

**Prerequisites:** IS 520, IS 606

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **IS 625 - IS Project and Risk Management**

This course covers concepts and practices in project management, information technology governance and risk management. The course engages the students in understanding generally accepted tools and techniques for project management, as well as the means for dealing with "people" issues that must be addressed simultaneously to assure a successful IT project. The course also discusses risk analysis, risk assessment, risk reduction, and disaster recovery.

**Credit Hours:** 3 hrs

**Previously Listed as:** ORI 625

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2011

## **IS 626 - Business Database Applications**

Explores the elementary theories and applications of database design techniques and models including relational, hierarchical and network models. Provides in-depth experience with database management implementations on managerial decision-making.

**Credit Hours:** 3 hrs

**Prerequisites:** IS 502 or equivalent

**Previously Listed as:** ORI 626

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **IS 627 - Business Process and Identity Management**

The purpose of this course is to investigate and examine practices in enterprise applications control and identity management. The course covers role management, business-driven identity management, compliance and auditing, password management, identity virtualization, connectivity and services for ERP systems. Several software packages for identity management and business process control will be demonstrated and used.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **IS 632 - Global Dimensions of Information Technology**

Global issues of information technology development, strategies and policies are the focuses of this course. It also includes topics such as national and regional IT development strategies, trend of convergence or divergence of IT across countries, Internet technology and global IT management issues such as security, privacy, culture, risk management, outsourcing and legal constraints.

**Credit Hours:** 3 hrs  
**Prerequisites:** IS 502  
**Terms Offered:** Course Rotation Schedules  
**Last Updated:** Links 05/2011

## **IS 637 - Information Systems Audit**

The main focus of this course is on understanding the concepts and practices of business information systems controls and audit, the types of controls and their impact on the organization, and how to manage and audit them. Students will learn the process of creating a control structure with goals and objectives, audit an information technology infrastructure against it, and establish a systematic remediation procedure for any inadequacies.

**Credit Hours:** 3 hrs  
**Terms Offered:** Course Rotation Schedules  
**Last Updated:** Links 07/2012

## **IS 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr  
**Prerequisites:** department permission  
**Terms Offered:** Course Rotation Schedules  
**Last Updated:** Links 07/2012

## **IS 645 - Database Management Systems**

Study of the concepts, principles and techniques for managing data. Course covers techniques for the design and development of database systems including logical data modeling, physical data modeling, data retrieval and manipulation, concurrent processing, data distribution and database administration. The course provides students with hands-on skills on using the database package.

**Credit Hours:** 3 hrs  
**Prerequisites:** IS 614  
**Previously Listed as:** ORI 645, ORI 610  
**Terms Offered:** Course Rotation Schedules  
**Last Updated:** Links 05/2011

## **IS 650 - Enterprise Resource Planning**

This course facilitates students to understand how to use an enterprise resource planning (ERP) system in an organization. Students learn how to configure a large system to support an enterprise with multiple functions and divisions. Current trends and decision-making issues are addressed through a cross-functional view of ERP.

**Credit Hours:** 3 hrs  
**Prerequisites:** IS 502  
**Terms Offered:** Course Rotation Schedules  
**Last Updated:** Links 05/2011



## **IS 655 - Decision Support Systems**

This course provides students with a working knowledge of the concepts, techniques and tools to build effective data warehousing and data mining systems. Students will learn how to leverage data warehousing and data mining to establish a competitive advantage and solve business problems faster by using online analytical processing systems. Beside learn how to develop and utilize the data warehouse, students will learn how to apply advanced analytical methods in order to gain new insights from the data.

**Credit Hours:** 3 hrs

**Prerequisites:** IS 645

**Previously Listed as:** ORI 655

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **IS 660 - E-Business Application Development**

This course describes the fundamental knowledge of e-business and e-commerce. This course discusses advanced issues and programming techniques for developing e-business applications. Topics include e-business models, strategies, security and integration methods. The course provides students with hands-on skills and programming tools required to build e-business applications.

**Credit Hours:** 3 hrs

**Prerequisites:** IS 606

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **IS 662 - Business Intelligence**

Students will be exposed to broad category of applications and techniques for gathering, storing, manipulating, analyzing and accessing the historical and current data to provide valuable insights upon which more informed strategic decisions can be based. This course incorporates hands-on-class lab activities, where students immediately apply presented concepts and reinforce their understanding.

**Credit Hours:** 3 hrs

**Prerequisites:** DS 501

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **IS 665 - Data Warehousing and Data Mining**

This course provides students with a working knowledge of the concepts, techniques and tools to build effective data warehousing and data mining systems. Students will learn how to leverage data warehousing and data mining to establish a competitive advantage and solve business problems faster by using online analytical processing systems.

**Credit Hours:** 3 hrs

**Prerequisites:** IS 645

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **IS 670 - XML Technologies**

Extensible markup language (XML) is a technology that enables data communication between non-compatible systems. It provides advanced capability for developing business-to-business Internet solutions. The course covers XML features and abilities and explains XML's strategic importance for developing Web-based applications. The course offers substantial hands-on experience in using and understanding the workings of XML.

**Credit Hours:** 3 hrs

**Prerequisites:** IS 606

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **IS 679 - Special Topics**

This course will be offered periodically to review selected contemporary topics in quantitative analysis, business computer systems and/or managerial and business economics. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** completion of MBA or MSIS core

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **IS 680 - Special Topics**

This course will be offered periodically to review selected contemporary topics in quantitative analysis, business computer systems and/or managerial and business economics. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** completion of MBA or MSIS core

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **IS 681 - Special Topics**

This course will be offered periodically to review selected contemporary topics in quantitative analysis, business computer systems and/or managerial and business economics. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** completion of MBA or MSIS core

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **IS 690 - Master's Thesis in Information Systems**

Students will prepare a proposal for original research in information systems and complete the proposed work under the guidance of the thesis supervisor and committee approved by the department. The completed work is to be submitted as a written thesis and defended before the thesis committee.

**Credit Hours:** 1 hr

**Prerequisites:** IS 606, IS 625, IS 645, IS 620

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **IS 691 - Master's Thesis in Information Systems**

Students will prepare a proposal for original research in information systems and complete the proposed work under the guidance of the thesis supervisor and committee approved by the department. The completed work is to be submitted as a written thesis and defended before the thesis committee.

**Credit Hours:** 2 hrs

**Prerequisites:** IS 606, IS 625, IS 645, IS 620

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **IS 692 - Master's Thesis in Information Systems**

Students will prepare a proposal for original research in information systems and complete the proposed work under the guidance of the thesis supervisor and committee approved by the department. The completed work is to be submitted as a written thesis and defended before the thesis committee.

**Credit Hours:** 3 hrs

**Prerequisites:** IS 606, IS 625, IS 645, IS 620

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **IS 695 - Seminar**

This capstone course integrates management information systems (MSIS) with fundamental areas of business. The impact of MSIS in the organization is analyzed in terms of current design and implementation techniques and follow-up evaluation of business systems. The student writes an original research paper in the area of management information systems.

**Credit Hours:** 3 hrs

**Prerequisites:** all MSIS required and restricted elective courses must be completed prior to this course

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **IS 696 - Enterprise Information Systems Integration**

This course introduces concepts, technologies, and methodologies used for enterprise information systems integration. Current models of enterprise architecture, integration patterns, enabling technologies for middleware, system management and integration standards will be reviewed. Students will also learn how to build components, as they are required for the integration of a system. Integration of packaged applications and legacy systems will be discussed as well. Students will gain hands-on experience on using a variety of integration tools. Students will be required to apply what they learn in the course in a real-life project

**Credit Hours:** 3 hrs

**Prerequisites:** IS 606, IS 620, IS 625 and IS 645

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **IS 697 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission  
**Terms Offered:** Course Rotation Schedules  
**Last Updated:** Links 07/2012

## **IS 698 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs  
**Prerequisites:** department permission  
**Terms Offered:** Course Rotation Schedules  
**Last Updated:** Links 07/2012

## **IS 699 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs  
**Prerequisites:** department permission  
**Terms Offered:** Course Rotation Schedules  
**Last Updated:** Links 07/2012

# **Production/Operations Management**

## **OM 503 - Operations Management**

Examination of planning, operation and control activities of manufacturing and service organizations leading to products and services that satisfy customer needs. Topics include: quality management, project management, demand forecasting, capacity and operations planning and scheduling, SCM, JIT, product and process design and facilities location and layout.

**Credit Hours:** 3 hrs  
**Terms Offered:** Course Rotation Schedules  
**Last Updated:** Links 07/2012

## **OM 574 - Design of Operations Systems**

An in-depth qualitative, quantitative and computerized analysis of problems related to the design of manufacturing and nonmanufacturing systems. Topics include productivity, product and service design, process planning, job design and work measurement, facilities location, layout of facilities and facilities maintenance.

**Credit Hours:** 3 hrs  
**Prerequisites:** OM 503 or equivalent  
**Terms Offered:** Course Rotation Schedules  
**Last Updated:** Links 05/2011

## **OM 575 - Inventory Control I**

This is a two-course sequence in operations and inventory management. Topics include differences between production-to-stock, production-to-order and assemble- or finish-to-order, strategic planning, production planning, forecasting of production requirements, master production scheduling, inventory management for dependent and independent demand items, material

requirements planning, capacity planning, logistics, Just-In-Time and total quality management. Discussion of how to prepare for APICS certification exams are also included. A term project for graduate students is required.

**Credit Hours:** 3 hrs

**Prerequisites:** OM 503 or equivalent

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **OM 576 - Inventory Control II**

An in-depth quantitative and qualitative analysis of various production planning and control problems in manufacturing and service organizations. Topics include forecasting of demand, aggregate production planning and scheduling. The role of management science and computer models in solving these problems is also reflected in the course. A term project for graduate students is required.

**Credit Hours:** 3 hrs

**Prerequisites:** OM 503 or equivalent

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **OM 577 - Tools for Strategic Quality Management**

The course consists of lectures, discussions, cases and examples, and presentations by students of a research project related to management by fact of strategic quality management in the workplace.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **OM 590 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **OM 591 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **OM 592 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **OM 597 - Independent Study**

An intensive study of one or more problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **OM 598 - Independent Study**

An intensive study of one or more problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **OM 599 - Independent Study**

An intensive study of one or more problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **OM 600 - Integrated Operations Management**

Activities performed by organizations in producing value-added products and services are discussed. Emphasis is on: integration of the organization's production function with other functions within the organization and with those of its trading partners; international and ethical issues; and analytical skills in problem solving.

**Credit Hours:** 3 hrs

**Prerequisites:** DS 501 or equivalent

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **OM 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Notes:** Credit will not apply toward degree completion.

**Terms Offered:** Offered on a credit/no-credit basis.

Course Rotation Schedules

**Last Updated:** Links 07/2012

### **OM 679 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

### **OM 680 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

### **OM 681 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

### **OM 697 - Independent Study**

An intensive study of one or more problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **OM 698 - Independent Study**

An intensive study of one or more problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **OM 699 - Independent Study**

An intensive study of one or more problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012



# Management Programs and Courses

## Management

### Graduate Certificate

#### Graduate Certificate in Entrepreneurship (ENTR)

Adviser: Michelle Henry  
404 Owen Building  
734.487.4444  
mhenry1@emich.edu

Adviser: Beste Windes  
473 Owen Building  
734.487.4444  
bwindes@emich.edu

Admission to the graduate certificate program is limited to students who have completed a Bachelor's degree from an accredited institution of higher education with a minimum GPA of 2.7 (on a 4.0 scale). The GMAT is not required for the Graduate Certificate programs.

Gainful Employment Disclosure

#### Required Courses: 15 hours

- MGMT 570 - New Venture Creation 3 hrs
- MGMT 614 - Growth Strategies for Entrepreneurial Ventures 3 hrs

#### Two courses from the following:

- MGMT 603 - Corporate Entrepreneurship: Innovation and Technology Commercialization 3 hrs
- MGMT 617 - Social Entrepreneurship 3 hrs
- MGMT 636 - Current Topics in Entrepreneurship 3 hrs
- MGMT 660 - Field Studies in Entrepreneurship 3 hrs

#### One course from the following:

- ACC 501 - Accounting Principles 3 hrs
- LAW 503 - Law, Enterprise and Ethics 3 hrs
- LAW 540 - Employment Law 3 hrs
- MGMT 505 - Organizational Theory and Behavior 3 hrs
- MGMT 509 - Strategic Human Resource Management 3 hrs
- MGMT 600 - Leading Innovation and Change 3 hrs
- MGMT 604 - Strategic Communication and Ethical Decision-Making 3 hrs
- MKTG 530 - E-Commerce Essentials 3 hrs

**Certificate Total: 15 hours**

**Note:**

*A maximum of three graduate credit hours may be transferred to a College of Business graduate certificate in an area of specialization. Please view the course description for required prerequisite.*

## **Graduate Certificate in Human Resource Management (HR)**

Adviser: Dr. Fraya Wagner-Marsh  
466 Owen Building  
734.487.3240  
fwagnerm@emich.edu

Admission to the Graduate Certificate program is limited to students who have completed a Bachelor's degree from an accredited institution of higher education with a minimum GPA of 2.7 (on a 4.0 scale). The GMAT is not required for the Graduate Certificate programs.

Gainful Employment Disclosure

**Required Courses: 15 hours**

- MGMT 505 - Organizational Theory and Behavior 3 hrs
- MGMT 509 - Strategic Human Resource Management 3 hrs

**Three courses from the following:**

- LAW 540 - Employment Law 3 hrs
- MGMT 611 - HR and Technology 3 hrs
- MGMT 618 - Staffing Organizations 3 hrs
- MGMT 620 - Compensation Management 3 hrs
- MGMT 621 - Benefits Administration 3 hrs
- MGMT 622 - Current Issues in Human Resources Management 3 hrs
- MGMT 625 - Management in Unionized Settings 3 hrs
- MGMT 628 - Human Resource Development 3 hrs

**Certificate Total: 15 hours**

**Note:**

*A maximum of three graduate credit hours may be transferred to a College of Business graduate certificate in an area of specialization. Please view the course description for required prerequisite.*

## **Graduate Certificate in Management (MGMT)**

Adviser: Michelle Henry  
404 Owen Building  
734.487.4444  
mhenry1@emich.edu

Adviser: Beste Windes  
473 Owen Building  
734.487.4444  
bwindes@emich.edu

### **Admission**

Admission to the Graduate Certificate program is limited to students who have completed a Bachelor's degree from an accredited institution of higher education with a minimum GPA of 2.7 (on a 4.0 scale). The GMAT is not required for the Graduate Certificate program.

Conditional admission may be granted by the Department Head of Management based on two letters of recommendation, documentation of successful work experience and a personal interview; last half of undergraduate GPA will also be considered.

## **Required Courses: 6 hours**

- MGMT 505 - Organizational Theory and Behavior 3 hrs
- MGMT 613 - Leadership in Business Organizations: Theory and Practice 3 hrs

## **Choose three from the following: 9 hours**

- MGMT 509 - Strategic Human Resource Management 3 hrs
- MGMT 600 - Leading Innovation and Change 3 hrs
- MGMT 604 - Strategic Communication and Ethical Decision-Making 3 hrs
- MGMT 615 - Organization Design and Strategy 3 hrs
- MGMT 616 - Negotiation and Influence Applications for Business 3 hrs

## **Certificate Total: 15 hours**

# **Graduate Certificate in Organizational Development (OD)**

Adviser: Dr. Fraya Wagner-Marsh  
466 Owen Building  
734.487.3240  
fwagnerm@emich.edu

Admission to the Graduate Certificate program is limited to students who have completed a Bachelor's degree from an accredited institution of higher education with a minimum GPA of 2.7 (on a 4.0 scale). The GMAT is not required for the Graduate Certificate programs.

Gainful Employment Disclosure

## **Required Courses: 15 hours**

- MGMT 602 - Theory and Techniques of Organizational Development 3 hrs

- MGMT 610 - Diagnostic Techniques and Research Methods 3 hrs

Three courses from the following:

- MGMT 613 - Leadership in Business Organizations: Theory and Practice 3 hrs
- MGMT 616 - Negotiation and Influence Applications for Business 3 hrs
- MGMT 615 - Organization Design and Strategy 3 hrs
- MGMT 628 - Human Resource Development 3 hrs
- MGMT 638 - Building Continuous Improvement Teams 3 hrs
- MGMT 648 - Communication and Organizational Development 3 hrs

**Certificate Total: 15 hours**

**Note:**

A maximum of three graduate credit hours may be transferred to a College of Business graduate certificate in an area of specialization. Please view the course description for required prerequisite.

## **Master's**

# **Master of Science in Human Resource Management and Organizational Development (HROD)**

Adviser: Dr. Fraya Wagner-Marsh  
 466 Owen Building  
 734.487.3240  
 fwagnerm@emich.edu  
 www.mshrod.emich.edu

### **Objectives**

1. To prepare professionals who understand and are able to plan, implement and manage change processes, whether in positions internal to an organization (managerial or staff support) or as external consultants.
2. To prepare professionals who understand the need to match organizational needs with human resource needs and are able to implement appropriate systems related to structure, process and human resources.
3. To prepare professionals who understand and apply human resource and organizational development techniques in ways that lead to greater organizational effectiveness.

## **Admission Requirements**

### **Degree Admission**

Criteria for degree admission include a resume, and the following:

<b>Admission Criteria</b>	<b>MSHROD-China</b>	<b>MSHROD-U.S.</b>
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Overall undergraduate GPA for regular admission	2.75	2.75
Test Scores:		
GMAT or GRE	Not required for admission, but taken within first year	GMAT of 450 or GRE of 290 required for admission, no exceptions
Language Proficiency	CET-4, IELTS of 5.0 for regular admission; if no exam, will admit ESL and students take Intensive English course at Tianjin University of Commerce (TJUC)	TOEFL score of 80 internet-based
Degree Requirements	Applicants admitted as Bridge students if graduated from Chinese three-year program as an undergraduate	Bachelor's degree required
Financial Resources/Visa Requirement	No financial statement required; no visa required since students do not come to the U.S.	International applicants must submit required financial statements and documents for Visa
<b>PROGRAM CODE</b>	<b>HROC</b>	<b>HROD</b>

### Conditional Admission

Conditional admission may be granted to students who do not meet the above requirements. Such students must maintain a B (3.0) average in foundation courses and the first 12 hours of adviser-approved core courses. Students who meet the conditional requirements will be granted regular admission. Conditionally admitted students must have an adviser's permission to enroll in courses.

### Transfer Credits

Students may be approved to transfer a maximum of six credit hours from an accredited master's degree program. For more details, check with the department.

## Course Requirements

### Foundation/Prerequisite Courses: 12 hours

*Nine hours of graduate or undergraduate non-management courses spread across three business functional areas (marketing, law, economics, accounting, finance). One three-hour course from these nine hours must be either an accounting or a finance course. Students must also demonstrate a proficiency in using computer applications including Word, Power Point and Excel spreadsheets. In addition, students must take:*

- DS 501 - Introductory Probability and Statistics for Business 3 hrs or an undergraduate statistics course

### Required courses: 18 hours

- \* MGMT 505 - Organizational Theory and Behavior 3 hrs

- \*\* MGMT 509 - Strategic Human Resource Management 3 hrs
- MGMT 602 - Theory and Techniques of Organizational Development 3 hrs
- MGMT 610 - Diagnostic Techniques and Research Methods 3 hrs
- MGMT 628 - Human Resource Development 3 hrs

### Three hours of practicum or thesis:

- MGMT 688 - Practicum in Human Resource Management/Organizational Development 3 hrs
- MGMT 692 - Thesis in Organizational Development 3 hrs

### Elective Courses: 12 hours

*Twelve hours from the following:*

- Or other adviser-approved electives
- LAW 540 - Employment Law 3 hrs
- MGMT 611 - HR and Technology 3 hrs
- MGMT 613 - Leadership in Business Organizations: Theory and Practice 3 hrs
- MGMT 615 - Organization Design and Strategy 3 hrs
- MGMT 616 - Negotiation and Influence Applications for Business 3 hrs
- MGMT 618 - Staffing Organizations 3 hrs
- MGMT 620 - Compensation Management 3 hrs
- MGMT 621 - Benefits Administration 3 hrs
- MGMT 622 - Current Issues in Human Resources Management 3 hrs
- MGMT 625 - Management in Unionized Settings 3 hrs
- MGMT 638 - Building Continuous Improvement Teams 3 hrs
- MGMT 648 - Communication and Organizational Development 3 hrs
- MGMT 696 - Strategic Management 3 hrs

### Program Total: 30 hours

### Notes:

*\* Students with an undergraduate course in organizational theory and behavior may be required to substitute an elective for MGMT 505.*

*\*\* Students with an undergraduate course in human resources management/personnel administration or equivalent may be required to substitute an elective for MGMT 509 - Strategic Human Resource Management.*

## Management

### MGMT 501 - Management: Concepts, Principles and Practice

The basic managerial functions are studied primarily from the perspective of the process design, but the behavioral, management science and other disciplinary schools of thought are also carefully examined. Open only to graduate students who have not had a basic management course. Not available to College of Business graduates.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **MGMT 505 - Organizational Theory and Behavior**

This course provides a survey of relevant social science research and literature to provide the student with basic knowledge or organizational theory and behavior concepts, as well as the application of these. Cases and exercises are used to relate theory to applications, and practice assignments are given.

**Credit Hours:** 3 hrs

**Previously Listed as:** MGMT 605

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2011

## **MGMT 509 - Strategic Human Resource Management**

Current activities and theory relevant to human resource management function are described, including impact of changes related to government intervention and other environmental impacts.

**Credit Hours:** 3 hrs

**Previously Listed as:** MGMT 609, MGT 609

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2011

## **MGMT 513 - Business Communications Seminar**

Business communication seminar focuses on strategies for professionals who must inform and influence others in the workplace through oral and written business communication. The course will prepare students to write progress reports, executive summaries and brief business reports as well as to deliver technical briefings and project presentations.

**Credit Hours:** 1 hr

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **MGMT 550 - International Management: A Cultural Perspective**

This course will examine management practices within the international business environment, both from individual national perspectives and from the global perspective of the multinational corporation.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **MGMT 567 - Business Communication: Specialized Organizational Report Writing**

Course to train students (already admitted to a graduate degree program) to write reports suited to organizational needs and environments. Provides professional and managerial focus on designing reports for business, industry, education, health care and government. Develops skills in design, editing and analysis of reports.

**Credit Hours:** 3 hrs  
**Terms Offered:** Course Rotation Schedules  
**Last Updated:** Links 07/2012

### **MGMT 570 - New Venture Creation**

This course develops students' abilities to formulate a business plan for new ventures. Using a specific idea, students examine opportunity, market options, entry modes, financial projections and overall strategy for a new venture. The emphasis is on developing the ability of students to start a new profit or non-profit venture.

**Credit Hours:** 3 hrs  
**Terms Offered:** Course Rotation Schedules  
**Last Updated:** Links 07/2012

### **MGMT 576 - Corporate Social Policy**

A study of interaction between business organizations and their economic, political, social and legal environments. Ethical issues relevant to corporate decision-making will be the focus of the analysis of social policy.

**Credit Hours:** 3 hrs  
**Previously Listed as:** MGT 576  
**Terms Offered:** Course Rotation Schedules  
**Last Updated:** Links 08/2011

### **MGMT 590 - Special Topics**

Selected topic(s) from the field of management. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr  
**Terms Offered:** Course Rotation Schedules  
**Last Updated:** Links 07/2012

### **MGMT 591 - Special Topics**

Selected topic(s) from the field of management. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs  
**Terms Offered:** Course Rotation Schedules  
**Last Updated:** Links 07/2012

### **MGMT 592 - Special Topics**

Selected topic(s) from the field of management. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs  
**Terms Offered:** Course Rotation Schedules  
**Last Updated:** Links 07/2012

### **MGMT 597 - Independent Study**



An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

### **MGMT 598 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

### **MGMT 599 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

### **MGMT 600 - Leading Innovation and Change**

Students learn about the process of innovation and the use of relevant data. Students will design a project management plan to implement a new product. Critical issues in innovation are discussed and practiced such as leadership, conflict resolution, and change management. Readings, case studies, oral and written presentations and exercises are used.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

### **MGMT 602 - Theory and Techniques of Organizational Development**

This class examines the theoretical basis of the field of organizational development. Change interventions at the individual, group and organizational level are covered along with consultation skills.

**Credit Hours:** 3 hrs

**Previously Listed as:** MGT 602, MGT 658

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 08/2011

### **MGMT 603 - Corporate Entrepreneurship: Innovation and Technology Commercialization**

Students will develop an awareness of the range, scope and complexity of issues involved in creating and growing entrepreneurial activities inside established firms. They will gain insight into the effective commercial exploitation of technological and organizational innovation in such a context.

**Credit Hours:** 3 hrs  
**Terms Offered:** Course Rotation Schedules  
**Last Updated:** Links 07/2012

## **MGMT 604 - Strategic Communication and Ethical Decision-Making**

This course focuses on the management strategies and skills called for in the corporate communication function including a thorough analysis of the ethical aspects that arise and their implications for message content and strategy.

**Credit Hours:** 3 hrs  
**Previously Listed as:** MGT 604, MGT 568  
**Terms Offered:** Course Rotation Schedules  
**Last Updated:** Links 08/2011

## **MGMT 610 - Diagnostic Techniques and Research Methods**

The study and application of diagnostic and quantitative methods for problem diagnosis, implementation and evaluation of the organizational development process and human resource management practices.

**Credit Hours:** 3 hrs  
**Prerequisites:** DS 501 or an undergraduate statistics course  
**Terms Offered:** Course Rotation Schedules  
**Last Updated:** Links 05/2011

## **MGMT 611 - HR and Technology**

Focusing on the interface of Human Resource Management functions with technology, this course highlights the latest theories, practices and emerging issues in e-HR. Students apply electronic human resource techniques for using Web-based, online and traditional HR sources.

**Credit Hours:** 3 hrs  
**Terms Offered:** Course Rotation Schedules  
**Last Updated:** Links 07/2012

## **MGMT 613 - Leadership in Business Organizations: Theory and Practice**

Leadership in business organizations: theory and practice will provide students with knowledge of the theories of leadership in business organizations as well as practice in leadership and management. The course will use several diagnostic techniques to help students understand their own leadership strengths as well as areas to be developed.

**Credit Hours:** 3 hrs  
**Terms Offered:** Course Rotation Schedules  
**Last Updated:** Links 07/2012

## **MGMT 614 - Growth Strategies for Entrepreneurial Ventures**

This course focuses on the opportunities and challenges of managing growing ventures. The course provides students with frameworks and expertise that are essential for developing and executing functional decisions in entrepreneurial firms. Students will propose specific functional decisions and project financial performance of the venture based on those decisions.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **MGMT 615 - Organization Design and Strategy**

To provide in-depth understanding of organizations' ability to survive, grow and adapt in relation to internal and environmental pressures. Analytical and problem skills are practiced also in such areas as structure, conflict, strategy and use of power.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **MGMT 616 - Negotiation and Influence Applications for Business**

This course focuses on the management applications called for in negotiation and influence situations in business. It will emphasize the development of effective negotiation and influence skills for the managerial and executive levels. Role-plays and experimental exercises will be used for skill development.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **MGMT 617 - Social Entrepreneurship**

Social Entrepreneurship is about using entrepreneurial skills to craft innovative responses to social problems. It aims at social impact but does not exclude economic wealth creation. Social Entrepreneurship involves recognizing opportunities, combining and mobilizing resources, triggering positive change in various domains, and building sustainability.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** 03/2011; effective Spring 2011

## **MGMT 618 - Staffing Organizations**

This course will train students to staff organizations. Students will obtain skills in human resource planning, recruitment, job analysis, selection techniques and evaluation (validation).

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **MGMT 620 - Compensation Management**

Study of the concepts and practices of compensation administration with emphasis on current theories of compensation and motivation.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **MGMT 621 - Benefits Administration**

This course provides students with an understanding of the concepts and practices of benefits administrations. Comprehensive discussion of all major employer-provided benefits programs including pensions, life insurance, medical insurance, and government mandated benefits are discussed. Emphasis is made on regulatory developments and the strategic role of benefits.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **MGMT 622 - Current Issues in Human Resources Management**

This course develops students' skills in recognizing key contemporary human resource issues that impact organizational effectiveness and in applying Human Resource Management and Organizational Development skills to effectively deal with the source of these issues.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **MGMT 625 - Management in Unionized Settings**

Presents the background necessary to examine top management strategic decision-making regarding unions as well as day-to-day union worker-management interaction and introduces methods and skills necessary for change in management-union relationships.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **MGMT 628 - Human Resource Development**

Course is designed to educate students in training-needs analysis and program design, implementation of training programs, training evaluation procedures, human resource cost-effectiveness plans and job design techniques.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **MGMT 636 - Current Topics in Entrepreneurship**

This course focuses on issues and topics of interest to entrepreneurs. Topics will vary from semester to semester but may include: family business, corporate entrepreneurship and franchising.

**Credit Hours:** 3 hrs

**Repeatable:** No

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Restriction Change 02/2012, effective Fall 2012

## **MGMT 638 - Building Continuous Improvement Teams**

Develops an understanding of the continuous improvement philosophy and the organizational systems required to support a team-oriented approach to designing, developing and implementing continuous improvement teams. The course provides knowledge

and critical skills necessary for building continuous improvement teams.

**Credit Hours:** 3 hrs

**Previously Listed as:** MGT 638

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 08/2011

## **MGMT 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **MGMT 648 - Communication and Organizational Development**

The development of communication understanding and skills as required in organizational management and interaction by internal and external change agents.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **MGMT 650 - Leadership of the Strategic Quality Management Firm**

This course introduces the students to the strategic concepts for leading a strategic quality management firm. Cross-functional considerations between development, marketing, operations, human resources, financial controls and international functions are covered.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **MGMT 656 - E-Business Strategy**

Develops understanding of how the Internet and associated technologies create opportunities for new and existing businesses. Students will analyze how e-business initiatives are shaping competitive dynamics in different industries and how electronic technology affects strategic options for individual firms.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **MGMT 660 - Field Studies in Entrepreneurship**

This course will provide hands-on experience in the challenges of building an entrepreneurial venture. Possible projects include feasibility studies, assessing value chain, technology transfer or merger and acquisition. Students will develop a variety of skills

including decision making under uncertainty and delivering projects under strict cost, time and quality guidelines.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

### **MGMT 679 - Special Topics**

Selected topic(s) from the field of management. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

### **MGMT 680 - Special Topics**

Selected topic(s) from the field of management. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

### **MGMT 681 - Special Topics**

Selected topic(s) from the field of management. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

### **MGMT 688 - Practicum in Human Resource Management/Organizational Development**

The opportunity to participate in a human resource management and/or organizational development project in an active organization under the close guidance of a practicing consultant. Students who have credit in MGMT690/691/692 may not take this course. This course is restricted to MSHROD students only.

**Credit Hours:** 3 hrs

**Prerequisites:** MGMT 505, MGMT 509, MGMT 602, MGMT 610, MGMT 628, at least two elective technique courses and department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

### **MGMT 692 - Thesis in Organizational Development**

Students will develop and defend an original research proposal in the area of human resource management and/or organizational development, collect and analyze data, and prepare and defend a written report of their findings. Students who have credit in MGMT 688 may not take this course.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

### **MGMT 695 - Seminar: Management**

A study of selected management issues and problems. Specific topics vary from semester to semester.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

### **MGMT 696 - Strategic Management**

Focuses on the responsibilities of managing an organization from the perspective of the general manager. Integrates multiple business functions as part of formulating and implementing strategies that enable firms to strive for a competitive advantage and sustainable firm performance with ethical practices. Emphasizes application of strategic concepts to different business situations. Students should schedule this course no earlier than their last two semesters in the MBA program.

**Credit Hours:** 3 hrs

**Prerequisites:** ACC 605, FIN 620, IB 610, MGMT 604 and MKTG 610

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

### **MGMT 697 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

### **MGMT 698 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

### **MGMT 699 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

# Marketing Programs and Courses

## Marketing

### Graduate Certificate

### Graduate Certificate in E-Business (EBUS)

Admission to the graduate certificate program is limited to students who have completed a bachelor's degree from an accredited institution of higher education with a minimum GPA of 2.7 (on a 4.0 scale). The GMAT is not required for the graduate certificate programs.

Gainful Employment Disclosure

### Required Courses: 12 hours

- MKTG 530 - E-Commerce Essentials 3 hrs

### One course from the following:

- IS 605 - Business Innovation and Information Technology 3 hrs
- SCM 614 - Information Technology for Supply Chain Management 3 hrs

### Three courses from the following:

- ACC 510 - Contemporary Accounting Information Systems 3 hrs
- ACC 511 - Accounting for E-Commerce 3 hrs
- LAW 525 - E-Commerce Law 3 hrs
- \* IS 605 - Business Innovation and Information Technology 3 hrs
- MGMT 611 - HR and Technology 3 hrs
- MGMT 656 - E-Business Strategy 3 hrs
- MKTG 635 - Digital Marketing 3 hrs
- MKTG 645 - Database Marketing 3 hrs
- SCM 611 - Supply Chain Management 3 hrs
- \* SCM 614 - Information Technology for Supply Chain Management 3 hrs
- SCM 622 - Customer Relationship Management 3 hrs

### Certificate Total: 15 hours

### Notes:

*A maximum of three graduate credit hours may be transferred to a College of Business graduate certificate in an area of specialization. Please view the course description for required prerequisite.*



*\* May only be chosen as one of the three elective courses if not chosen above.*

## **Graduate Certificate in International Business (INB)**

Admission to the graduate certificate program is limited to students who have completed a bachelor's degree from an accredited institution of higher education with a minimum GPA of 2.7 (on a 4.0 scale). The GMAT is not required for the graduate certificate programs.

Gainful Employment Disclosure

**Required Courses: 15 hours**

**Four Courses from the Following:**

- ACC 675 - International Accounting and Taxation 3 hrs
- FIN 540 - International Finance 3 hrs
- LAW 550 - International Business Law 3 hrs
- MGMT 550 - International Management: A Cultural Perspective 3 hrs
- MKTG 525 - Global Marketing 3 hrs

**One Course from the Following:**

- ECON 508 - International Trade 3 hrs
- ECON 509 - International Monetary Economics 3 hrs
- ECON 699 - Independent Study 3 hrs

**Certificate Total: 15 hours**

**Notes:**

*A maximum of three graduate credit hours may be transferred to a College of Business graduate certificate in an area of specialization. Please view the course description for required prerequisite.*

## **Graduate Certificate in Marketing Management (MKTG)**

Admission to the graduate certificate program is limited to students who have completed a bachelor's degree from an accredited institution of higher education with a minimum GPA of 2.7 (on a 4.0 scale). The GMAT is not required for the graduate certificate programs.

Gainful Employment Disclosure

**Required Courses: 15 hours**

- MKTG 510 - Marketing Management 3 hrs

## Four courses from the following:

- MKTG 525 - Global Marketing 3 hrs
- MKTG 530 - E-Commerce Essentials 3 hrs
- MKTG 592 - Special Topics 3 hrs
- MKTG 630 - Sales Operation Management 3 hrs
- MKTG 635 - Digital Marketing 3 hrs
- MKTG 640 - Integrated Marketing Communications 3 hrs
- MKTG 645 - Database Marketing 3 hrs
- MKTG 655 - Strategic Brand Management 3 hrs
- MKTG 665 - Seminar in Consumer Behavior 3 hrs
- MKTG 670 - Advanced Methods in Marketing Research 3 hrs
- MKTG 681 - Special Topics 3 hrs
- MKTG 699 - Independent Study 3 hrs

**Certificate Total: 15 hours**

## Notes:

*A maximum of three graduate credit hours may be transferred to a College of Business graduate certificate in an area of specialization. Please view the course description for required prerequisite.*

## **Graduate Certificate in Supply Chain Management (SCMG)**

Admission to the graduate certificate program is limited to students who have completed a bachelor's degree from an accredited institution of higher education with a minimum GPA of 2.7 (on a 4.0 scale). The GMAT is not required for the graduate certificate programs.

Gainful Employment Disclosure

## Required Courses: 15 hours

- SCM 611 - Supply Chain Management 3 hrs
- SCM 614 - Information Technology for Supply Chain Management 3 hrs
- SCM 618 - Logistics in the Supply Chain 3 hrs

## Two courses from the following:

- EM 620 - Integrated Product and Process Design 3 hrs
- SCM 622 - Customer Relationship Management 3 hrs
- SCM 624 - Operations Planning and Scheduling in Supply Chain 3 hrs
- SCM 628 - Purchasing/Outsourcing & Quality 3 hrs

**Certificate Total: 15 hours**

## Notes:

*A maximum of three graduate credit hours may be transferred to a College of Business graduate certificate in an area of specialization. Please view the course description for required prerequisite.*

## Master's

# Master of Science in Integrated Marketing Communications (IMC)

Director: Michelle Henry  
404 Owen  
Phone: 734.487.4444  
E-mail: mhenry1@emich.edu

The M.S. IMC program will be conducted exclusively online. Twelve rigorous three-credit courses will be required, culminating with a capstone experience in which students prepare a cohesive IMC plan for a real-world client.

### Goal and Objectives

1. Develop a foundation amongst students for identifying stakeholders; learning the strengths, weaknesses and applications of each communications vehicle; and for competency in preparing cohesive IMC plans.
2. Achieve an understanding of the primary role of IMC as the key to building brand image and brand equity.
3. Prepare graduates of the IMC program to be able to:
  - a. Identify all stakeholders as an early step in the IMC process;
  - b. Identify the situations when each functional area of IMC can be effectively utilized;
  - c. Discuss various factors in the global environment and how they influence IMC decisions;
  - d. Explain how brand equity is built, measured and managed;
  - e. Identify the factors that shape consumer decision making;
  - f. Plan IMC message communications strategies;
  - g. Explain the meaning of developing the same message across different vehicles;
  - h. Demonstrate how marketing objectives are translated into effective media strategies;
  - i. Explain how the Internet and other new media vehicles can be used to build customer relationships;
  - j. Discuss the roles of direct marketing in acquiring and retaining customers and building loyalty;
  - k. Explain how to measure the results of a direct marketing campaign;
  - l. Discuss how to use research for creative development and measuring the impact of the brand communications programs;
  - m. Explain the applications of sales promotion to build traffic, launch new products and build brands;
  - n. Identify the ethical and regulatory issues surrounding IMC;

- o. Develop evaluative standards to determine success/failure of any given IMC campaign;
  - p. Develop a comprehensive and viable IMC plan for a real-world profit or nonprofit organization.
4. Be research-oriented and gain respect for developing knowledge in this discipline.
5. Reinforce the theme of developing innovative, applied and global programs.

## Required Courses: 36 hours

- IMC 601 - Principles, Strategies and Tactics 3 hrs
- IMC 602 - Brand Development 3 hrs
- IMC 603 - Audience Behavior 3 hrs
- IMC 604 - Marketing Communications Research 3 hrs
- IMC 605 - Creative Message Strategy 3 hrs
- IMC 606 - Multichannel Media I 3 hrs
- IMC 607 - Multichannel Media II 3 hrs
- IMC 608 - Direct Marketing 3 hrs
- IMC 609 - Public Relations 3 hrs
- IMC 612 - IMC Sales Promotion 3 hrs
- IMC 615 - IMC Ethics, Regulations and Society 3 hrs
- IMC 631 - IMC Campaigns 3 hrs

Program Total: 36 hours

## Integrated Marketing Communication

### IMC 606 - Multichannel Media I

Focuses on strategic media planning issues and media applications in IMC. Multi-channel Media I provides a foundation in traditional media and metrics, social media marketing and analysis emphasizing an applied approach. This course is the prerequisite for IMC Multi-channel Media II, which emphasizes digital, interactive, social, emerging and experimental communication platforms.

**Credit Hours:** 3 hrs

**Prerequisites:** IMC 602

**Last Updated:** Description 07/2011; Links 05/2011

### IMC 607 - Multichannel Media II

Multi-channel Media II focuses on media planning issues and media strategies in IMC with an emphasis on digital, interactive, social, emerging and experimental media. The course will also examine the relationship with legacy media and the merging communication platforms. Historical, legal, technological and business implications are explored.

**Credit Hours:** 3 hrs

**Prerequisites:** IMC 606

**Last Updated:** Description 07/2011; Links 05/2011

### IMC 616 - Search Engine Marketing

This course focuses on the effective deployment of search engine marketing through hands-on experience developing and managing accounts with significant advertising spends. In addition, students learn to optimize the process for converting web visitors to customers. Currently, this course uses Google AdWords and Analytics.

**Credit Hours:** 3

**Prerequisite/Corequisites:** IMC 601, IMC 602

**Major Restrictions:** Only Integrated Marketing Communications Majors may take this course.

**Graduate Credit:** Restricted to Graduate students

**Last Updated:** Major Restrictions 07/2011; Created 07/2011

## **International Business**

### **IB 610 - Globalization and Business Environment**

This course takes an interdisciplinary approach and examines worldwide integration in cultural, economic, political, industrial, technological and other spheres to gauge the impact of globalization on organizations and people worldwide. The primary objective of this course is to provide students with an understanding of the effects of worldwide integration resulting from globalization.

**Credit Hours:** 3 hrs

**Prerequisites:** admission to the College of Business

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **Law**

### **LAW 503 - Law, Enterprise and Ethics**

This course covers topics in business law, ethics and the law of enterprises. Material includes the substantive law of contracts and torts, agency and enterprise formation, including limited liability companies, corporations and securities laws. Business ethics are taught from a legal perspective.

**Credit Hours:** 3 hrs

### **LAW 511 - Sports Law**

An in-depth study and case analysis of the law and legal issues associated with sports, sporting events, physical education and the recreation industry. Topics include: international sports and recreation law, the National Collegiate Athletic Association, dispute resolution (mediation, negotiation, arbitration), negligence, property/premises law, torts and criminal law, risk management, contract law and drafting, constitutional law, equal employment opportunity law, anti-trust law, player agents, issues in women's sports.

**Credit Hours:** 3 hrs

### **LAW 525 - E-Commerce Law**

The Internet has created a new set of legal problems that pose immense challenges for business. This course covers a range of e-commerce legal issues including privacy issues, data protection, intellectual property, e-commerce contracts, cyber torts, e-commerce dispute resolution and online marketing.

**Credit Hours:** 3 hrs

### **LAW 535 - Ethics and Legal Compliance**

An in-depth study of ethical and legal compliance in business. The course will examine various stakeholder (shareholders/employees/customers/client/patient/community) relationships and laws such as the Securities Exchange Act, Sarbanes-Oxley, Title VII, The Clean Air Act, The Clean Water Act, UCC, Digital Millennium Copyright Act of 1998, Whistleblower Protection Act, contracts, intellectual protection, torts, health regulations and malpractice.

**Credit Hours:** 3 hrs

### **LAW 540 - Employment Law**

The course will focus on the law applicable to employment. Subject topics and laws covered will include: employment at-will, wrongful discharge, equal employment opportunity (Title VIII of the Civil Rights Act, 42 U.S. 1981, ADEA, Equal Pay Act, Elliott-Larsen, Family Medical Leave Act, American Disabilities Act, Michigan Handicapper's Act, Executive Order 11246) health and safety (OSHA, workers' compensation), compensation (ERISA, FLSA), unemployment compensation, personnel records, lie-detector tests, whistle-blower's protection, labor law (National Labor Relations Act, as amended, etc.), the employment litigation process.

**Credit Hours:** 3 hrs

### **LAW 550 - International Business Law**

This course will focus on the international business law to enable business managers to analyze legal issues and manage risks relevant to the international business transactions. Topics covered will include prevalent legal systems, applicable business laws in specific geographic areas such as the European Union and a legal analysis of various types of international business transaction such as sales contracts, licensing, direct and indirect foreign investment, etc. Topics included are laws relative to: 1) trade including imports, customs, tariff regulation, World Trade Organization and NAFTA; 2) advertising, patent, business formation, currency risk, anti-trust employment; 3) international ethics; 4) international contracts.

**Credit Hours:** 3 hrs

### **LAW 590 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

### **LAW 591 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

### **LAW 592 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

### **LAW 595 - Seminar in Business Law**

A study of selected business law issues and topics that may vary from semester to semester.

**Credit Hours:** 3 hrs

### **LAW 597 - Independent Study**

Students select a problem or group of problems to be researched or studied in depth under the direction of a designated faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **LAW 598 - Independent Study**

Students select a problem or group of problems to be researched or studied in depth under the direction of a designated faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **LAW 599 - Independent Study**

Students select a problem or group of problems to be researched or studied in depth under the direction of a designated faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **LAW 603 - Legal Environment of Nonprofit Organizations**

Study of the laws and regulations that govern board members and managers of nonprofit, nongovernmental entities; such as, federal tax laws, state regulations, fiduciary responsibilities, legal liability, ethical issues and conflict resolution.

**Credit Hours:** 3 hrs

### **LAW 615 - Law for Financial Professionals**

A study of basic legal and ethical issues relative to finance law including contracts, business forms (sole proprietors, partnerships, limited liability companies, franchises, corporations), securities offerings and investor protection (security laws including Sarbanes-Oxley), corporate governance, accounting and auditing regulation, banking, negotiable instruments and checks, creditor's rights, bankruptcy, agency, insurance and special topics such as liability of accountants.

**Credit Hours:** 3 hrs

## **LAW 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **LAW 679 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** LAW 503

**Last Updated:** Links 05/2011

## **LAW 680 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** LAW 503

**Last Updated:** Links 05/2011

## **LAW 681 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** LAW 503

**Last Updated:** Links 05/2011

## **LAW 697 - Independent Study**

Students select a problem or group of problems to be researched or studied in depth under the direction of a designated faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **LAW 698 - Independent Study**

Students select a problem or group of problems to be researched or studied in depth under the direction of a designated faculty member.



**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **LAW 699 - Independent Study**

Students select a problem or group of problems to be researched or studied in depth under the direction of a designated faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **Marketing**

### **MKTG 474 - Promotional Strategy**

Problems of advertising and other promotional tools in the context of Integrated Marketing Communications theory. Topics include interactive promotions, direct marketing promotions, sales promotions and public relations. Emphasis on problem-based decision making and development of promotional campaigns.

**Credit Hours:** 3 hrs

**Prerequisites:** MKTG 369

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

### **MKTG 510 - Marketing Management**

This course introduces students to the basic concepts, practices and analytical techniques of marketing. As such, it is designed to be comprehensive in scope, contemporary in outlook and managerial in orientation. It may include computerized-decision simulation and teamwork.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

### **MKTG 525 - Global Marketing**

Global marketing issues are examined with emphasis on the design and implementation of strategies for global markets. Students gain knowledge and skills in cross-cultural issues as well as in global market segmentation and positioning, global marketing research, and global marketing mix. Case analyses and projects are utilized to this end.

**Credit Hours:** 3 hrs

**Prerequisites:** MKTG 510

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

### **MKTG 530 - E-Commerce Essentials**

This course provides an overview of e-business. It explores managerial issues related to economics, marketing and logistics of business transactions in the networked economy. Topics include information technology, value creation and delivery, supply-chain management, electronic financial markets, digital storefronts, digital payments and the ethical/legal issues involving electronic commerce that are highlighted in case studies.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **MKTG 581 - EuroMarketing**

This course provides latest insights on the European Union as the largest developed single market in the world. It addresses the implications of directives governing the integration of European markets and the strategies that the American businesses should use to stay competitive in Europe.

**Credit Hours:** 3 hrs

**Class Restrictions:** Junior standing

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **MKTG 590 - Special Topics**

The courses involve daily visitations to various types of domestic and/or foreign business enterprises where discussions are held in seminars concerning marketing and other business affairs. Subsequent seminar sessions are held by the instructor at a classroom arranged prior to the trip. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **MKTG 591 - Special Topics**

The courses involve daily visitations to various types of domestic and/or foreign business enterprises where discussions are held in seminars concerning marketing and other business affairs. Subsequent seminar sessions are held by the instructor at a classroom arranged prior to the trip. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **MKTG 592 - Special Topics**

The courses involve daily visitations to various types of domestic and/or foreign business enterprises where discussions are held in seminars concerning marketing and other business affairs. Subsequent seminar sessions are held by the instructor at a classroom arranged prior to the trip. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **MKTG 597 - Independent Study**

An intensive study of a problem, under the direction of graduate faculty members.

**Credit Hours:** 1 hr

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

### **MKTG 598 - Independent Study**

An intensive study of a problem, under the direction of graduate faculty members.

**Credit Hours:** 2 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

### **MKTG 599 - Independent Study**

An intensive study of a problem, under the direction of graduate faculty members.

**Credit Hours:** 13 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

### **MKTG 610 - Marketing Policies and Problems**

This course involves analysis and resolution of a variety of realistic marketing problems. Students utilize marketing tools and theory along with financial analysis in order to evaluate and select viable solutions. Admission to the MBA program is required.

**Credit Hours:** 3 hrs

**Prerequisites:** MKTG 510

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

### **MKTG 630 - Sales Operation Management**

An intensive investigation of the sales function and its relationship to the total marketing program. Topics considered include setting sales objectives, formulation of sales strategy, development of sales organization, relationships with distributors and dealers, public policy as it relates to the sales function, analytical tools for forecasting sales, qualitative and quantitative measures of sales performance, control of sales operations and integration of sales and other marketing functions. Reviews of the literature in the sales field and cases stressed.

**Credit Hours:** 3 hrs

**Prerequisites:** MKTG 510

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

### **MKTG 635 - Digital Marketing**

This course focuses on the marketing issues and practices relevant to digital environments such as the Internet and other emerging digital media. Students will develop an understanding of digital consumers in shaping and influencing marketing strategy and will analyze marketing issues facing firms that want to compete in the digital world.

**Credit Hours:** 3 hrs

**Prerequisites:** MKTG 510

**Major Restrictions:** College of Business students only

**Previously Listed as:** MKTG 635 - Internet Marketing

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Title and Course Description Change 08/2012, effective Winter 2013; Links 05/2011

## **MKTG 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **MKTG 640 - Integrated Marketing Communications**

An integrative decision-oriented course emphasizing the strategic functions of an effective program of corporate promotions employing advertising, interactive marketing, direct marketing, sales promotions, public relations, experimental marketing and other relevant aspects of integrated marketing communications

**Credit Hours:** 3 hrs

**Prerequisites:** MKTG 510

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **MKTG 645 - Database Marketing**

This course teaches how databases are properly created and effectively used in marketing. It offers an in-depth, practical coverage of the strategic and tactical decisions involved in marketing database development, maintenance, warehousing, and mining. It emphasizes how organizations can establish and maximize their relationships with customers using databases.

**Credit Hours:** 3 hrs

**Prerequisites:** DS 501 and MKTG 510

**Major Restrictions:** MBA students only

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011; Prerequisite Change 07/2011, effective Fall 2011

## **MKTG 655 - Strategic Brand Management**

This course addresses important branding processes and decisions faced by organizations. It blends theories and practices of product and brand management to promote active learning. Particular emphasis is on understanding the psychological principles and buying behaviors to improve managerial decision-making with respect to positioning, product features, pricing and distribution.

**Credit Hours:** 3 hrs

**Prerequisites:** MKTG 510 and admission to College of Business

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **MKTG 665 - Seminar in Consumer Behavior**

A seminar designed to study theories and models of consumer behavior, with an emphasis on applications of theory to the development of marketing strategies.

**Credit Hours:** 3 hrs

**Prerequisites:** MKTG 510

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **MKTG 670 - Advanced Methods in Marketing Research**

This course outlines the application of research methods to aid in marketing decision making. Included are approaches to problem definition, secondary data review, questionnaire development, data collection, data analysis and managerial interpretation, and the reporting of research findings. This course will also provide a detailed look at a computer-based statistical package (e.g., SPSS).

**Credit Hours:** 3 hrs

**Prerequisites:** MKTG 510

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **MKTG 679 - Special Topics**

Selected topic(s) from the field of marketing. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** MKTG 510

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **MKTG 680 - Special Topics**

Selected topic(s) from the field of marketing. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** MKTG 510

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **MKTG 681 - Special Topics**

Selected topic(s) from the field of marketing. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** MKTG 510

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **MKTG 695 - Seminar**

The purpose of this seminar is to develop both an understanding of, and a point of view toward, some of the major problems of marketing that are dealt with briefly or not at all in required course work. Topics vary from year to year in accordance with the needs and interests of the students.

**Credit Hours:** 3 hrs

**Prerequisites:** MKTG 510

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **MKTG 697 - Independent Study**

An intensive study of a problem, under the direction of graduate faculty members.

**Credit Hours:** 1 hr

**Prerequisites:** MKTG 510 and department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **MKTG 698 - Independent Study**

An intensive study of a problem, under the direction of graduate faculty members.

**Credit Hours:** 2 hrs

**Prerequisites:** MKTG 510 and department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **MKTG 699 - Independent Study**

An intensive study of a problem, under the direction of graduate faculty members.

**Credit Hours:** 3 hrs

**Prerequisites:** MKTG 510 and department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **Supply Chain Management**

### **SCM 611 - Supply Chain Management**

Study of the components of the entire supply chain. Emphasis on collaboration and planning related to major functional areas required to organize the flow of products from inception through delivery to satisfy final customer needs. Information and communication technology as an enabler of supply chain management strategies is also discussed.

**Credit Hours:** 3 hrs

**Prerequisites:** MKTG 510

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

### **SCM 614 - Information Technology for Supply Chain Management**

The purpose of this course is to discuss knowledge and skills in information technology for supply chain management. Major topics include electronic data interchange (EDI), enterprise resource planning (ERP), B2B e-commerce, network and telecommunication infrastructure for SCM, and data warehouse applications in SCM. Hands-on exercises in an ERP system may be included in this course.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 07/2012

## **SCM 618 - Logistics in the Supply Chain**

Analysis of the operational challenges involved in developing and implementing a firm's logistics strategy. Emphasis will be placed on logistics as a value-adding process and the integration of logistics with other business processes. Use of analytical tools such as SAP for making decisions regarding site selection, production, inventory, and transportation.

**Credit Hours:** 3 hrs

**Prerequisites:** MKTG 510

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **SCM 622 - Customer Relationship Management**

This course provides the fundamental concepts in customer relationship management. Topics include understanding the total customer experience, CRM planning, e-customer service, best practices, call center management, data warehousing, ERP, Internet CRM integration, customer value and retention, interrelationship selling and partner relationship management.

**Credit Hours:** 3 hrs

**Prerequisites:** MKTG 510

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **SCM 624 - Operations Planning and Scheduling in Supply Chain**

This course focuses on the integration of operations planning and scheduling for multiple organizations in a supply chain. Topics include: production strategy (making-to-stock, assemble-to-order, etc.), demand management master scheduling, material and resource requirements planning, e-procurement, capacity management, inventory management and shop floor control. Hands-on computer exercises (using ERP) are included.

**Credit Hours:** 3 hrs

**Prerequisites:** SCM 611

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **SCM 628 - Purchasing/Outsourcing & Quality**

Provides students with an understanding of operational and strategic issues related to purchasing, outsourcing and quality in the supply chain. Emphasis is placed on how purchasing strategy enhances customer value through efficient acquisition of raw materials and supplies. Buyer-supplier relationships and quality control/improvement tools and techniques are discussed.

**Credit Hours:** 3 hrs

**Prerequisites:** MKTG 510 and OM 503

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **SCM 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment.

Enrollment enables access to library, health services and other resources.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Notes:** Credit will not apply toward degree completion.

**Terms Offered:** Offered on a credit/no-credit basis.

Course Rotation Schedules

**Last Updated:** Links 07/2012



# Leadership and Counseling Programs and Courses

## Leadership and Counseling

### Doctorate

### Doctor of Education in Educational Leadership (EDLD)

#### Adviser:

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or

*Jaclynn Tracy, Ph.D.*

Department Head

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#### Model

Eastern Michigan University's advanced professional education programs develop leaders who demonstrate reflective thought and scholarship within the context of a culturally diverse society.

#### Admission Requirements

To be eligible for admission to the doctoral program in educational leadership, the applicants must meet the following requirements:

1. Have completed either a master's or specialist's degree from an accredited university.
  - a. Students with a master's degree must have completed it with a minimum GPA of 3.3 on a 4.0 scale.
  - b. Students with a specialist's degree from Eastern Michigan University or from another accredited institution of higher education must have a minimum graduate GPA of 3.3 on a 4.0 scale.
2. Present evidence of a valid teaching certificate or sign a waiver indicating that they do not seek certification.
3. Complete the Application for Graduation Admission form.
4. Provide a résumé reflecting professional experience, scholarly activity, etc.
5. Submit three letters of recommendation addressing the applicant's professional background, two of which must be from past or present supervisors.
6. It is desirable that applicants currently hold, or formerly have held, an administrative position; or present evidence of leadership potential.
7. Scores on the General Test of the Graduate Record Examinations (GRE). Typically, students admitted to the doctoral program will have scored at or above the 55th percentile on the analytical, verbal and quantitative sections of the

Graduate Record Examination with a minimum composite score of 1000 on the General Test and a 4.0 on analytical writing. Given the focus of the educational leadership program on a holistic admissions approach, failure to score at this level will not necessarily exclude a person from admission if other factors indicate potential for success and are judged as superior assets by the faculty.

8. The faculty of the educational leadership program will conduct personal interviews with selected individuals applying for the doctoral program once a year.

The admission deadline is February 1 for admittance during the following fall session. A limited number of candidates are chosen each year.

### **Admission Process**

The admission process for the doctoral degree includes the following steps:

1. Send the Application for Graduate Admissions form, fee, required transcripts, résumé, a copy of test scores, personal statement and letters of recommendation to the Office of Admissions.
2. Send official Graduate Record Exam results to the Office of Admissions.
3. Upon receipt of the completed applications by February 1, the materials will be reviewed by the faculty of the educational leadership program. Selected applicants will be invited to a personal interview with the program faculty.
4. Following personal interviews, those candidates who have presented the greatest evidence of potential for success in the program will be selected and notified of their admission by the program coordinator. Only 12-15 candidates are selected annually.
5. All decisions by the faculty regarding admissions are final.

### **Retention Process and Review**

The objective of this retention plan is to monitor students' development and progress in the program, and to identify those students who need additional assistance in order to complete the doctoral program successfully.

1. If a doctoral student receives a grade lower than B+ in any educational leadership class, the educational leadership faculty member who assigns this grade must complete the "Leadership Candidate Evaluation Form" for this student, assign the appropriate rating on each of the 12 generic leadership skills, and include it in the student's departmental file.
2. A retention review of the student's file will be conducted at the end of the student's first academic year by the student's doctoral adviser. Students who have not maintained a minimum GPA of at least 3.5 in required educational leadership courses, or those who have not achieved an overall rating of at least "average" on the "Leadership Candidate Evaluation Form," will be requested to meet with their doctoral adviser to discuss problems, concerns and issues. If a need for assistance is established, a plan will be developed by the adviser and student.

### **Credit Interface with Specialist's Degree**

Students may enter the doctoral program in educational leadership with a specialist's degree in educational leadership either from Eastern Michigan University or from another accredited institution of higher education. The interface of credit from this degree with the doctoral degree differs depending on the field in which the specialist's degree was earned.

Those students who have completed the EMU specialist's degree in educational leadership, or in another department at EMU, must take a minimum of 37 new hours toward completion of the 60-hour doctoral program. The determination of which hours can be counted will be the responsibility of the student's doctoral adviser.

### **Internship Option**

The application of conceptual, technical and human relations skills that is essential to successful educational leadership (i.e., the testing of theory against prevailing practice) is best observed and explored when there is direct involvement in administration. Students in the educational leadership doctoral program have the option of an internship of 200-400 clock hours. This internship is to be a clinical experience that occurs in a leadership role related to the student's career goals. The internship is to be supervised by an experienced educational administrator and the director of the intern program in the educational leadership program.

The internship requirement must be completed prior to the completion of the comprehensive qualifying examination.

### **Residence Requirement**

Although the Graduate School does not require a specific period of campus residency, it nevertheless supports the efforts of graduate programs to create a cohesive intellectual community. Rigorous graduate programs constitute a community of scholars, in which students are gradually introduced by faculty to the scholarly standards, research protocols, ethical norms, professional expectations, social history and current leaders of the discipline. Such a community must be created deliberately, especially in programs with a high concentration of students who commute, attend part time and are employed full time. Seminars, speaker programs, shared authorship and conference presentations, and social events are just some of the ways in which this socialization can occur.

### **Comprehensive Qualifying Examination**

When students have completed all doctoral course work except for dissertation research, they are required to complete the comprehensive qualifying examination. The purpose of this examination is to determine the student's subject mastery of the concepts, literature base and research; and knowledge of problems and issues in the major field (educational leadership) and the cognate area of study. The student is expected to provide written evidence of the ability to analyze and synthesize information, integrate learnings into a meaningful whole and draw appropriate conclusions.

Following the writing of the comprehensive qualifying examination, the student's responses will be reviewed by the student's doctoral examination committee of the educational leadership program, depending upon the examination option selected. All options include an oral examination during which the student's written exam is discussed in greater depth by the student with members of the doctoral committee.

Failure on the written portion of the comprehensive qualifying examination (either partially or totally) will cause the student's performance in the program to be reviewed by the student's doctoral committee in consultation with the department head. The committee will then recommend that the student either be dismissed from the doctoral program, be permitted to withdraw from the doctoral program or be allowed to retake the examination (either partially or totally) after a remediation plan has been developed and implemented. Re-examination may not take place until at least six months have elapsed, but must occur within one year. The results of the second examination are final. After the second written attempt, the student's doctoral committee may ask the student to participate in an intensive oral examination. If, after this oral examination, the student's doctoral committee maintains that the student has not achieved the level of proficiency needed by a professional in the field of educational leadership, the recommendation will be made to the graduate dean that the student be dismissed from the doctoral program.

## **Curriculum**

A doctoral student's individualized course of study is normally expected to encompass at least 60 hours of course work beyond the master's degree. The exact number of hours will be determined by the student's program adviser, based on a review of previous graduate work/transcripts, the student's professional and personal aspirations and the doctor of education degree requirements as set forth by the Graduate School and the Department of Leadership and Counseling. Therefore, some plans of study will have only 60 hours while others may include additional hours, either courses designed to remove deficiencies or courses to enhance opportunities for leadership success, at the discretion of the program adviser.

The doctoral program of study has four components: major (educational leadership), cognate, research support and dissertation research. The minimum number of credit hours allocated to each component are:

Major (educational leadership)	30 hours
Cognate	10 hours
Research Support	8-12 hours
Dissertation Research	12 hours

**Program Total: 60 hours minimum**

**Major (Educational Leadership): 30 hours**

**Required Courses: 18 hours**

- EDLD 710 - Leadership Theory 3 hrs
- EDLD 714 - Data-Driven Decision Management for Educational Leaders 3 hrs
- EDLD 740 - Advanced Organizational Theory 3 hrs
- EDLD 794 - Advanced Seminar in Educational Administration 3 hrs
- EDLD 810 - Ethics and Policy Analysis for Educational Leaders 3 hrs
- EDLD 820 - The Politics of Educational Leadership 3 hrs

**Elective Courses: 12 hours**

The remaining 12 hours are to be selected from EDLD courses according to the student's professional and personal goals, including considerations of career advancement and certification, and as approved by the student's doctoral adviser. Previous graduate course work in educational leadership which was taken as part of the specialist's degree can be used to meet some of the 30 hours in the major, as described in the credit interface section above.

**Cognate Courses: 10 hours**

The opportunity for individualization of the doctoral program is present in the selection of a cognate area of study which contributes significantly to the student's development as a professional educator and administrator. The cognate specialization is developed through completion of a sequence of related courses that are designed to add depth to the student's doctoral program. In order to provide maximum flexibility in meeting individual needs, the 10-hour cognate may be completed in any one or a combination of graduate academic units, departments, schools, or colleges of the University that offer a sufficient number of advanced graduate courses. Previous graduate course work in a cognate that was taken as part of the specialist degree can be used to meet some of the 10 hours in the cognate, as described in the credit interface section above.

**Research Support Courses: 8-12 hours**

The research support component of the doctoral program is designed to enable the student to demonstrate competence in research design, analysis and the use of research tools. Additionally, the student will have experience in conducting useful research and be able to use educational research as an informed and productive consumer. Both statistics and applications courses are needed in this area, depending upon the student's background in this field, and as approved by the student's doctoral adviser. Previous graduate course work in research and research support that was taken as part of the specialist's degree can be used to meet some of the eight hours in this area, as described in the credit interface section above.

- EDPS 621 - Statistical Applications in Educational Research 2 hrs
- EDPS 651 - Inferential Statistics 2 hrs
- EDPS 687 - Qualitative/Interpretive Research 3 hrs

- EDLD 712 - Analysis of Research in Administration 3 hrs

## Dissertation Research: 12 hours

Each student in the doctor of education program will be required to complete a dissertation, a document representing an original research effort. The dissertation will focus on an area of particular interest to the student and the dissertation chair, and the research may be conducted using a variety of research designs (causal-comparative, experimental, etc.) as well as approaches (quantitative or qualitative). The student must register for a minimum of 12 hours of dissertation research, including the dissertation seminar, but may not enroll in dissertation research until he or she has completed the comprehensive qualifying examination and has been admitted to candidacy by the Graduate School. However, this stipulation does not preclude enrollment in the dissertation seminar nor in the student's working with the dissertation chair in formulating ideas about specific research topics. Furthermore, the approval of the dissertation proposal cannot occur until after the student has passed the comprehensive qualifying examination and is enrolled in the dissertation seminar.

When the dissertation is completed, the student will present the written document to the dissertation committee for approval. In a two-hour oral examination/defense, the student will answer questions related to the dissertation research and will defend it. At the conclusion of the oral examination, the doctoral/dissertation committee will determine 1) if the written document meets doctoral standards of quality and rigor; and 2) if the student has successfully defended the research conducted. This process of review and revision continues until the doctoral committee approves both the written document and student's oral defense of the research.

- EDLD 895 - Dissertation Research Seminar 2 hrs
- EDLD 896 - Dissertation Research 1 hrs
- EDLD 897 - Dissertation Research 2 hrs
- EDLD 898 - Dissertation Research 4 hrs
- EDLD 899 - Dissertation Research 8 hrs
- EDLD 900 - Dissertation Research 12 hrs

## Required: 2 hours

- EDLD 895 - Dissertation Research Seminar 2 hrs

## Restricted: 10 hours

A combination of any of the following may be taken to reach the required 10 hour minimum for dissertation research:

- EDLD 896 - Dissertation Research 1 hrs
- EDLD 897 - Dissertation Research 2 hrs
- EDLD 898 - Dissertation Research 4 hrs
- EDLD 899 - Dissertation Research 8 hrs
- EDLD 900 - Dissertation Research 12 hrs

## Program Total: 60 hours (minimum)

## Graduate Certificate

## Academic Advising Certificate Program (AA)

**Adviser:**

*Jaclynn Tracy, Ph.D.*  
304 Porter Building  
734.487.0255  
Jtracy@emich.edu  
www.emich.edu/coe/lc

Using the National Academic Advising Association (NACADA) core values and the Council for Advancement of Standards in Higher Education (CAS) for academic advising, the EDLD faculty incorporated the major national goals for academic advisors.

Upon completion of this certification program, students will demonstrate competency in the following areas:

- Promote student growth and development
- Discuss and clarify educational, career, and personal goals
- Understand the institutional, general education, and major requirements of an institution
- Advise on the selection of appropriate course and other educational experiences
- Understand institutional policies and procedures
- Evaluate and monitor student academic progress and the impact on achievement of goals
- Direct students with educational, career, or personal concerns, or skill or learning deficiencies to other resources and programs on a campus
- Knowledge of and refer to educational, institutional, and community resources and activities (e.g. internship, study abroad, honors, service-learning, research opportunities)
- Knowledge of relevant data about student needs, preferences and performance for use in institutional decisions and policy
- Knowledge of latest technology for delivery of advising information

### **Admission Requirements**

For admission an applicant must:

1. Complete the Graduate School Application. All admission materials are submitted through the Graduate Admissions Office.
2. Have earned a valid undergraduate degree from an accredited four-year institution of higher education.
3. International students must have a minimum score of 550 on the Test of English as a Foreign Language (TOEFL) or 80 on the Michigan English Language Ability Battery (MELAB). International students must also submit a minimum score of 230 on the Test of Spoken English (TSE).
4. Applicants must have a 2.50 undergraduate GPA or a 2.75 GPA in the second half of the undergraduate program. A 3.0 GPA or better on a previous graduate degree.
5. Submit recommendations from two professional supervisors and/or supervising professors that can address the quality of the applicant's professional work. Applicants may receive these forms from the department office. Recommendation forms are submitted with the Graduate School Application.
6. Applicants must submit a resume detailing their professional and educational experiences.

7. Complete a personal statement describing the reasons to pursue a graduate certificate program in academic advising including career and educational goals. The essay must be a minimum of 250 words and will be reviewed as an indicator of writing ability.

## Required Courses: 14 hours

- EDLD 550 - Introduction to Student Affairs in Higher Education 3 hrs
- EDLD 552 - Introduction to Academic Advising 3 hrs
- EDLD 631 - Human Relations Skills for Educational Leaders 3 hrs
- EDLD 655 - College Student Development Theory 3 hrs
- EDLD 687 - Master's Internship in Educational Leadership 2 hrs

## Department Electives: 1-3 hours

## Certificate Total: 15-17 hours

## Graduate Certificate in Community College Leadership (CCL)

# Revised Certificate Program, Effective Winter 2013

### Adviser:

*Eboni M. Zamani-Gallaher, Ph.D.*  
Professor, Educational Leadership  
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This 18 credit hour graduate certificate allows students to extend their knowledge and understanding of the community college setting. The program also interfaces with EMU's other higher education administration degree programs.

Admission Requirements: see below

Master of Arts in Educational Leadership- Higher Education/ General Administration (HEGA)

Master of Arts in Educational Leadership- Higher Education/ Student Affairs (HESA)

## Required Core Courses: 12-14 hours

- EDLD 509 - Educational Leadership in a Pluralistic Society 3 hrs
- EDLD 551 - Contemporary College Students 3 hrs
- EDLD 632 - Community College Leadership 3 hrs
- EDLD 696 - Seminar in Educational Leadership 3 hrs  
Organizational Control and Administration of Community Colleges
- EDLD 687 - Master's Internship in Educational Leadership 2 hrs

This is only required for students who have not had relevant work experience

## Elective Courses: 4-6 hours

*Choose two of the following:*

- EDLD 550 - Introduction to Student Affairs in Higher Education 3 hrs
- EDLD 609 - Team Building and Consensus Decision-Making of Educational Leadership 3 hrs
- EDLD 611 - Introduction to Adult and Continuing Education 3 hrs
- EDLD 613 - Introduction to Higher Education 3 hrs
- EDLD 614 - Law for Higher Education 3 hrs
- EDLD 633 - History of American Higher Education 3 hrs
- EDLD 634 - Higher Education Finance 3 hrs
- EDLD 635 - Policy Analysis in Higher Education 3 hrs
- EDLD 655 - College Student Development Theory 3 hrs
- EDLD 660 - Grantwriting 2 hrs
- EDLD 696 - Seminar in Educational Leadership 3 hrs

**Certificate Total: 18 hours**

## Additional Program Information

### **Course Substitutions/Program Changes**

Changes in the student's official program and substitution of courses must be approved by the adviser prior to registration.

### **Courses Outside the Program**

A suggested list of courses has been prepared by the EDLD Program. Other courses may be used for electives in this area if they are approved by the student's adviser.

### **Internships**

Information is available from the director of the intern program or at <http://www.emich.edu/coe/lc> . Internship placements should be arranged at least one semester in advance and must be approved by the internship director.

## **Graduate Certificate in Helping Interventions in a Multicultural Society (HIMS)**

Adviser: Dibya Choudhuri, Ph.D.  
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[coe\\_ldcn\\_coun\\_info@emich.edu](mailto:coe_ldcn_coun_info@emich.edu)

Potential H.I.M.S. Graduate Certificate program applicants will be required to fulfill the following admission requirements, which reflect those criteria required for the counseling master's degree program. These include:

1. Applicants must be program admitted in a valid graduate program in the helping services, or have completed such a program with a minimum GPA of 3.0 on a 4.0 scale.
2. International students must submit scores on the Test of English as a Foreign Language (TOEFL) of 550 and 5 on the essay.



3. Applicants must submit recommendations from two professional supervisors and/or supervising professors that address the quality of the applicant's professional work. Applicants may receive the appropriate recommendation forms from the department office. Recommendation forms are due with the Application for Graduate Admission form.
4. Applicants must submit a résumé that details professional and educational experiences.
5. On the graduate application, students must complete a letter of intent relevant to the certificate program. This letter should address applicants' experiences and knowledge in working with culturally diverse populations, their rationale for seeking additional training and their goals after completing such training.

## Required Core Courses: 11 hours

- COUN 505 - Counselor Development: Basic Skills 3 hrs
- COUN 571 - Cross-cultural Counseling 3 hrs
- COUN 660 - Case Management: Using Community Resources in Counseling 2 hrs
- COUN 671 - Advanced Multicultural Counseling 3 hrs

## Elective Courses: 4 hours

*Select four hours of elective courses from the following:*

- COUN 590 - Special Topics 1 hr
- COUN 591 - Special Topics 2 hrs
- CTAC 511 - Readings in Interracial/Interethnic Communication 2 hrs
- CTAC 647 - Intercultural Communication 3 hrs
- EDLD 509 - Educational Leadership in a Pluralistic Society 3 hrs
- PSY 542 - Women and Mental Health 2 hrs
- SOCL 502 - Racial and Cultural Minorities 3 hrs
- SOCL 503 - The Family as an Institution 3 hrs

## Certificate Total: 15 hours

# Postsecondary Planning Specialist Certificate Program for School Counselors (PPS)

### Adviser:

*Suzanne Dugger, Ph.D.*

Professor  
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sdugger@emich.edu

Extended Programs and Educational Outreach, in partnership with the Department of Leadership and Counseling, offers the Postsecondary Planning Specialist Certificate allowing school counselors to become postsecondary planning specialists. The fully online program is designed for individuals who already have, or are working toward, a master's in school counseling and who wish to gain additional expertise in helping students plan for postsecondary education and career opportunities.

The Postsecondary Planning Specialist certificate program is a 13 credit hour program that may be taken during or after completion of a master's degree in school counseling. Although emphasis is placed upon college as a postsecondary option with special attention to the Michigan College Access Network, the certificate also addresses the role of school counselors in helping students seek postsecondary training via community colleges, career colleges, trade schools, apprenticeships and the military.

### **Accreditation**

The EMU College of Education is accredited by the National Council for Accreditation of Teacher Education and approved by the Michigan Department of Education for the preparation of educational personnel.

## **Admission**

### **Regular Admission**

To be considered for regular admission, candidates must provide evidence of the following criteria.

1. Applicants must have graduated from a regionally accredited institution of higher education with a master's degree in school counseling.
2. Applicants must show evidence of academic aptitude for continued graduate-level study as evidenced by a graduate grade-point average of at least a 3.3 on their previously completed master's degree program in school counseling.
3. International students must meet one or more of the following additional criteria: (A) A score of 550 (total) on the Test of English as a Foreign Language (TOEFL), a score of 230 on the Test of Spoken English (TSE), and a rating of 4.0 on the Test of Written English (TWE). Additional coursework in composition may be required. (B) A score of 80 on the Michigan English Language Ability Battery (MELAB) and a rating of at least 3.0 on the "Oral Interview" portion of the MELAB. Additional course work in composition may be required. These tests must have been taken within the past five years.
4. Statement of Intent: A one-page statement focusing on the applicant's motivation and rationale for seeking admission to the program as well as his or her background and goals related to professional studies.
5. Resume: A focused one-page summary of relevant educational, career and/or life experiences.

### **Conditional Admission**

To be considered for conditional admission, candidates must provide evidence of the following criteria.

1. Applicants must be currently enrolled in a master's degree program in school counseling at a regionally accredited institution of higher education.
2. Applicants must show evidence of academic aptitude for continued graduate-level study as evidenced by a graduate grade-point average of at least 3.5 in their current master's degree program in school counseling.
3. International students must meet one or more of the following additional criteria: (A) A score of 550 total on the Test of English as foreign Language (TOEFL) a score of 230 on the Test of Spoken English (TSE) and a rating of 4.0 on the Test of Written English (TWE). Additional Coursework in composition may be required. (B) A score of 80 on the Michigan English Language Ability Battery (MELAB) and a rating of at least 3.0 on the "Oral Interview" portion of the MELAB. Additional course work in composition may be required. These tests must have been taken within the past five years.
4. Statement of Intent: A one-page statement focusing on the applicant's motivation and rationale for seeking admission to the program as well as his or her background and goals related to professional studies.
5. Resume: A focused, one-page summary of program relevant educational, career and or life experiences.

## Course Work

Students in the Postsecondary Planning Specialist Certificate Program for School Counselors take all course work below. Please note that there are prerequisites that must be met prior to enrolling in some of these required courses.

### Required Courses: 12 Hours

- COUN 590 - Special Topics 1 hr  
\* The 1 credit hour "Special Topics" course required for this program is "Financial Aid Foundations for School Counselors."
- COUN 591 - Special Topics 2 hrs  
\*\* There is one required 2 credit hour "Special Topics" courses as part of this program: "Postsecondary Planning with Families and Special Populations."
- COUN 612 - The School Counselor 2 hrs
- COUN 670 - Postsecondary Planning for School Counselors 3 hrs
- COUN 672 - College Exploration Resources and College Application Management for School Counselors 2 hrs
- COUN 673 - Career Development and Educational Planning in Schools 2 hrs

Certificate Total: 12 Hours

## Master's

### Master of Arts in Clinical Mental Health Counseling (CMHC)

#### Adviser:

*Dibya Choudhuri, Ph.D.*

304 Porter

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or

*Jaclynn Tracy, Ph.D.*

Department Head

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The 60-semester hour Clinical Mental Health Counseling program prepares graduates to work with clients across a spectrum of mental and emotional disorders, as well as to promote mental health and wellness. Employment opportunities may include private practice, community-based mental health centers and other agencies, hospitals and other treatment centers. The program is intended for students who seek licensure as professional counselors. Candidates who are selected for this program are expected to make a major commitment to their graduate-level training and education as well as to enroll in course work on a regular basis. The program includes a 100 clock-hour practicum experience and a 600 clock-hour supervised counseling internship experience.

#### Admission Requirements

Admission to all programs is selective. The selection process is designed to assess the candidate's suitability for graduate study and for a professional career in counseling. Candidates who are selected for these programs are expected to make major commitments to their graduate training.

Applicants must have:

1. A Bachelor's degree from a regionally accredited institution.
2. Evidence of academic aptitude for graduate-level study, **that includes at least one of the following:**
  - a. A 2.75 overall undergraduate GPA, or a 3.0 GPA in the second half of the undergraduate degree program.
  - b. A graduate GPA of a 3.3 on a previously completed advanced degree.
  - c. An acceptable Graduate Record Examination (GRE) score as defined by the department (contact the Coordinator of Graduate Advising). The GRE score may not be more than 5 years old.
  - d. Applicants not meeting other criteria, but having an acquired knowledge of the counseling field based on five years of related experience, may be eligible. Students applying under this provision must contact the coordinator of advising for specific procedures prior to applying to the Office of Graduate Studies and Research.
3. English language proficiency: International students must meet at least one of the following additional criteria:
  - a. A score of 550 (Total) on the Test of English as a Foreign Language (TOEFL) and a rating of 5 on the essay. (Additional course work in composition may be required.) These tests must have been taken within the last two years.
  - b. A score of 77 on the Michigan English Language Ability Battery (MELAB) and a rating of at least 3.0 on the oral interview portion of the MELAB. (Additional course work in composition may be required.) These tests must have been taken within the past two years.
4. Statement of Intent: A one-page statement focusing on the applicant's motivation and rationale for seeking admission to the specific program as well as his or her background and goals related to professional studies.
5. Résumé: A focused, one-page summary of program-relevant educational, career and/or life experiences.
6. Three recommendations: These must be completed on recommendation forms available from the department. They should be completed by professionals with knowledge of the applicant's suitability for graduate work (e.g., supervisors, undergraduate professors).

## Curriculum

The following outline describes the general program requirements leading to a minimum of 60 hours of graduate study for those students seeking the master's degree in clinical mental health counseling.

### Concentration Courses (COUN)

#### Basic Counseling Core (required): 33 hours

- COUN 503 - Dynamics of Life Development 3 hrs
- COUN 504 - Counseling Research 3 hrs
- COUN 505 - Counselor Development: Basic Skills 3 hrs
- COUN 508 - Theories of Counseling 3 hrs
- COUN 515 - Crisis Intervention 3 hrs
- COUN 520 - Assessment in Counseling 3 hrs
- COUN 530 - Career Development and Information Services 3 hrs

- COUN 540 - Group Process I 3 hrs
- COUN 571 - Cross-cultural Counseling 3 hrs
- COUN 580 - Counselor Development: Counseling Process 3 hrs
- COUN 622 - Diagnosis and Treatment Planning in Counseling 3 hrs

### CMH Counseling Specialization (required): 14 hours

- COUN 574 - Couple and Family Counseling 3 hrs
- COUN 575 - Substance Abuse Counseling I 2 hrs
- COUN 623 - Advanced Treatment Planning and Interventions 2 hrs
- COUN 660 - Case Management: Using Community Resources in Counseling 2 hrs
- COUN 694 - Ethical, Legal and Professional Issues in Clinical Mental Health Counseling 3 hrs
- PSY 543 - Abnormal Psychology 2 hrs

### Supervised Counseling Experience (required): 8 hours

- COUN 686 - Counseling Practicum I 4 hrs
- COUN 691D - The Counseling Internship 4 hrs

### Elective Courses: 5 hours

Students select electives with their adviser to enhance their professional growth. They may choose from this list or choose other COUN courses that meet this objective.

- COUN 570 - Diagnosing and Treating Depressed Clients in Counseling 2 hrs
- COUN 592 - Special Topics 3 hrs
- COUN 651 - Counseling with Children 3 hrs
- COUN 680 - Special Topics 2 hrs

### Program Total: 60 hours

## Master of Arts in College Counseling (CLCL)

#### Adviser:

*Dibya Choudhuri, Ph.D.*  
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or

*Jaclynn Tracy, Ph.D.*  
 Department Head  
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The College Counseling Program is designed for students who are interested in working as professional counselors in institutions of higher education. It is a 48-hour program leading to professional counseling licensure in Michigan. Candidates selected for this program are expected to make a major commitment to graduate training and to enroll in course work on a regular basis. The program includes a 600-clock-hour supervised counseling internship experience. The College Counseling Program is nationally accredited by the Council for Accreditation of Counseling and Related Educational Programs (CACREP), a specialized accrediting body that evaluates and grants accreditation to graduate-level programs in professional counseling. The program meets the academic and internship requirements for limited licensure as a professional counselor (LLPC) in the State of Michigan. Information on the post-master's requirements for full licensure as a professional counselor is available in the student handbook for Counseling Programs.

Information pertaining to the internship can be found on the department website [here](#).

### **Admission Requirements**

Admission to all programs is selective. The selection process is designed to assess the candidate's suitability for graduate study and for a professional career in counseling. Candidates who are selected for these programs are expected to make major commitments to their graduate training.

Applicant's must have:

1. A Bachelor's degree from a regionally accredited institution.
2. Evidence of academic aptitude for graduate-level study, **that includes at least one of the following:**
  - a. A 2.75 overall undergraduate GPA, or a 3.0 GPA in the second half of the undergraduate degree program.
  - b. A graduate GPA of a 3.3 on a previously completed advanced degree.
  - c. An acceptable Graduate Record Examination (GRE) score as defined by the department (contact the Coordinator of Graduate Advising). The GRE score may not be more than 5 years old.
  - d. Applicants not meeting other criteria, but having an acquired knowledge of the counseling field based on five years of related experience, may be eligible. Students applying under this provision must contact the coordinator of advising for specific procedures prior to applying to the Office of Graduate Studies and Research.
3. English language proficiency: International students must meet at least one of the following additional criteria:
  - a. A score of 550 (Total) on the Test of English as a Foreign Language (TOEFL) and a rating of 5 on the essay. (Additional course work in composition may be required.) These tests must have been taken within the last two years.
  - b. A score of 77 on the Michigan English Language Ability Battery (MELAB) and a rating of at least 3.0 on the oral interview portion of the MELAB. (Additional course work in composition may be required.) These tests must have been taken within the past two years.
4. Statement of Intent: A one-page statement focusing on the applicant's motivation and rationale for seeking admission to the specific program as well as his or her back ground and goals related to professional studies.
5. Résumé: A focused, one-page summary of program-relevant educational, career and/or life experiences.
6. Three recommendations: These must be completed on recommendation forms available from the department. They should be completed by professionals with knowledge of the applicant's suitability for graduate work (e.g., supervisors, undergraduate professors).

# Curriculum

The following outline describes the general program requirements for the 48-hour college counseling program.

## Concentration Courses (COUN):

### Basic Counseling Core (required): 33 hours

- COUN 503 - Dynamics of Life Development 3 hrs
- COUN 504 - Counseling Research 3 hrs
- COUN 505 - Counselor Development: Basic Skills 3 hrs
- COUN 508 - Theories of Counseling 3 hrs
- COUN 515 - Crisis Intervention 3 hrs
- COUN 520 - Assessment in Counseling 3 hrs
- COUN 530 - Career Development and Information Services 3 hrs
- COUN 540 - Group Process I 3 hrs
- COUN 571 - Cross-cultural Counseling 3 hrs
- COUN 580 - Counselor Development: Counseling Process 3 hrs
- COUN 622 - Diagnosis and Treatment Planning in Counseling 3 hrs

### Supervised Counseling Experiences (required): 8 hours

*Counseling Practicum: 4 hours; Counseling Internship: 4 hours*

- COUN 684 - Counseling Practicum I 2 hrs
- COUN 686 - Counseling Practicum I 4 hrs
- COUN 691A - The Counseling Internship 1 hr
- COUN 691B - The Counseling Internship 2 hrs
- COUN 691C - The Counseling Internship 3 hrs
- COUN 691D - The Counseling Internship 4 hrs

### College Counseling Specialization Area (required): 9 hours

- COUN 692 - Ethical, Legal and Professional Issues in College Counseling 3 hrs
- EDLD 550 - Introduction to Student Affairs in Higher Education 3 hrs
- EDLD 655 - College Student Development Theory 3 hrs

### Elective Courses: 2 hours minimum

*Students select electives with their advisers to enhance their professional growth. They may choose from this list or from other COUN courses that meet their objectives.*

- COUN 574 - Couple and Family Counseling 3 hrs
- COUN 575 - Substance Abuse Counseling I 2 hrs
- COUN 591 - Special Topics 2 hrs

## Research Course (required): 3 hours

*One course from the following:*

- COUN 592 - Special Topics 3 hrs
- EDPS 667 - Principles of Educational Research 3 hrs
- EDPS 677 - Methods in Quantitative Research 3 hrs

Program Total: 55 hours

## Master of Arts in Educational Leadership- Higher Education/ General Administration (HEGA)

### Adviser:

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734.487.0255  
eburton1@emich.edu

or

*Jaclynn Tracy, Ph.D.*  
Department Head  
304 Porter  
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This 38 credit hour Master's program may be of particular interest to professional educators who are either prospective or practicing higher education administrators.

### Model

Eastern Michigan University's advanced professional education programs develop leaders who demonstrate reflective thought and scholarship within the context of a culturally diverse society.

### Admission Requirements

1. Applicants must meet the admission requirements of the Graduate School.
2. Applicants must have earned a valid undergraduate degree from an accredited four-year institution of higher education (an undergraduate student may apply after the final semester's registration is completed).
3. International students must submit scores on the Test of English as a Foreign Language (TOEFL) of 550 and 5 on the essay.
4. Applicants seeking their first master's degree must have an undergraduate GPA of 2.5 overall or a GPA of 2.75 in the second half of the undergraduate program. Applicants seeking a second master's degree must have a GPA of 3.0 or better on their previous graduate degree.
5. Applicants must submit confidential appraisal forms from two professional supervisors and/or supervising professors that address the quality of the applicant's professional work. Applicants may receive these forms from the department office or online at the department website. The completed forms are due with the Application for Graduate Admission.



6. Applicants must submit a résumé that details their professional and educational experiences.
7. On the graduate application, students must complete the personal statement of accomplishments and academic goals portion describing the reasons for requesting admission. This essay must be a minimum of 250 words and will be reviewed as an indicator of writing ability.

### **Admission Process**

The admission process for the master's degree is as follows:

1. The Office of Admissions will receive and gather all required documents. Completed applications that contain the required GPAs, confidential appraisal forms, and the résumé will be forwarded to the coordinator of advising for the educational leadership program.
2. Completed applications will be reviewed by the faculty review committee. Those applicants who have submitted acceptable GPAs, the résumé, recommendations, goal statement and confidential appraisal forms will be admitted, assigned an adviser and invited for an advising interview. An application may be deemed "questionable" due to a combination of low GPA, fair or poor recommendations, poor writing ability and/or statements that are inconsistent with the student's goals as an administrator.
3. These applications will be reviewed by the full faculty, giving special consideration to the life experiences, verbal skills, writing skills, educational background and GPAs.
4. Those persons whose applications are accepted will be notified.
5. All decisions by the faculty regarding admissions are final.

### **Retention Review Requirements**

A retention review will be conducted by the faculty review committee and coordinated by the EDLD coordinator of advising. Students who have not met the following criteria will be identified and asked to meet with their academic advisers. Students must have:

1. A minimum GPA of at least 3.25 in required educational leadership courses.
2. Acceptable progress made in developing a professional portfolio after completing 18 hours of course work.
3. An overall academic skills assessment of average or above in any educational leadership class.

### **Retention Process**

The objective of this retention plan is to assure that students have an opportunity to review the appropriateness of their career choice and to receive assistance in achieving their master's degree in educational leadership should they choose to continue in the field. The retention review will be conducted by the EDLD coordinator of advising with the faculty review committee.

1. After completing 18 hours of course work, students should schedule a meeting with their adviser to discuss the review progress in developing a professional portfolio.
2. Faculty may complete the Leadership Candidate Evaluation form for any student in any class, if they choose to do so. These forms will be filed in the student's folder.
3. Each semester the Graduate School will review the GPA of each student completing 12 hours (which should include EDLD 509 and EDLD 514). The EDLD coordinator of advising will examine the files of all students who have not achieved the required GPA and recommend review by the faculty review committee.
4. The coordinator of advising will send a letter to each identified student requesting him or her to meet with his or her adviser to discuss career goals and the need for assistance. If the need for assistance is established, a plan will be developed. For example, if difficulties exist with skill or concept acquisition, the student may be required to audit a class.

## **Exit Process**

### **Portfolio Requirement**

**Students will be guided through the portfolio assessment process by their adviser as follows:**

1. Following admission, students are required to schedule a meeting with their adviser to plan their program and to obtain information about the exit portfolio assessment.
2. After completing 18 hours of course work, students should schedule a meeting with their adviser to discuss the progress of their portfolios.
3. A student who believes his/her portfolio is complete, should contact the adviser to schedule the oral and written presentation. This will consist of an oral presentation by the student, followed by discussion with faculty regarding the student's learning and growth, along with perceptions of the strengths and/or weaknesses of the overall program.

Student achievement will be documented in a cumulative portfolio that contains artifacts representative of the educational leadership knowledge base.

An assessment of the portfolio will be made using the following criteria:

Cognitive complexity  
Quality of content  
Comprehensiveness  
Meaningfulness

In addition, the program component stressing effective written and oral communication skills will be assessed by examination of the quality of writing presented in the portfolio and the quality of oral communication displayed in the portfolio presentation before faculty. All of the components of the portfolio must be rated satisfactory for completion and presented through the use of Livetext.

**The portfolio will be evaluated as one of the following:**

Pass without revisions  
Pass with minor revisions by date indicated  
Pass with major revisions by date indicated  
No pass

### **Course Requirements**

Students must complete a minimum of 38 credit hours to complete the master's degree. Eighteen hours of specific basic program coursework, eleven hours in general administration and 9 EDLD and related course electives are required. Electives are chosen in consultation with the student's program adviser. EDPS 667 should be taken as early in the program as possible.

## **Basic Concentration Courses: 18 hours**

- EDLD 509 - Educational Leadership in a Pluralistic Society 3 hrs
- EDLD 551 - Contemporary College Students 3 hrs
- EDLD 613 - Introduction to Higher Education 3 hrs
- EDLD 614 - Law for Higher Education 3 hrs
- EDLD 622 - Organization and Administration of Higher Education 3 hrs
- EDPS 667 - Principles of Educational Research 3 hrs

## **General Administration Emphasis: 11 hours**

- EDLD 633 - History of American Higher Education 3 hrs

- EDLD 634 - Higher Education Finance 3 hrs
- EDLD 635 - Policy Analysis in Higher Education 3 hrs
- EDLD 687 - Master's Internship in Educational Leadership 2 hrs

## Elective Courses: 9 hours

- Six elective course hours selected in consultation with the graduate adviser
- EDPS 667 - Principles of Educational Research 3 hrs

Program Total: 38 hours

## Master of Arts in Educational Leadership- Higher Education/ Student Affairs (HESA)

# Revised Graduate Program, Effective Winter 2013

### Adviser:

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304 Porter  
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eburton1@emich.edu

or

*Jaclynn Tracy, Ph.D.*  
Department Head  
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jtracy@emich.edu

This 38 credit hour Master's program is designed to prepare individuals for a wide variety of student affairs positions, such as admissions, orientation, Greek life, housing, leadership development, student activities, academic advising, and athletic academic advising.

### Model

Eastern Michigan University's advanced professional education programs develop leaders who demonstrate reflective thought and scholarship within the context of a culturally diverse society.

### Admission Requirements

1. Applicants must meet the admission requirements of the Graduate School.
2. Applicants must have earned a valid undergraduate degree from an accredited four-year institution of higher education (an undergraduate student may apply after the final semester's registration is completed).

3. International students must submit scores on the Test of English as a Foreign Language (TOEFL) of 550 and 5 on the essay.
4. Applicants seeking their first master's degree must have an undergraduate GPA of 2.5 overall or a GPA of 2.75 in the second half of the undergraduate program. Applicants seeking a second master's degree must have a GPA of 3.0 or better on their previous graduate degree.
5. Applicants must submit confidential appraisal forms from two professional supervisors and/or supervising professors that address the quality of the applicant's professional work. Applicants may receive these forms from the department office or on-line at the department website. The completed forms are due with the Application for Graduate Admission.
6. Applicants must submit a résumé that details their professional and educational experiences.
7. On the graduate application, students must complete the personal statement of accomplishments and academic goals portion describing the reasons for requesting admission. This essay must be a minimum of 250 words and will be reviewed as an indicator of writing ability.

### **Admission Process**

The admission process for the master's degree is as follows:

1. The Office of Admissions will receive and gather all required documents. Completed applications that contain the required GPAs, confidential appraisal forms, and the résumé will be forwarded to the coordinator of advising for the educational leadership program.
2. Completed applications will be reviewed by the faculty review committee. Those applicants who have submitted acceptable GPAs, the résumé, recommendations, goal statement and confidential appraisal forms will be admitted, assigned an adviser and invited for an advising interview. An application may be deemed "questionable" due to a combination of low GPA, fair or poor recommendations, poor writing ability and/or statements that are inconsistent with the student's goals as an administrator.
3. These applications will be reviewed by the full faculty, giving special consideration to the life experiences, verbal skills, writing skills, educational background and GPAs.
4. Those persons whose applications are accepted will be notified.
5. All decisions by the faculty regarding admissions are final.

### **Retention Review Requirements**

A retention review will be conducted by the faculty review committee and coordinated by the EDLD coordinator of advising. Students who have not met the following criteria will be identified and asked to meet with their academic advisers. Students must have:

1. A minimum GPA of at least 3.25 in required educational leadership courses;
2. Acceptable progress made in developing a professional portfolio after completing 18 hours of course work; and
3. An overall academic skills assessment of average or above in any educational leadership class.

### **Retention Process**

The objective of this retention plan is to assure that students have an opportunity to review the appropriateness of their career choice and to receive assistance in achieving their master's degree in educational leadership should they choose to continue in the field. The retention review will be conducted by the EDLD coordinator of advising with the faculty review committee.

1. After completing 18 hours of course work, students should schedule a meeting with their adviser to discuss the review progress in developing a professional portfolio.

2. Faculty may complete the Leadership Candidate Evaluation form for any student in any class, if they choose to do so. These forms will be filed in the student's folder.
3. Each semester the Graduate School will review the GPA of each student completing 12 hours. The EDLD coordinator of advising will examine the files of all students who have not achieved the required GPA and recommend review by the faculty review committee.
4. The coordinator of advising will send a letter to each identified student requesting him or her to meet with his or her adviser to discuss career goals and the need for assistance. If the need for assistance is established, a plan will be developed. For example, if difficulties exist with skill or concept acquisition, the student may be required to audit a class.

### **Exit Process**

#### **Portfolio Requirement**

**Students will be guided through the portfolio assessment process by their adviser as follows:**

1. Following admission, students are required to schedule a meeting with their adviser to plan their program and to obtain information about the exit portfolio assessment.
2. After completing 18 hours of course work, students should schedule a meeting with their adviser to discuss the progress of their portfolios.
3. A student who believes his/her portfolio is complete, should contact the adviser to schedule the oral and written presentation. This will consist of an oral presentation by the student, followed by discussion with faculty regarding the student's learning and growth, along with perceptions of the strengths and/or weaknesses of the overall program.

Student achievement will be documented in a cumulative portfolio that contains artifacts representative of the educational leadership knowledge base.

An assessment of the portfolio will be made using the following criteria:

Cognitive complexity  
Quality of content  
Comprehensiveness  
Meaningfulness

In addition, the program component stressing effective written and oral communication skills will be assessed by examination of the quality of writing presented in the portfolio and the quality of oral communication displayed in the portfolio presentation before faculty. All of the components of the portfolio must be rated satisfactory for completion and presented through the use of LiveText.

**The portfolio will be evaluated as one of the following:**

Pass without revisions  
Pass with minor revisions by date indicated  
Pass with major revisions by date indicated  
No pass

#### **Course Requirements**

Students must complete a minimum of 38 credit hours to complete the master's degree. Twenty-Five hours of specific basic concentration coursework, and 13 additional credits of related course electives are required. Electives are chosen in consultation with the student's program adviser. EDPS 667 or EDPS 677 or EDLD 638 should be taken as early as possible on a student's program.

## **Required Courses: 25 Hours**

- EDLD 550 - Introduction to Student Affairs in Higher Education 3 hrs
- EDLD 551 - Contemporary College Students 3 hrs
- EDLD 613 - Introduction to Higher Education 3 hrs
- EDLD 622 - Organization and Administration of Higher Education 3 hrs
- EDLD 631 - Human Relations Skills for Educational Leaders 3 hrs
- EDLD 655 - College Student Development Theory 3 hrs
- EDLD 687 - Master's Internship in Educational Leadership 2 hrs  
Students will take this course twice

One course from the following:

- EDLD 638 - Assessment and Program Evaluation in Higher Education 3 hrs
- EDPS 667 - Principles of Educational Research 3 hrs
- EDPS 677 - Methods in Quantitative Research 3 hrs

**Elective Courses: 13 hours**

*Students will select thirteen hours of elective courses in consultation with their graduate adviser*

- EDLD 509 - Educational Leadership in a Pluralistic Society 3 hrs
- EDLD 552 - Introduction to Academic Advising 3 hrs
- EDLD 611 - Introduction to Adult and Continuing Education 3 hrs
- EDLD 614 - Law for Higher Education 3 hrs
- EDLD 629 - Leadership Perspective in Comparative International Education 3 hrs
- EDLD 633 - History of American Higher Education 3 hrs
- EDLD 634 - Higher Education Finance 3 hrs
- EDLD 635 - Policy Analysis in Higher Education 3 hrs
- EDLD 636 - Legal, Ethical and Policy Issues in Student Affairs 2 hrs
- or another course approved by faculty

**Program Total: 38 hours**

## **Master of Arts in Educational Leadership- K-12 Administration (K12A)**

**Adviser:**

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or

*Jaclynn Tracy, Ph.D.*  
Department Head  
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EMU's Master of Arts in Educational Leadership is designed for professional educators who are seeking the skills and knowledge to become effective educational curriculum: leadership, research, professionalism and management competency/proficiency. Further development in the areas of human relations, diversity and technology are emphasized. The program format is designed to provide flexibility in course selection to accommodate each student's unique experiences, availability of course offerings and future career goals.

This is a state-approved program for the building level principle license.

### **Admission Requirements**

1. Applicants must meet the admission requirements of the Graduate School.
2. Applicants must have earned a valid undergraduate degree from an accredited four-year institution of higher education (an undergraduate student may apply after the final semester's registration is completed).
3. International students must submit scores on the Test of English as a Foreign Language (TOEFL) of 550 and 5 on the essay.
4. Applicants seeking their first master's degree must have an undergraduate GPA of 2.5 overall or a GPA of 2.75 in the second half of the undergraduate program. Applicants seeking a second master's degree must have a GPA of 3.0 or better on their previous graduate degree.
5. Applicants must submit confidential appraisal forms from two professional supervisors and/or supervising professors that address the quality of the applicant's professional work. Applicants may receive these forms from the department office or on-line at the department website. The completed forms are due with the Application for Graduate Admission.
6. Applicants must submit a résumé that details their professional and educational experiences.
7. On the graduate application, students must complete the personal statement of accomplishments and academic goals portion describing the reasons for requesting admission. This essay must be a minimum of 250 words and will be reviewed as an indicator of writing ability.

### **Admission Process**

The admission process for the master's degree is as follows:

1. The Office of Admissions will receive and gather all required documents. Completed applications that contain test scores, the required GPAs, confidential appraisal forms, a copy of the teaching certificate or waiver, and the résumé will be forwarded to the coordinator of advising for the educational leadership program.
2. Completed applications will be reviewed by the faculty review committee. Those applicants who have submitted acceptable GPAs, the résumé, recommendations, goal statement and confidential appraisal forms will be admitted, assigned an adviser and invited for an advising interview. An application may be deemed "questionable" due to a combination of low GPA, fair or poor recommendations, poor writing ability and/or statements that are inconsistent with the student's goals as an administrator.
3. These persons whose applications will be reviewed by the full faculty, giving special consideration to the life experiences, verbal skills, writing skills, educational background and GPAs.
4. Those applications are accepted will be notified.
5. All decisions by the faculty regarding admissions are final.

### **Retention Review Requirements**

A retention review will be conducted by the faculty review committee and coordinated by the EDLD coordinator of advising.

Students who have not met the following criteria will be identified and asked to meet with their academic advisers. Students must have:

1. A minimum GPA of at least 3.25 in required educational leadership courses;
2. Acceptable progress made in developing a professional portfolio after completing 18 hours of course work; and
3. An overall academic skills assessment of average or above in any educational leadership class.

### **Retention Process**

The objective of this retention plan is to assure that students have an opportunity to review the appropriateness of their career choice and to receive assistance in achieving their master's degree in educational leadership should they choose to continue in the field. The retention review will be conducted by the EDLD coordinator of advising with the faculty review committee.

1. After completing 18 hours of course work, students should schedule a meeting with their adviser to discuss the review progress in developing a professional portfolio.
2. Faculty may complete the Leadership Candidate Evaluation form for any student in any class, if they choose to do so. These forms will be filed in the student's folder.
3. Each semester the Office of Graduate Studies and Research will review the GPA of each student completing 12 hours (which should include EDLD 509 and EDLD 514). The EDLD coordinator of advising will examine the files of all students who have not achieved the required GPA and recommend review by the faculty review committee.
4. The coordinator of advising will send a letter to each identified student requesting him or her to meet with his or her adviser to discuss career goals and the need for assistance. If the need for assistance is established, a plan will be developed. For example, if difficulties exist with skill or concept acquisition, the student may be required to audit a class.

### **Exit Process**

#### **Portfolio Requirement**

**Students will be guided through the portfolio assessment process by their adviser as follows:**

1. Following admission, students are required to schedule a meeting with their adviser to plan their program and to obtain information about the exit portfolio assessment.
2. After completing 18 hours of course work, students should schedule a meeting with their adviser to discuss the progress of their portfolio.
3. A student who believes his/her portfolio is complete, should contact the adviser to schedule the oral and written presentation. This will be made before an EDLD program faculty member, and will consist of an oral presentation by the student, followed by discussion with faculty regarding the student's learning and growth, along with perceptions of the strengths and/or weaknesses of the overall program.

Student achievement will be documented in a cumulative portfolio that contains artifacts representative of the educational leadership knowledge base.

An assessment of the portfolio will be made using the following criteria:

Cognitive complexity  
Quality of content  
Comprehensiveness  
Meaningfulness

In addition, the program component stressing effective written and oral communication skills will be assessed by examination of the quality of writing presented in the portfolio and the quality of oral communication displayed in the portfolio presentation before faculty. All of the components of the portfolio must be rated satisfactory for completion.



**The portfolio will be evaluated as one of the following:**

Pass without revisions  
Pass with minor revisions by date indicated  
Pass with major revisions by date indicated  
No pass

**Course Requirements**

Students must complete 29 hours of program course work and six hours (including EDPS 667 - Principles of Educational Research) in the supportive area. EDPS 667 should be taken as early as possible in the program.

The student's adviser will assist in developing the program of study that may include course work necessary for both administrative certification and the master's degree.

A minimum of 35 hours of graduate credit applicable to the program is required for the master of arts degree. Courses in the basic concentration include:

## Basic Concentration Courses: 29 hours

- EDLD 509 - Educational Leadership in a Pluralistic Society 3 hrs
- EDLD 513 - Community Education and Community Relations 3 hrs
- EDLD 514 - Organization and Administration of K-12 Schools 3 hrs
- EDLD 515 - Instructional Leadership 3 hrs
- EDLD 517 - Leadership for School Improvement 3 hrs
- EDLD 612 - Economics of Public Education 3 hrs
- EDLD 617 - Administering Human Resources in Education 3 hrs
- EDLD 620 - The Principalship 3 hrs
- EDLD 630 - Legal, Ethical and Professional Issues of Administration 3 hrs
- EDLD 687 - Master's Internship in Educational Leadership 2 hrs

## Elective Courses: 6 hours

- Three hours selected in consultation with the graduate adviser
- EDPS 667 - Principles of Educational Research 3 hrs

## Program Total: 35 hours

## Master of Arts in School Counseling (SCS2)

Adviser: Dibya Choudhuri, Ph.D.  
304 Porter  
734.487.0255  
coe\_ldcn\_coun\_info@emich.edu

The school counseling program is a 48-hour master's degree program that provides competencies and proficiencies for entry-level positions as school counselors in elementary, middle, and high school settings. Candidates selected for this program are expected to make a major commitment to their graduate training and to enroll in course work on a regular basis. A 600 clock-hour internship is required, and students must be willing to make the necessary adjustments to complete this internship commitment. Upon completion of the graduate program of study, students are eligible to apply for school counselor endorsement

on their valid Michigan teaching certificates or for K-12 school counselor licensure. The program also meets the academic and internship requirements for limited licensure as a professional counselor (LLPC) in the State of Michigan. Information on the post-master's requirements for full licensure as a professional counselor (LPC) is available in the student handbook for counseling programs. The School Counseling program is nationally accredited by the Council for Accreditation of Counseling and Related Educational Programs (CACREP), a specialized accrediting body that evaluates an grants accreditation to graduate-level programs in professional counseling.

### **Admission Requirements**

Admission to all programs is selective. The selection process is designed to assess the candidate's suitability for graduate study and for a professional career in counseling. Candidates who are selected for these programs are expected to make major commitments to their graduate training.

Applicants must have:

1. A bachelor's degree from a regionally accredited institution.
2. Evidence of academic aptitude for graduate-level study, **that includes at least one of the following:**
  - a. A 2.75 overall undergraduate GPA, or a 3.0 GPA in the second half of the undergraduate degree program.
  - b. A graduate GPA of a 3.3 on a previously completed advanced degree.
  - c. An acceptable Graduate Record Examination (GRE) score as defined by the department (contact the Coordinator of Graduate Advising). The GRE score may not be more than 5 years old.
  - d. Applicants not meeting other criteria, but having an acquired knowledge of the counseling field based on five years of related experience, may be eligible. Students applying under this provision must contact the coordinator of advising for specific procedures prior to applying to the Office of Graduate Studies and Research.
3. English language proficiency: International students must meet at least one of the following additional criteria:
  - a. A score of 550 (Total) on the Test of English as a Foreign Language (TOEFL) and a rating of 5 on the essay. (Additional course work in composition may be required.) These tests must have been taken within the last two years.
  - b. A score of 77 on the Michigan English Language Ability Battery (MELAB) and a rating of at least 3.0 on the oral interview portion of the MELAB. (Additional course work in composition may be required.) These tests must have been taken within the past two years.
4. Statement of Intent: A one-page statement focusing on the applicant's motivation and rationale for seeking admission to the specific program as well as his or her back ground and goals related to professional studies.
5. Résumé: A focused, one-page summary of program-relevant educational, career and/or life experiences.
6. Three recommendations: These must be completed on recommendation forms available from the department. They should be completed by professionals with knowledge of the applicant's suitability for graduate work (e.g., supervisors, undergraduate professors).

### **Curriculum:**

The following outline describes the general program requirements for the 48-hour school counseling program.

### **Concentration Courses:**

## Basic Counseling Core (required): 34 hours

- COUN 503 - Dynamics of Life Development 3 hrs
- COUN 504 - Counseling Research 3 hrs
- COUN 505 - Counselor Development: Basic Skills 3 hrs
- COUN 508 - Theories of Counseling 3 hrs
- COUN 515 - Crisis Intervention 3 hrs
- COUN 520 - Assessment in Counseling 3 hrs
- COUN 530 - Career Development and Information Services 3 hrs
- COUN 540 - Group Process I 3 hrs
- COUN 571 - Cross-cultural Counseling 3 hrs
- COUN 580 - Counselor Development: Counseling Process 3 hrs
- COUN 622 - Diagnosis and Treatment Planning in Counseling 3 hrs

## School Counseling Specialization Area (required): 14 hours

- COUN 612 - The School Counselor 2 hrs
- COUN 650 - Organization and Administration of School Counseling Services 2 hrs
- COUN 686 - Counseling Practicum I 4 hrs
- COUN 691D - The Counseling Internship 4 hrs
- COUN 696 - Ethical, Legal and Professional Issues in School Counseling 2 hrs

## Elective Courses: 1 hour

*In consultation with their advisers, students may select elective courses to enhance their professional growth. Courses may be selected from this list or selected from other COUN courses that meet this objective.*

- COUN 515 - Crisis Intervention 3 hrs
- COUN 575 - Substance Abuse Counseling I 2 hrs
- COUN 590 - Special Topics 1 hr
- COUN 591 - Special Topics 2 hrs
- COUN 592 - Special Topics 3 hrs
- COUN 651 - Counseling with Children 3 hrs
- COUN 670 - Postsecondary Planning for School Counselors 3 hrs
- COUN 671 - Advanced Multicultural Counseling 3 hrs

Program Total: 48 hours

## Post Master's Certificate

## Post-Master's Central Office/Superintendent Endorsement Certificate (COA)

Adviser: Jaclynn Tracy, Ph.D.  
304 Porter

734.487.0255

jtracy@emich.edu

[www.emich.edu/coe/lc/docs/admissions/k\\_12\\_school\\_admin\\_cert.pdf](http://www.emich.edu/coe/lc/docs/admissions/k_12_school_admin_cert.pdf)

The State of Michigan K-12 School Administrator Certification is a state-supported post-master's professional development option for prospective and current educators who seek enhanced training in school and/or district leadership, management and instruction. This credential, reinstated by legislative approval, coincides with an ongoing process of Michigan state certification available through post-secondary institutions (including Eastern Michigan University) for the Basic (Initial) Certificate in K-12 Administration (school/assistant principal licensure). The Central Office/Superintendent Endorsement requires the successful completion of the basic (initial) school principal certificate.

The Basic Certificate in K-12 Administration may also be earned as part of the Master's and/or Specialist's Degree Program or as a Post-Master's Certificate in Educational Leadership at Eastern Michigan University. The district level leadership endorsement may be earned as part of the Specialist Degree Program in Educational Leadership at Eastern Michigan University or as a Post-Master's Certificate also.

The Central Office/Superintendent Endorsement Certificate requires 21 hours (minimum) of EMU Educational Leadership Specialist program courses (with an approved master's degree) to be determined with the program adviser, along with the Basic (Initial) Certificate in K-12 Administration (principal/assistant principal licensure).

### **Admission Requirements**

1. Applicants must meet the admission requirements of the Graduate School.
2. Applicants must have completed a master's degree from an accredited University with a minimum GPA of 3.3 on a 4.0 scale.
3. Foreign students must submit scores on the Test of English as a Foreign Language (TOEFL) of 550 (total) or the Michigan English Language Ability Battery (MELAB) of 77.
4. Applicants must submit confidential appraisal forms from two professional supervisors and/or supervising professors that address the quality of the applicant's professional work. Applicants may receive these forms from the department office. Recommendation forms are due with the Application for Graduate Admissions form.
5. Applicants must present evidence of a valid teaching certificate or sign a waiver indicating that they do not seek teacher certification.
6. Applicants must submit a résumé that details their professional and educational experiences.
7. On the graduate application, students must complete the personal statement of accomplishments and academic goals portion describing the reasons for requesting admission. This essay must be a minimum of 250 words and will be reviewed as an indicator of writing ability.

### **Admission Process**

The admission process for the post-master's certificate is as follows:

1. The Office of Admissions will receive and gather all required documents. Completed applications that contain the required GPAs, confidential appraisal forms and the résumé will be forwarded to the coordinator of advising for the educational leadership program.
2. Completed applications will be reviewed by the faculty review committee. Those applications that include acceptable GPAs, the résumé, recommendations, personal statements and confidential appraisal forms will be admitted, assigned an adviser and invited for an advising interview. Applications may be deemed "questionable" due to a combination of low GPA, fair or poor recommendations, poor writing ability and/or statements that are inconsistent with the student's goals as an administrator.

3. These applications will be reviewed by the full faculty, giving special consideration to the student's life experiences, verbal skills, writing skills, educational background, and GPAs.
4. Applicants which are accepted will be notified following the admission decision.
5. All decisions by the faculty regarding admissions are final.

For more information about the program, admissions, etc., contact the department head or visit [www.emich.edu/coe/lc](http://www.emich.edu/coe/lc).

## Required Courses: 21 hours (minimum)

*Minimum 21 credit hours compiled from the following list. Courses must have the approval of the program adviser prior to the beginning of the program.*

- select 800-level EDLD doctoral courses
- EDLD 609 - Team Building and Consensus Decision-Making of Educational Leadership 3 hrs
- EDLD 615 - Collective Negotiations in Education 3 hrs
- EDLD 616 - Educational Facilities Planning 3 hrs
- EDLD 617 - Administering Human Resources in Education 3 hrs
- EDLD 625 - The Superintendency and District Level Leadership 3 hrs
- EDLD 631 - Human Relations Skills for Educational Leaders 3 hrs
- EDLD 660 - Grantwriting 2 hrs
- EDLD 710 - Leadership Theory 3 hrs
- EDLD 714 - Data-Driven Decision Management for Educational Leaders 3 hrs
- EDLD 740 - Advanced Organizational Theory 3 hrs
- EDLD 787 - Internship in Educational Administration 2 hrs
- EDLD 788 - Internship in Educational Administration 3 hrs
- EDLD 789 - Internship in Educational Administration 4 hrs

## Certificate Total: 21 hours (minimum)

## Post-Master's Certificate Program for School Counselor Licensure (SCL)

Adviser: Dibya Choudhuri, Ph.D.  
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The purpose of the Post-Master's Certificate for School Counselor Licensure is to provide a high quality training program designed specifically to assist counselors in gaining the competencies and credentials necessary to earn the School Counselor License in Michigan. To be considered for admission, candidates must provide evidence of each of the following criteria:

1. Applicants must have graduated from a regionally accredited institution of higher education with a master's degree in counseling within the past 15 years. The degree must have included practicum (not field placement).
2. Evidence of academic aptitude for continued graduate-level study as evidenced by a GPA of 3.3 on their previously completed advanced degree.
3. International students must meet one or more of the following additional criteria:

- a. A score of 550 (total) on the Test of English as a Foreign Language (TOEFL), a score of 230 on the Test of Spoken English (TWE) and a rating of 4.0 on the Test of Written English (TWE). (Additional course work in composition may be required.)
  - b. A score of 77 on the Michigan English Language Ability Battery (MELAB) and a rating of at least 3.0 on the oral interview portion of the MELAB. (Additional course work in composition may be required).
4. Statement of intent: a one-page statement focusing on the applicant's motivation and rationale for seeking admission to the program as well as his or her background and goals related to professional studies.
5. Résumé: a focused, one-page summary of program-relevant, educational, career and/or life experiences.
6. A minimum of two (2) years of documented work experience, the majority of which involves working with school-aged children or adolescents (ages 5-18). This experience may consist of paid, professional roles or structured volunteer experiences in organized work settings and should be focused on improving the mental health, behavior, academic success or social skills of the children. Activities such as parenting, babysitting and day care do not qualify.
7. Three recommendations: These must be completed on recommendation forms available from the department. They should be completed by professionals with knowledge of the applicant's suitability for graduate work and suitability to the profession of school counseling (e.g., supervisors, undergraduate professors).

For additional information regarding the licensure please visit the following link:  
[www.emich.edu/coe/lc/docs/admissions/app\\_for\\_llpc\\_license.pdf](http://www.emich.edu/coe/lc/docs/admissions/app_for_llpc_license.pdf)

## Required Courses: 12-30 hours

- COUN 612 - The School Counselor 2 hrs
- COUN 650 - Organization and Administration of School Counseling Services 2 hrs
- COUN 651 - Counseling with Children 3 hrs
- COUN 696 - Ethical, Legal and Professional Issues in School Counseling 2 hrs
- \* COUN 691B - The Counseling Internship 2 hrs
- \* COUN 691C - The Counseling Internship 3 hrs
- \* COUN 691D - The Counseling Internship 4 hrs

## Graduate Prerequisites: 0-9 hours

*If the student has not already completed the following coursework, the following classes must also be taken as part of this post-master's certificate program.*

- COUN 508 - Theories of Counseling 3 hrs
- COUN 571 - Cross-cultural Counseling 3 hrs
- COUN 622 - Diagnosis and Treatment Planning in Counseling 3 hrs

## Undergraduate Prerequisites: 0-9 hours

*If the student has not already completed the following coursework as an undergraduate, the following classes must also be taken within the first 12 hours of this post-master's certificate program. The student may enroll for graduate or undergraduate courses to meet this requirement.*

- Social science elective course to be approved by an adviser, 3 hours
- EDPS 600 - Human Development 3 hrs

Choose one course from the following:

- SOFD 550 - Philosophy, Ethics and Teaching 2 hrs
- SOFD 572 - The History of American Schooling and Literacy 3 hrs

## Elective Courses

*Four hours of elective courses to be chosen in consultation with an adviser.*

Program Total 12-30 hours

## Notes:

*\* For candidates who have already completed a 600-hour internship as part of their previous master's degree, only 300 hours of internship in a school setting will be required.*

*Changes in the student's official program and substitution of courses must be approved by the adviser prior to registration.*

## Post-Master's K-12 Basic School Administration Certificate (BSA)

Adviser: Jaclynn Tracy, Ph.D.  
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The State of Michigan K-12 School Administrator Certification is a state-supported post-master's professional development option for prospective and current educators who seek enhanced training in school and/or district leadership, management and instruction. This credential, reinstated by legislative approval in, coincides with an ongoing process of Michigan state certification available through post-secondary institutions (including Eastern Michigan University) for the Basic (Initial) Certificate in K-12 Administration (school/assistant principal licensure).

The Basic Certificate in K-12 Administration may also be earned as part of the Master's or Specialist's Degree Program in Educational Leadership at Eastern Michigan University.

### Admission Requirements

1. Applicants must meet the admission requirements of the Graduate School.
2. Applicants must have completed a master's degree from an accredited University with a minimum GPA of 3.3 on a 4.0 scale.
3. Foreign students must submit scores on the Test of English as a Foreign Language (TOEFL) of 550 (total) or the Michigan English Language Ability Battery (MELAB) of 77.
4. Applicants must submit confidential appraisal forms from two professional supervisors and/or supervising professors that address the quality of the applicant's professional work. Applicants may receive these forms from the department office. Recommendation forms are due with the Application for Graduate Admissions form.
5. Applicants must submit a résumé that details their professional and educational experiences.

6. On the graduate application, students must complete the personal statement of accomplishments and academic goals portion describing the reasons for requesting admission. This essay must be a minimum of 250 words and will be reviewed as an indicator of writing ability.

### **Admission Process**

The admission process for the post-master's certificate is as follows:

1. The Office of Admissions will receive and gather all required documents. Completed applications that contain the required GPAs, confidential appraisal forms and the résumé will be forwarded to the coordinator of advising for the educational leadership program.
2. Completed applications will be reviewed by the faculty review committee. Those applications that include acceptable GPAs, the résumé, recommendations, personal statements and confidential appraisal forms will be admitted, assigned an adviser and invited for an advising interview. Applications may be deemed "questionable" due to a combination of low GPA, fair or poor recommendations, poor writing ability and/or statements that are inconsistent with the student's goals as an administrator.
3. These applications will be reviewed by the full faculty, giving special consideration to the student's life experiences, verbal skills, writing skills, educational background, and GPAs.
4. Applicants which are accepted will be notified following the admission decision.
5. All decisions by the faculty regarding admissions are final.

For more information about the program, admissions, etc., contact the department head or visit [www.emich.edu/coe/lc](http://www.emich.edu/coe/lc) or [www.emich.edu/coe/lc/docs/admissions/k\\_12\\_school\\_admin\\_cert.pdf](http://www.emich.edu/coe/lc/docs/admissions/k_12_school_admin_cert.pdf).

### **Required Courses: 18 hours (minimum)**

*Minimum of 18 credit hours compiled from the following list. Courses must have program adviser approval prior to the beginning of the program.*

- EDLD 509 - Educational Leadership in a Pluralistic Society 3 hrs
- EDLD 513 - Community Education and Community Relations 3 hrs
- EDLD 514 - Organization and Administration of K-12 Schools 3 hrs
- EDLD 515 - Instructional Leadership 3 hrs
- EDLD 517 - Leadership for School Improvement 3 hrs
- EDLD 612 - Economics of Public Education 3 hrs
- EDLD 617 - Administering Human Resources in Education 3 hrs
- EDLD 620 - The Principalship 3 hrs
- EDLD 630 - Legal, Ethical and Professional Issues of Administration 3 hrs
- EDLD 687 - Master's Internship in Educational Leadership 2 hrs

**Certificate Total: 18 hours (minimum)**

### **Specialist**

### **Specialist of Arts in Educational Leadership (EDL)**

**Adviser:**



*Ella Burton, Ed.D.*  
304 Porter  
734.487.0255  
eburton1@emich.edu

or

*Jaclynn Tracy, Ph.D.*  
Department Head  
304 Porter  
734.487.0255  
jtracy@emich.edu

The Specialist of Arts in Educational Leadership is a Post-Master's program for prospective and practicing educational leaders. The program may either provide advanced administration preparation for P-12 schools and institutions of higher education and/or the course work required by the State of Michigan for the central office endorsement.

Additional course work is required should a student wish to qualify for the building level administration certificate.

### **Admission Requirements**

1. Applicants must meet the admission requirements of the Graduate School.
2. Applicants must have completed a master's degree from an accredited University with a minimum GPA of 3.3 on a 4.0 scale.
3. Foreign students must submit scores on the Test of English as a Foreign Language (TOEFL) of 550 (total) or the Michigan English Language Ability Battery (MELAB) of 77.
4. Applicants must submit confidential appraisal forms from two professional supervisors and/or supervising professors that address the quality of the applicant's professional work. Applicants may receive these forms from the department office. Recommendation forms are due with the Application for Graduate Admissions form.
5. Applicants must present evidence of a valid teaching certificate or sign a waiver indicating that they do not seek teacher certification.
6. Applicants must submit a résumé that details their professional and educational experiences.
7. On the graduate application, students must complete the personal statement of accomplishments and academic goals portion describing the reasons for requesting admission. This essay must be a minimum of 250 words and will be reviewed as an indicator of writing ability.

### **Admission Process**

The admission process for the specialist's degree is as follows:

1. The Office of Admissions will receive and gather all required documents. Completed applications that contain the required GPAs, confidential appraisal forms and the résumé will be forwarded to the coordinator of advising for the educational leadership program.
2. Completed applications will be reviewed by the faculty review committee. Those applications that include acceptable GPAs, the résumé, recommendations, goal statements and confidential appraisal forms will be admitted, assigned an adviser and invited for an advising interview. Applications may be deemed "questionable" due to a combination of low GPA, fair or poor recommendations, poor writing ability and/or statements that are inconsistent with the student's goals as an administrator.
3. These applications will be reviewed by the full faculty, giving special consideration to the student's life experiences, verbal skills, writing skills, educational background, and GPAs.

4. Applicants which are accepted will be notified following admission decisions.
5. All decisions by the faculty regarding admissions are final.

### **Retention Review Requirements**

A retention review will be conducted by the faculty review committee and coordinated by the EDLD coordinator of advising. Students who have not met the following criteria will be identified and asked to meet with their academic advisers. Students must have:

1. A minimum GPA of at least 3.3 in required educational leadership courses; and
2. An overall academic skills assessment of average, or above, in any educational leadership class.

### **Retention Process**

The objective of this retention plan is to assure that students have an opportunity to review the appropriateness of their career choice and to receive assistance in achieving their specialist in arts degree in educational leadership should they choose to continue in the field. The retention review will be conducted by the EDLD coordinator of advising with the faculty review committee.

1. The Leadership Candidate Evaluation form may be completed for any student in any class, if they choose to do so. These forms will be filed in the student's folder.
2. The EDLD coordinator of advising will examine the files of all students who did not achieve the required GPA and recommend review by the faculty review committee.
3. The folders, with the evaluation forms for this group of students, will then be reviewed by the faculty review committee. If the committee agrees that the record of each student indicates performance below graduate or program standards, the student and his or her adviser will be notified in writing.
4. The EDLD coordinator of advising will send a letter to each identified student requesting him or her to meet with his or her adviser to discuss career goals and the need for assistance. If the need for assistance is established, a plan will be developed. For example, if difficulties exist with skill or concept acquisition, the student may be required to audit a class.

### **Culminating Experience**

The culminating experience for the specialist's degree will be the student's field-based research study and presentation of the student's internship experiences as set forth in his or her written log. The culminating experience is typically conducted by the instructor of the intern program and the director of the field-based research study.

### **Field-Based Research**

Field-based research, EDLD 713, is available to specialist degree students winter or summer term only. Students are encouraged to contact the department at least one semester prior to registration for the class to reserve a place in the class.

## **Curriculum**

The specialist's degree program requires a minimum of 32 hours beyond the master's degree. Students work closely with their advisers in developing programs that will prepare them for their career goals.

Candidates for the specialist's degree in educational leadership must satisfactorily complete all work on the program of study and achieve an overall GPA of 3.3 (B+).

The requirements outlined below provide the basic guidelines with in which the student's program is developed.

## **Concentration Area Courses: 18 hours**

- 9 hours in consultation with an adviser.
- EDLD 625 - The Superintendency and District Level Leadership 3 hrs
- EDLD 710 - Leadership Theory 3 hrs
- EDLD 740 - Advanced Organizational Theory 3 hrs

## Applied Research Courses: 8 hours

- EDLD 713 - Field-Based Research 4 hrs
- EDLD 787 - Internship in Educational Administration 2 hrs
- EDLD 789 - Internship in Educational Administration 4 hrs
- EDPS 621 - Statistical Applications in Educational Research 2 hrs

## Cognate Courses: 6 hours

*Six hours selected from either educational leadership or other areas in consultation with the adviser.*

## Program Total: 32 hours

### Notes:

*Additional course work is required if students wish to fulfill the standards for an approved program for the principalship and central office administration certificate for the State of Michigan.*

## Counseling

### **COUN 500 - Professional Educator Development Program**

For in-service professional and personal development. Not applicable to an advanced degree.

**Credit Hours:** 1/2/3 hrs

**Repeatable:** May be repeated for credit.

### **COUN 503 - Dynamics of Life Development**

A study of life transitions and their impact on personal, social and vocational development. Theoretical concepts and recent research findings on adult development will be examined. Exploration of practical program applications for individual and group counseling. This was previously course COUN 631; If a student took it as COUN 631 it does not need to be taken again.

**Credit Hours:** 3 hrs

**Previously Listed as:** COUN 631

**Last Updated:** Links 08/2011

### **COUN 504 - Counseling Research**

This course will focus upon the role of research in the counseling profession. It will address different types of research conducted within the counseling profession and the application of research findings to the practice of counseling. Topics will include needs assessment, program development & evaluation, the use of research to inform evidence based practices in counseling, and

ethical, legal and cultural considerations regarding counseling research. The course will also cover basic statistics, literature searches, the development of literature reviews and APA publication style.

**Credit Hours:** 3 hrs

**Last Updated:** 07/2011

### **COUN 505 - Counselor Development: Basic Skills**

This course is designed to train prospective counselors for competencies in beginning counseling skills and to assess individuals' potential for counseling. Clarification of expectations for entering the counseling profession, examining motives, selecting complementary learning experiences, getting the most out of training and tracing one's beginnings as a helper. Open to majors, nonmajors and seniors with permission.

**Credit Hours:** 3 hrs

### **COUN 508 - Theories of Counseling**

The focus is the rationale, historical development and major constructs of theories that represent foundational approaches to counseling. The applicability of each theory for practice with diverse client populations is studied as well as the ethical and legal implications of practice. Students begin the development and conceptualization of a personal counseling theory.

**Credit Hours:** 3 hrs

### **COUN 515 - Crisis Intervention**

Focus on crisis intervention from theoretical and applied perspectives. Emphasis is on defining the nature of crisis and trauma; on intervention following crisis events and disasters; and on working with clients who are dangerous to self (suicide) or others. Emergency management response systems are also addressed.

**Credit Hours:** 3 hrs

**Prerequisites:** COUN 505 or instructor permission

**Major Restrictions:** Clinical Mental Health Counseling program students only

**Last Updated:** Major Restriction Change 04/2012, effective Fall 2012; Credit Hour Change 07/2011

### **COUN 520 - Assessment in Counseling**

This course is designed to provide a foundation for using assessment procedures in counseling. Emphasis will be given to developing skills in using basic measurement concepts and qualitative and quantitative assessment methods.

**Credit Hours:** 3 hrs

**Prerequisites:** EDPS 667 and EDPS 677

**Major Restrictions:** Clinical Mental Health Counseling program students only

**Last Updated:** Major Restriction Change 04/2012, effective Fall 2012; Links 05/2011

### **COUN 530 - Career Development and Information Services**

This course includes an introduction to the psychology, sociology and economics of work and career-development theory. It also provides the skills needed for identification and organization of information services in counseling and student affairs practice. Students are also introduced to the method and practice of career counseling and student affairs practice.

**Credit Hours:** 3 hrs

**Prerequisites:** COUN 505

**Major Restrictions:** Clinical Mental Health Counseling program students only

**Last Updated:** Major Restriction Change 04/2012, effective Fall 2012; Links 05/2011

## **COUN 540 - Group Process I**

This course will introduce basic group counseling theories and processes. Students will learn to observe and critique the group process. Information will be presented on such topics as the types, rationale, development, leadership and ethics of groups.

**Credit Hours:** 3 hrs

**Prerequisites:** COUN 505, COUN 508 and students must be program admitted

**Major Restrictions:** Clinical Mental Health Counseling program students only

**Last Updated:** Major Restriction Change 04/2012, effective Fall 2012; Links 05/2011

## **COUN 570 - Diagnosing and Treating Depressed Clients in Counseling**

This course will focus on the etiology, assessment and treatment of unipolar depression in counseling. Emphasis will be placed on the application of the DSM-IV diagnostic criteria in assessing for depression and on the use of cognitive-behavioral, interpersonal psychotherapy, and pharmacological treatment interventions.

**Credit Hours:** 2 hrs

**Prerequisites:** COUN 505 or instructor permission

**Major Restrictions:** Clinical Mental Health Counseling, Psychology and Social Work students only

**Last Updated:** Major Restriction Change 04/2012, effective Fall 2012; New Course 04/2012

## **COUN 571 - Cross-cultural Counseling**

Develop an understanding of the influence of culture on intra- and interpersonal behavior, as well as the interpersonal competence and instrumental skills needed to counsel people from multiple and culturally different backgrounds.

**Credit Hours:** 3 hrs

**Prerequisites:** COUN 505

**Major Restrictions:** Clinical Mental Health Counseling program students only

**Last Updated:** Major Restriction Change 04/2012, effective Fall 2012; Links 05/2011

## **COUN 572 - Counseling Parents**

Focus on the significant parent counseling programs and techniques in current use. Provision of opportunities to utilize learned counseling and communication skills in assisting parents to develop effective parenting skills compatible with their cultural, ethnic, religious, interpersonal and social orientations.

**Credit Hours:** 2 hrs

**Prerequisites:** COUN 505 or permission of instructor

**Major Restrictions:** Clinical Mental Health Counseling program students only

**Last Updated:** Major Restriction Change 04/2012, effective Fall 2012; Links 05/2011

## **COUN 573 - Counseling Older Persons**

This course is designed to provide students with information and skills needed by counselors to work with older adults. The focus of this course is on a developmental counseling perspective emphasizing aging — an important aspect of lifespan development. Students will study the methods and strategies needed to assist older adults who face changes, concerns, crisis and adaptations

associated with aging.

**Credit Hours:** 2 hrs

**Prerequisites:** COUN 505 or permission of instructor

**Major Restrictions:** Clinical Mental Health Counseling program students only

**Last Updated:** Major Restriction Change 04/2012, effective Fall 2012; Links 05/2011

## **COUN 574 - Couple and Family Counseling**

This course provides an overview of couple and family counseling. Participants will have an opportunity to learn couple and family counseling skills as well as focus on related principles, practices and processes. Information will be provided on contemporary approaches, ethical considerations and professional issues. Counseling practices for different populations and types of families will be explored. The course will have an experiential learning and discussion format.

**Credit Hours:** 3 hrs

**Prerequisites:** COUN 505 or permission of instructor

**Major Restrictions:** Clinical Mental Health Counseling program students only

**Last Updated:** Major Restriction Change 04/2012, effective Fall 2012; Credit Hour Change 07/2011

## **COUN 575 - Substance Abuse Counseling I**

The course introduces participants to basic knowledge, concepts and counseling methods utilized in the field of chemical dependency. The prospective counselor will acquire a basic foundation for working with clients who are affected by their own, or someone else's, chemical abuse.

**Credit Hours:** 2 hrs

**Prerequisites:** COUN 505

**Major Restrictions:** Clinical Mental Health Counseling program students only

**Last Updated:** Major Restriction Change 04/2012, effective Fall 2012; Links 05/2011

## **COUN 576 - Counseling Survivors of Trauma**

The purpose of this course is to provide students with the basic knowledge and skills to work with clients who have experienced traumatic events. The course will focus on both the assessment of trauma reactions as well as individual and group interventions with children and adults.

**Credit Hours:** 2 hrs

**Prerequisites:** COUN 505

**Major Restrictions:** Clinical Mental Health Counseling program students only

**Last Updated:** Major Restriction Change 04/2012, effective Fall 2012; Links 05/2011

## **COUN 580 - Counselor Development: Counseling Process**

This course is designed to integrate basic skills and to train prospective counselors for the implementation of counseling skills. A major portion of the course focuses on knowledge of the counseling process, stages and practices. Introductory study of contemporary counseling models is provided. Ethical considerations are covered. Counseling practices for specific issues and populations are introduced.

**Credit Hours:** 3 hrs

**Prerequisites:** COUN 505, COUN 508 and students must be program admitted

**Major Restrictions:** Clinical Mental Health Counseling program students only

**Last Updated:** Major Restriction Change 04/2012, effective Fall 2012; Links 05/2011

## **COUN 590 - Special Topics**

Special courses and seminars dealing with contemporary topics and issues in the counseling and student affairs practice field. Designed primarily for graduate students and practitioners in the helping professions. Topics to be selected. (See current schedule.) Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** will be determined on the basis of special topics being offered

## **COUN 591 - Special Topics**

Special courses and seminars dealing with contemporary topics and issues in the counseling and student affairs practice field. Designed primarily for graduate students and practitioners in the helping professions. Topics to be selected. (See current schedule.) Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** will be determined on the basis of special topics being offered

## **COUN 592 - Special Topics**

Special courses and seminars dealing with contemporary topics and issues in the counseling and student affairs practice field. Designed primarily for graduate students and practitioners in the helping professions. Topics to be selected. (See current schedule.) Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** will be determined on the basis of special topics being offered

## **COUN 595 - Workshop**

Workshops dealing with selected areas within the counseling and student affairs practice field such as the self-concept, career education, psychological education and other relevant topics of interest.

**Credit Hours:** 2 hrs

**Major Restrictions:** Open to Counseling and Student Affairs Practice Majors and Graduate students in related fields

## **COUN 597 - Independent Study**

In these classes students have an opportunity to explore topics of interest in an intensive and independent manner. Topics must be selected, and an independent study pursued, with the approval and supervision of a member of the faculty in counseling and student affairs practice.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **COUN 598 - Independent Study**

In these classes students have an opportunity to explore topics of interest in an intensive and independent manner. Topics must be selected, and an independent study pursued, with the approval and supervision of a member of the faculty in counseling and student affairs practice.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **COUN 599 - Independent Study**

In these classes students have an opportunity to explore topics of interest in an intensive and independent manner. Topics must be selected, and an independent study pursued, with the approval and supervision of a member of the faculty in counseling and student affairs practice.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **COUN 612 - The School Counselor**

This course emphasizes the role of the school counselor in the comprehensive developmental counseling program. The focus is on the historical evolution, skills and techniques for working effectively with a diverse population of students, K–12. This includes the development of skills for working with teachers, parents, administrators, referral agencies and other educational teams.

**Credit Hours:** 2 hrs

**Prerequisites:** COUN 505 and COUN 503

**Last Updated:** Links 05/2011

### **COUN 622 - Diagnosis and Treatment Planning in Counseling**

This course provides students with a working knowledge of diagnostic classification systems, specifically the current version of the DSM. Additionally, the course introduces students to skills in selecting and implementing appropriate treatment strategies and in case presentation. Students have opportunities to apply knowledge and skills to client cases.

**Credit Hours:** 3 hrs

**Prerequisites:** COUN 520

**Major Restrictions:** Clinical Mental Health Counseling program students only

**Last Updated:** Major Restriction Change 04/2012, effective Fall 2012; Links 05/2011

### **COUN 623 - Advanced Treatment Planning and Interventions**

Provides grounding in principles and practices of case conceptualization, assessment of mental disorders, and empirically based treatment planning in mental health counseling. Theories and interventions essential to implementing treatment plans will be covered. Using client cases, students have opportunities to apply knowledge and skills in intake assessment, mental status evaluation, developing bio-psychosocial histories, writing treatment plans, and identifying measurable outcomes.

**Credit Hours:** 2 hrs

**Prerequisites:** COUN 580 and COUN 622

**Repeatable:** No

**Last Updated:** New Course 07/2011, effective Fall 2011

### **COUN 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.



**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Major Restrictions:** Clinical Mental Health Counseling program students only

**Terms Offered:** Course is offered on a credit/no-credit basis

**Last Updated:** Major Restriction Change 04/2012, effective Fall 2012

## **COUN 640 - Group Process II**

Advanced opportunity for students to develop further group skills and to expand their awareness of interactions in a group. Assessment of the student's own potential as a group counselor through small group participation.

**Credit Hours:** 2 hrs

**Prerequisites:** COUN 540

**Major Restrictions:** Clinical Mental Health Counseling program students only

**Last Updated:** Major Restriction Change 04/2012, effective Fall 2012; Links 05/2011

## **COUN 650 - Organization and Administration of School Counseling Services**

A study of the philosophy and principles of counseling as implemented into practice. Examination of the organization and administration of the various counseling services and the counseling functions of various school staff members.

**Credit Hours:** 2 hrs

**Prerequisites:** COUN 505

**Last Updated:** Links 05/2011

## **COUN 651 - Counseling with Children**

An investigation of the specialized skills and theoretical frameworks involved in counseling with children. Special emphasis will be placed on the consideration of developmental levels and on the use of play therapy techniques. This course is applicable to counselors wishing to practice in community, private practice and elementary school settings.

**Credit Hours:** 3 hrs

**Prerequisites:** COUN 503

**Major Restrictions:** Clinical Mental Health Counseling program students only

**Last Updated:** Major Restriction Change 04/2012, effective Fall 2012; Links 05/2011

## **COUN 652 - The Counselor as Consultant**

Basic overview for counselors of the theories, process and practices in consultation. Methods of establishing collaborative relationships are described. Individual and group consulting approaches for counselors will be discussed and practiced.

**Credit Hours:** 2 hrs

**Prerequisites:** COUN 505 or permission of instructor

**Major Restrictions:** Clinical Mental Health Counseling program students only

**Last Updated:** Major Restriction Change 04/2012, effective Fall 2012; Links 05/2011

## **COUN 653 - Counseling Adolescents**

An overview of counseling adolescents is provided within this course. Participants will have an opportunity to learn specialized counseling skills for working with adolescents as studied from developmental, sociological, and mental health dimensions, with

special emphasis on wellness and prevention. The course will have an experiential learning and discussion format.

**Credit Hours:** 2 hrs

**Prerequisites:** COUN 505

**Last Updated:** New Course 11/2012, effective Winter 2013

### **COUN 660 - Case Management: Using Community Resources in Counseling**

Identification, analysis and development of the community resources needed by counselors who work in a variety of settings. Focus on skills in identifying, referring and receiving client referrals. Presentations by representative community agencies in class or on-site during class time.

**Credit Hours:** 2 hrs

**Major Restrictions:** Clinical Mental Health Counseling program students only

**Last Updated:** Major Restriction Change 04/2012, effective Fall 2012; Title Change 07/2011

### **COUN 670 - Postsecondary Planning for School Counselors**

This course is designed to prepare school counselors to assist high school students in understanding their post-secondary options and planning their futures. The course will examine a wide range of post-secondary options, including alternate thirteenth years; business, trade or technical programs at career colleges; military training; employment; community colleges; and four year colleges. Emphasis will be placed upon the knowledge and skills necessary for assisting students with college selection and planning.

**Credit Hours:** 3 hrs

**Prerequisites:** COUN 612 or COUN 650

**Major Restrictions:** Graduate students in Counseling or Educational Leadership programs only

**Last Updated:** Links 05/2011

### **COUN 671 - Advanced Multicultural Counseling**

This seminar style course is designed to assist helping professionals in enhancing the knowledge and skill components of multicultural counseling. The course is designed for students who have already obtained a personal awareness of the importance of counselor and client race, ethnicity, gender, socioeconomic class, religion/spirituality, disability and sexual orientation, and the sociopolitical effects of these issues on the counseling process. This course is heavily experiential as there is a fieldwork component where students will practice using cultural competency skills.

**Credit Hours:** 3 hrs

**Prerequisites:** COUN 571

**Major Restrictions:** Clinical Mental Health Counseling program students only

**Last Updated:** Major Restriction Change 04/2012, effective Fall 2012; Links 05/2011

### **COUN 672 - College Exploration Resources and College Application Management for School Counselors**

This course is designed to prepare school counselors to assist high school students in exploring community college and university options, helping students select colleges to which to apply, and to develop a college application management system within the guidance office. Attention to transcripts and recommendation letters will also be included.

**Credit Hours:** 2 hrs

**Prerequisites:** Admission to the College of Education; COUN 670 and (COUN 612 OR COUN 650) or special permission of instructor

**Major Restrictions:** Counseling Majors, School Counselor, Postsecondary Planning Specialist

**Last Updated:** Links 05/2011

## **COUN 673 - Career Development and Educational Planning in Schools**

This course is designed to prepare school counselors to assist high school students in exploring community college and university options, helping students select colleges to which to apply, and to developing a college application management system within the guidance office. Attention to transcripts and recommendation letters will also be included.

**Credit Hours:** 2 hrs

**Prerequisites:** COUN 670 and COUN 530, or Special Permission of Instructor

**Major Restrictions:** School Counseling Only

**Last Updated:** New Course 11/2012, effective Winter 2013

## **COUN 679 - Special Topics**

Special courses and seminars dealing with contemporary topics and issues in the counseling and student affairs practice field. Designed primarily for graduate students and practitioners in the helping professions. Topics to be selected.

**Credit Hours:** 1 hr

**Prerequisites:** will be determined on the basis of special topics being offered

**Major Restrictions:** Clinical Mental Health Counseling program students only

**Notes:** Not more than six hours of special topics may be used on a degree program. (See current schedule.)

**Last Updated:** Major Restriction Change 04/2012, effective Fall 2012

## **COUN 680 - Special Topics**

Special courses and seminars dealing with contemporary topics and issues in the counseling and student affairs practice field. Designed primarily for graduate students and practitioners in the helping professions. Topics to be selected.

**Credit Hours:** 2 hrs

**Prerequisites:** will be determined on the basis of special topics being offered

**Major Restrictions:** Clinical Mental Health Counseling program students only

**Notes:** Not more than six hours of special topics may be used on a degree program. (See current schedule.)

**Last Updated:** Major Restriction Change 04/2012, effective Fall 2012

## **COUN 681 - Special Topics**

Special courses and seminars dealing with contemporary topics and issues in the counseling and student affairs practice field. Designed primarily for graduate students and practitioners in the helping professions. Topics to be selected.

**Credit Hours:** 3 hrs

**Prerequisites:** will be determined on the basis of special topics being offered

**Major Restrictions:** Clinical Mental Health Counseling program students only

**Notes:** Not more than six hours of special topics may be used on a degree program. (See current schedule.)

**Last Updated:** Major Restriction Change 04/2012, effective Fall 2012

## **COUN 683 - Counseling Practicum I**

The purpose of this practicum experience is to provide opportunities for students to work with diverse clients and client situations. It serves as an integrating component in master's degree programs, affording students a structured and supportive

environment in which to apply counseling theories, techniques and skills learned in previous course work. Students also develop skills in observations, feedback, case preparation, interview analysis and reporting as well as become aware of a variety of professional resources and community referral agencies.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Major Restrictions:** Clinical Mental Health Counseling program students only

**Last Updated:** Major Restriction Change 04/2012, effective Fall 2012

## **COUN 684 - Counseling Practicum I**

The purpose of this practicum experience is to provide opportunities for students to work with diverse clients and client situations. It serves as an integrating component in master's degree programs, affording students a structured and supportive environment in which to apply counseling theories, techniques and skills learned in previous course work. Students also develop skills in observations, feedback, case preparation, interview analysis and reporting as well as become aware of a variety of professional resources and community referral agencies.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Major Restrictions:** Clinical Mental Health Counseling program students only

**Last Updated:** Major Restriction Change 04/2012, effective Fall 2012

## **COUN 685 - Counseling Practicum I**

The purpose of this practicum experience is to provide opportunities for students to work with diverse clients and client situations. It serves as an integrating component in master's degree programs, affording students a structured and supportive environment in which to apply counseling theories, techniques and skills learned in previous course work. Students also develop skills in observations, feedback, case preparation, interview analysis and reporting as well as become aware of a variety of professional resources and community referral agencies.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Major Restrictions:** Clinical Mental Health Counseling program students only

**Last Updated:** Major Restriction Change 04/2012, effective Fall 2012

## **COUN 686 - Counseling Practicum I**

The purpose of this practicum experience is to provide opportunities for students to work with diverse clients and client situations. It serves as an integrating component in master's degree programs, affording students a structured and supportive environment in which to apply counseling theories, techniques and skills learned in previous course work. Students also develop skills in observations, feedback, case preparation, interview analysis and reporting as well as become aware of a variety of professional resources and community referral agencies.

**Credit Hours:** 4 hrs

**Prerequisites:** department permission

**Major Restrictions:** Clinical Mental Health Counseling program students only

**Last Updated:** Major Restriction Change 04/2012, effective Fall 2012

## **COUN 687 - Counseling Practicum II**

This advanced course focuses on the theory and practice of group counseling. Students are provided opportunities to facilitate counseling groups under the supervision of a faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** COUN 686 and department permission

**Major Restrictions:** Clinical Mental Health Counseling program students only

**Terms Offered:** Offered on a credit/no-credit basis.

**Last Updated:** Major Restriction Change 04/2012, effective Fall 2012; Links 05/2011

## **COUN 689 - Field-Based Experience I**

This course emphasizes on-the-job experiences under professional supervision that afford the student practical experiences in counseling and student affairs in settings such as colleges, universities, community colleges or other approved settings.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Major Restrictions:** Clinical Mental Health Counseling program students only

**Terms Offered:** Offered on a credit/no-credit basis.

**Last Updated:** Major Restriction Change 04/2012, effective Fall 2012

## **COUN 690 - Field-Based Experience II**

This course emphasizes job experiences under professional supervision that afford the student practical experiences in student affairs in such settings as colleges and universities, community colleges or other approved placement settings.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Major Restrictions:** Clinical Mental Health Counseling program students only

**Last Updated:** Major Restriction Change 04/2012, effective Fall 2012

## **COUN 691A - The Counseling Internship**

An intensive field-based experience for candidates in the master's degree programs in college student personnel services, school counseling, community counseling and the specialist's degree in counseling. Counseling knowledge and advanced competencies are integrated in a setting under professional supervision. Placements are in a variety of community agency, school, college or educational settings. Application for the internship and approval for placement are required prior to registration. 600 hours in the setting are required for the counseling programs.

**Credit Hours:** 1 hr

**Prerequisites:** (COUN 684 or COUN 686) and department permission

**Major Restrictions:** Clinical Mental Health Counseling program students only

**Previously Listed as:** COUN 785

**Terms Offered:** Offered on a credit/no-credit basis.

**Last Updated:** Major Restriction Change 04/2012, effective Fall 2012

## **COUN 691B - The Counseling Internship**

An intensive field-based experience for candidates in the master's degree programs in college student personnel services, school counseling, community counseling and the specialist's degree in counseling. Counseling knowledge and advanced competencies are integrated in a setting under professional supervision. Placements are in a variety of community agency, school, college or educational settings. Application for the internship and approval for placement are required prior to registration. 600 hours in the setting are required for the counseling programs.

**Credit Hours:** 2 hrs

**Prerequisites:** (COUN 684 or COUN 686) and department permission  
**Major Restrictions:** Clinical Mental Health Counseling program students only  
**Previously Listed as:** COUN 786  
**Terms Offered:** Offered on a credit/no-credit basis.  
**Last Updated:** Major Restriction Change 04/2012, effective Fall 2012

### **COUN 691C - The Counseling Internship**

An intensive field-based experience for candidates in the master's degree programs in college student personnel services, school counseling, community counseling and the specialist's degree in counseling. Counseling knowledge and advanced competencies are integrated in a setting under professional supervision. Placements are in a variety of community agency, school, college or educational settings. Application for the internship and approval for placement are required prior to registration. 600 hours in the setting are required for the counseling programs.

**Credit Hours:** 3 hrs  
**Prerequisites:** (COUN 684 or COUN 686) and department permission  
**Major Restrictions:** Clinical Mental Health Counseling program students only  
**Previously Listed as:** COUN 787  
**Terms Offered:** Offered on a credit/no-credit basis.  
**Last Updated:** Major Restriction Change 04/2012, effective Fall 2012

### **COUN 691D - The Counseling Internship**

An intensive field-based experience for candidates in the master's degree programs in college student personnel services, school counseling, community counseling and the specialist's degree in counseling. Counseling knowledge and advanced competencies are integrated in a setting under professional supervision. Placements are in a variety of community agency, school, college or educational settings. Application for the internship and approval for placement are required prior to registration. 600 hours in the setting are required for the counseling programs.

**Credit Hours:** 4 hrs  
**Prerequisites:** (COUN 684 or COUN 686) and department permission  
**Major Restrictions:** Clinical Mental Health Counseling program students only  
**Previously Listed as:** COUN 788  
**Terms Offered:** Offered on a credit/no-credit basis.  
**Last Updated:** Major Restriction Change 04/2012, effective Fall 2012

### **COUN 691E - The Counseling Internship**

An intensive field-based experience for candidates in the master's degree programs in college student personnel services, school counseling, community counseling and the specialist's degree in counseling. Counseling knowledge and advanced competencies are integrated in a setting under professional supervision. Placements are in a variety of community agency, school, college or educational settings. Application for the internship and approval for placement are required prior to registration. 600 hours in the setting are required for the counseling programs.

**Credit Hours:** 6 hrs  
**Prerequisites:** (COUN 684 or COUN 686) and department permission  
**Major Restrictions:** Clinical Mental Health Counseling program students only  
**Previously Listed as:** COUN 789  
**Terms Offered:** Offered on a credit/no-credit basis.  
**Last Updated:** Major Restriction Change 04/2012, effective Fall 2012

### **COUN 692 - Ethical, Legal and Professional Issues in College Counseling**

This course provides opportunities for students to synthesize learning from previous coursework with application to college counseling. Current issues in the field, including ethical and legal considerations, student development theories with an emphasis on diverse student groups, and an action research project will be the focus of this course. Principles of clinical supervision and consultation in college settings will also be addressed.

**Credit Hours:** 3 hrs

**Prerequisites:** COUN 686 or department permission

**Last Updated:** Course Description 07/2011; CR. HR. 07/2011; Links 05/2011

### **COUN 694 - Ethical, Legal and Professional Issues in Clinical Mental Health Counseling**

To work in community settings, counselors must be aware of current issues in the profession. This course provides opportunities to explore ethical and legal issues, mental health counselor identity and relationships with other professionals, credentialing, and managed care. Principles of clinical supervision and mental health consultation will be addressed.

**Credit Hours:** 3 hrs

**Prerequisites:** COUN 686 or department permission

**Last Updated:** Links 05/2011; Title and Credit Hour Change 08/2011, effective Fall 2011

### **COUN 696 - Ethical, Legal and Professional Issues in School Counseling**

This course provides opportunity to synthesize practical experiences in education and previous coursework with an emphasis on professional development as a school counselor. An integration of school counseling theories and models, legal, ethical and current issues, case studies and an action research project will be the focus of the course.

**Credit Hours:** 2 hrs

**Prerequisites:** COUN 686 or department permission

**Last Updated:** Links 05/2011

### **COUN 697 - Independent Study**

In these classes students have an opportunity to explore topics of interest in an intensive and independent manner. Topics must be selected, and an independent study pursued, with the approval and supervision of a member of the faculty in counseling and student affairs practice.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Major Restrictions:** Clinical Mental Health Counseling program students only

**Terms Offered:** Offered on a credit/no-credit basis.

**Last Updated:** Major Restriction Change 04/2012, effective Fall 2012

### **COUN 698 - Independent Study**

In these classes students have an opportunity to explore topics of interest in an intensive and independent manner. Topics must be selected, and an independent study pursued, with the approval and supervision of a member of the faculty in counseling and student affairs practice.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Major Restrictions:** Clinical Mental Health Counseling program students only

**Terms Offered:** Offered on a credit/no-credit basis.

**Last Updated:** Major Restriction Change 04/2012, effective Fall 2012

## **COUN 699 - Independent Study**

In these classes students have an opportunity to explore topics of interest in an intensive and independent manner. Topics must be selected, and an independent study pursued, with the approval and supervision of a member of the faculty in counseling and student affairs practice.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Major Restrictions:** Clinical Mental Health Counseling program students only

**Terms Offered:** Offered on a credit/no-credit basis.

**Last Updated:** Major Restriction Change 04/2012, effective Fall 2012

## **Educational Leadership**

### **EDLD 500 - Professional Educator Development Program**

For in-service professional and personal development.

**Credit Hours:** 1/2/3 hrs

**Notes:** Credits not applicable to an advanced-degree program.

### **EDLD 509 - Educational Leadership in a Pluralistic Society**

Analysis of the educational administration issues presented in culturally pluralistic educational environments. Examination of sociopolitical context of schools, impact of dominant and subordinate groups and leadership challenges involved in striving for school success for all.

**Credit Hours:** 3 hrs

### **EDLD 513 - Community Education and Community Relations**

An exploration of the basic principles and philosophy of community education, its current status and relationship to education and interpretation of the educational institution to a diverse community. Emphasis on promoting public confidence in schools via two-way communication and community involvement in schools.

**Credit Hours:** 3 hrs

### **EDLD 514 - Organization and Administration of K-12 Schools**

Overview of the theories of leadership and organization that shaped the system of American education. Students critically compare the ideas, concepts, issues, broad knowledge and theories about managing, motivating staff, wielding power, leading people, handling conflict, making decisions, working within a bureaucracy and organizing educational institutions to improve learning.

**Credit Hours:** 3 hrs

### **EDLD 515 - Instructional Leadership**

Development of the knowledge, attitudes and skills necessary for administrators as they supervise effective, positive instructional programs; principles and procedures for addressing issues related to professional growth and continuous improvement.



**Credit Hours:** 3 hrs

### **EDLD 517 - Leadership for School Improvement**

An exploration of knowledge and skills to nurture and sustain school improvement processes. Building capacity and support among staff for initiatives, revising and refining school practice, monitoring progress toward established goals and making decisions regarding effectiveness.

**Credit Hours:** 3 hrs

### **EDLD 518 - Multimedia Technology for School Administrators**

An overview of multimedia applications for school administrators. Strategies for leadership, planning, decision making, integration and evaluation of multimedia in schools will be emphasized. Sessions will include lecture and hands-on practice.

**Credit Hours:** 3 hrs

### **EDLD 550 - Introduction to Student Affairs in Higher Education**

This course is designed to provide an introduction to the field of student affairs in higher education. The course provides several introductory elements: an historical overview of student affairs, professional ethics, theoretical approaches to student learning and an introduction to the various functions and activities associated with student affairs. The course is designed to examine student affairs in public and private institutions as well as community colleges.

**Credit Hours:** 3 hrs

### **EDLD 551 - Contemporary College Students**

This course focuses on an examination of the changing undergraduate lifestyle, attitudes, characteristics and demographics of today's college students. In the course the students will examine the effects of higher education, the student as learner and student development theory. Attention is given to both traditional and nontraditional college populations in two- and four-year institutions.

**Credit Hours:** 3 hrs

**Prerequisites:** EDLD 550 or permission of instructor

**Previously Listed as:** COUN 551

**Last Updated:** Prerequisite Change 2008

### **EDLD 552 - Introduction to Academic Advising**

The purpose of the course is to introduce educational leaders to the core components of academic advising. The core components are: foundation, theory, ethics, student diversity, and models for success. This course will be an essential foundation for academic advisors, counselors, and administrators.

**Credit Hours:** 3 hrs

**Prerequisites:** EDLD 550 or EDLD 551

**Major Restrictions:** Academic Advising Certificate

**Last Updated:** Prerequisites and Major Restriction 07/2011; 03/2011

### **EDLD 590 - Special Topics**

Experimental course(s) designed to investigate specific topics of concern in the specialization areas of study in educational leadership. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

### **EDLD 591 - Special Topics**

Experimental course(s) designed to investigate specific topics of concern in the specialization areas of study in educational leadership. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

### **EDLD 592 - Special Topics**

Experimental course(s) designed to investigate specific topics of concern in the specialization areas of study in educational leadership. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

### **EDLD 597 - Independent Study**

An intensive study of a problem under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **EDLD 598 - Independent Study**

An intensive study of a problem under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **EDLD 599 - Independent Study**

An intensive study of a problem under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **EDLD 607 - Colloquium**

Course(s) designed to explore specific leadership topics utilizing distinguished scholars and lecturers.

**Credit Hours:** 2 hrs

### **EDLD 609 - Team Building and Consensus Decision-Making of Educational Leadership**

This course is designed as a skill-building class to help educational leaders increase their effectiveness in working with faculty, staff, school board members and/or community groups in collaborative decision-making.

**Credit Hours:** 3 hrs

### **EDLD 611 - Introduction to Adult and Continuing Education**

A general overview of the topic of adult and continuing education to students for introductory purposes and as a basis for further concentration and study in selected advanced areas of adult education. This course should be a prerequisite for advanced study and includes philosophy; history; identification of adult objectives; knowledge of adult learners; and contemporary status, trends and issues in adult and continuing education.

**Credit Hours:** 3 hrs

### **EDLD 612 - Economics of Public Education**

An examination of the basic economic, fiscal and legal theories of support for education, tax structures, state aid formulas, federal aid and school budgets.

**Credit Hours:** 3 hrs

### **EDLD 613 - Introduction to Higher Education**

An introduction to the study of higher education, including two- and four-year colleges and universities. The course is designed for persons interested in developing an understanding of the background, growth, purposes and practices of higher education in the United States.

**Credit Hours:** 3 hrs

### **EDLD 614 - Law for Higher Education**

An examination of the major legal aspects of the administration of institutions of higher learning.

**Credit Hours:** 3 hrs

### **EDLD 615 - Collective Negotiations in Education**

An analysis of issues that may be encountered by school administrators and teachers in collective negotiations in education.

**Credit Hours:** 3 hrs

### **EDLD 616 - Educational Facilities Planning**

Problems and procedures revealed through a plant-planning chronology that includes hiring the architect, the attorney's role, site acquisition, involving citizens, utilizing staff, the bond issue and designing and constructing the building. Emphasis will be placed on renovating, closing and alternative uses for existing buildings.

**Credit Hours:** 3 hrs

### **EDLD 617 - Administering Human Resources in Education**

Development of an understanding of the issues, problems and practices involved in the administration of personnel programs in education. An in-depth exploration of the basic principles of staff administration and high-level morale. For prospective and practicing administrators.

**Credit Hours:** 3 hrs

**Prerequisites:** six hours in educational leadership

### **EDLD 620 - The Principalship**

The examination of the role of a school principal in: a) improving curriculum and instruction; b) the establishment of effective operations in a school; and c) establishing avenues for change by an awareness of innovations, materials, technologies and research that are relevant for the elementary, middle and high schools.

**Credit Hours:** 3 hrs

**Prerequisites:** six hours in educational leadership

### **EDLD 622 - Organization and Administration of Higher Education**

An understanding of the structure and governance of higher education — two-year and four-year colleges as well as universities — including legal bases, external and internal constraints, functional patterns, administrative staff roles and responsibility, faculty organization and authority, and student participation in organizational structure.

**Credit Hours:** 3 hrs

### **EDLD 625 - The Superintendency and District Level Leadership**

In-depth studies in the practical knowledge and skills required to carry out effectively the responsibilities of district level administration including the role of the public school superintendent.

**Credit Hours:** 3 hrs

### **EDLD 629 - Leadership Perspective in Comparative International Education**

This course is designed to introduce learners to international, comparative, and global education. Critical issues face by educators, policymakers, and citizens in different countries will be examined. Students will attempt to apply theoretical concepts to their practical work. They will develop their global view and awareness about the internationalization of education around the world through in-depth analysis of educational trends in different countries. This class will help student to access available resources and increase possibilities for professional growth through comparative international education conferences, exchanges, publications, and other types of activities.

**Credit Hours:** 3 hrs

**Last Updated:** New Course 11/2012, effective Winter 2013

### **EDLD 630 - Legal, Ethical and Professional Issues of Administration**

Operation of laws; development of legal principles; federal and state relationships to education; authority relationships to education; authority and liability of school boards, administrators and teachers; negligence; discipline and control; professional ethics and related issues.

**Credit Hours:** 3 hrs

## **EDLD 631 - Human Relations Skills for Educational Leaders**

An overview of the need for, and functions of, various human relations in the leadership of educational institutions. Development of an understanding and practice of specific interactive strategies necessary for such leadership.

**Credit Hours:** 3 hrs

## **EDLD 632 - Community College Leadership**

This course provides a historical overview of the development of American Community Colleges. The course focuses on the social forces leading to the community college movement, educational philosophies and multiple institutional missions. The roles and responsibilities of leaders in meeting the needs of diverse student populations will be emphasized. Particular attention will be paid to the organizational structures and processes that shape administrative decision making in educational leadership.

**Credit Hours:** 3 hrs

## **EDLD 633 - History of American Higher Education**

The study of higher education demands the understanding of historical context. The knowledge of history provides an understanding of the shape of present experience. The course will examine historical needs in higher education that have affected students, faculty, staff and trustees in terms of traditions, customs, values and practice.

**Credit Hours:** 3 hrs

## **EDLD 634 - Higher Education Finance**

This course will provide an overview of the economics and financing of postsecondary education in the United States. It will include an introduction to economics theory as applied to institutions of higher learning, financial trends in funding America's colleges and universities, federal investment in higher education, tuition and fee trends, and state policy and budgeting processes. The course will briefly review the basic elements of fiscal management at the institutional level.

**Credit Hours:** 3 hrs

**Last Updated:** 03/2011

## **EDLD 635 - Policy Analysis in Higher Education**

This seminar concentrates on the vital role of public policy in shaping American higher education. The nexus between government and contemporary social and political issues affecting institutions of higher learning will be examined. The course is designed to assist students in gaining greater familiarity with identifying, analyzing and evaluating specific policies.

**Credit Hours:** 3 hrs

## **EDLD 636 - Legal, Ethical and Policy Issues in Student Affairs**

The purpose of this course is to provide an understanding of those legal, ethical and policy issues facing departments in student affairs. To assist in this understanding, an overview of legal and ethical and policy issues as they relate to major functional areas within student affairs.

**Credit Hours:** 2 hrs

**Last Updated:** 03/2011

## **EDLD 638 - Assessment and Program Evaluation in Higher Education**

This course exposes students to diverse approaches to the evaluation of post-secondary educational programs. The class introduces program evaluation standards, the major genres of evaluation, assessment methods, and theoretical as well as applied aspects of evaluative work. Students will garner strategies to measure and evaluate performance for improving program effectiveness.

**Credit Hours:** 3 hrs

**Major Restrictions:** Master of Arts General Higher Education Administration, Higher Education/Student Affairs, EDLD Specialist and Doc Programs, CCL and Academic Advising Certificate

**Last Updated:** New Course 11/2012, effective Winter 2013

## **EDLD 639 - Continuous Enrollment**

Graduate students who are completing research (Master's or Specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **EDLD 655 - College Student Development Theory**

This course teaches education professionals to apply college student development and learning theories in higher education environments. Students will learn how various theories can be intentionally applied to facilitate student development both inside and outside the classroom. Student development theory is unique to higher education environments. Further relevant psychological theories are offered in PSY 640 and PSY 646.

**Credit Hours:** 3 hrs

**Class Restrictions:** Graduate standing

**Last Updated:** Links 05/2011

## **EDLD 660 - Grantwriting**

This course is designed to help students develop and improve their grantwriting and grantsmanship skills and knowledge. The course topics include, but are not limited to, developing a fundable idea, writing a quality proposal and locating sources of funding.

**Credit Hours:** 2 hrs

**Cross-listed with:** EDPS 660

**Last Updated:** Links 05/2011

## **EDLD 679 - Special Topics**

Special experimental offerings of the educational leadership program. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

## **EDLD 680 - Special Topics**

Special experimental offerings of the educational leadership program. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

### **EDLD 681 - Special Topics**

Special experimental offerings of the educational leadership program. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

### **EDLD 682 - Workshop**

Special topics of educational leadership designed to maximize student participation.

**Credit Hours:** 1 hr

**Notes:** Emphasis on the workshop method of teaching and learning. Topics to be selected. (See current schedule.)

### **EDLD 683 - Workshop**

Special topics of educational leadership designed to maximize student participation.

**Credit Hours:** 2 hrs

**Notes:** Emphasis on the workshop method of teaching and learning. Topics to be selected. (See current schedule.)

### **EDLD 684 - Workshop**

Special topics of educational leadership designed to maximize student participation.

**Credit Hours:** 3 hrs

**Notes:** Emphasis on the workshop method of teaching and learning. Topics to be selected. (See current schedule.)

### **EDLD 685 - Workshop**

Special topics of educational leadership designed to maximize student participation.

**Credit Hours:** 4 hrs

**Notes:** Emphasis on the workshop method of teaching and learning. Topics to be selected. (See current schedule.)

### **EDLD 686 - Master's Internship in Educational Leadership**

Training in administration through actual supervised experience. Arrangements must be approved by adviser and director of the intern program prior to registration. Enrollment limited.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Major Restrictions:** Master's in Educational Leadership Majors only

**Terms Offered:** Offered on a credit/no-credit basis.

## **EDLD 687 - Master's Internship in Educational Leadership**

Training in administration through actual supervised experience. Arrangements must be approved by adviser and director of the intern program prior to registration. Enrollment limited.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Major Restrictions:** Master's in Educational Leadership Majors only

**Terms Offered:** Offered on a credit/no-credit basis.

## **EDLD 688 - Master's Internship in Educational Leadership**

Training in administration through actual supervised experience. Arrangements must be approved by adviser and director of the intern program prior to registration. Enrollment limited.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Major Restrictions:** Master's in Educational Leadership Majors only

**Terms Offered:** Offered on a credit/no-credit basis.

## **EDLD 689 - Master's Internship in Educational Leadership**

Training in administration through actual supervised experience. Arrangements must be approved by adviser and director of the intern program prior to registration. Enrollment limited.

**Credit Hours:** 4 hrs

**Prerequisites:** department permission

**Major Restrictions:** Master's in Educational Leadership Majors only

**Terms Offered:** Offered on a credit/no-credit basis.

## **EDLD 690 - Higher Education Internship**

**Credit Hours:** 1 hr

## **EDLD 691 - Higher Education Internship**

**Credit Hours:** 2 hrs

## **EDLD 692 - Higher Education Internship**

**Credit Hours:** 2 hrs

## **EDLD 693 - Higher Education Internship**

**Credit Hours:** 3 hrs

## **EDLD 694 - Seminar in Educational Leadership**

Broad or special topics of educational leadership.



**Credit Hours:** 1 hr

**Notes:** Topics to be selected. (See current schedule.)

### **EDLD 695 - Seminar in Educational Leadership**

Broad or special topics of educational leadership.

**Credit Hours:** 2 hrs

**Notes:** Topics to be selected. (See current schedule.)

### **EDLD 696 - Seminar in Educational Leadership**

Broad or special topics of educational leadership.

**Credit Hours:** 3 hrs

**Notes:** Topics to be selected. (See current schedule.)

### **EDLD 697 - Independent Study**

An intensive study of a problem under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** approval of adviser, 10 hours in educational leadership and department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **EDLD 698 - Independent Study**

An intensive study of a problem under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** approval of adviser, 10 hours in educational leadership and department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **EDLD 699 - Independent Study**

An intensive study of a problem under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** approval of adviser, 10 hours in educational leadership and department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **EDLD 710 - Leadership Theory**

Theories and models of administration and leadership; general theories and research in leader behavior.

**Credit Hours:** 3 hrs

**Prerequisites:** admission to the specialist or doctoral program in educational leadership, or permission of instructor

### **EDLD 712 - Analysis of Research in Administration**

Emphasis on contributions of research in the behavioral sciences to educational leadership. Critical readings of the research of psychologists, sociologists, political scientists and others that have special meaning in understanding such concepts as leadership, organization, power, authority, communication, innovation and decision making.

**Credit Hours:** 3 hrs

**Prerequisites:** six hours in educational leadership and EDPS 621

**Last Updated:** Links 05/2011

### **EDLD 713 - Field-Based Research**

Development and completion of a field- based research study. Offered on a credit/no- credit basis.

**Credit Hours:** 4 hrs

**Prerequisites:** EDPS 621 and ten hours in program, and department permission

**Last Updated:** Links 05/2011

### **EDLD 714 - Data-Driven Decision Management for Educational Leaders**

The decision-making process in educational organizations will be explored from multiple perspectives. This course will focus primarily on understanding existing perspectives on data-driven decision management and applying these perspectives to practical situations in education. This course will only be available to students in the doctor of education in educational leadership program or the specialist of arts in educational leadership program.

**Credit Hours:** 3 hrs

**Prerequisites:** admission to specialist or doctoral program

### **EDLD 740 - Advanced Organizational Theory**

Various theories, approaches and methods of organizing educational institutions. Concern with design, purposes, processes, problems and issues of organizational structuring and change. Examination of organizational environment and informational organization. Open to specialist and doctoral students only.

**Credit Hours:** 3 hrs

**Prerequisites:** Admission to specialist or doctoral program in education leadership.

### **EDLD 767 - Continuous Enrollment**

Graduate students who are completing dissertation research or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion. Course offered on a credit/no-credit basis.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **EDLD 779 - Special Topics**

Intensive study of a topic of current relevancy. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

## **EDLD 780 - Special Topics**

Intensive study of a topic of current relevancy. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

## **EDLD 781 - Special Topics**

Intensive study of a topic of current relevancy. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

## **EDLD 786 - Internship in Educational Administration**

Provision of an opportunity for the graduate student at the specialist's level to develop administrative skills by working under the direction of an experienced administrator. Arrangements must be approved by adviser and director of the intern program prior to registration.

**Credit Hours:** 1 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

## **EDLD 787 - Internship in Educational Administration**

Provision of an opportunity for the graduate student at the specialist's level to develop administrative skills by working under the direction of an experienced administrator. Arrangements must be approved by adviser and director of the intern program prior to registration.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

## **EDLD 788 - Internship in Educational Administration**

Provision of an opportunity for the graduate student at the specialist's level to develop administrative skills by working under the direction of an experienced administrator. Arrangements must be approved by adviser and director of the intern program prior to registration.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

## **EDLD 789 - Internship in Educational Administration**

Provision of an opportunity for the graduate student at the specialist's level to develop administrative skills by working under the direction of an experienced administrator. Arrangements must be approved by adviser and director of the intern program prior to registration.

**Credit Hours:** 4 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **EDLD 790 - Thesis**

Intensive study of a problem or group of problems under the direction of a faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** approval of adviser and departmental requirements for thesis

### **EDLD 791 - Thesis**

Intensive study of a problem or group of problems under the direction of a faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** approval of adviser and departmental requirements for thesis

### **EDLD 792 - Thesis**

Intensive study of a problem or group of problems under the direction of a faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** approval of adviser and departmental requirements for thesis

### **EDLD 794 - Advanced Seminar in Educational Administration**

Intensive study of selected problems in administration and supervision.

**Credit Hours:** 3 hrs

**Prerequisites:** admission to doctoral program in educational leadership

### **EDLD 797 - Independent Study**

Intensive study of a problem under the direction of a faculty member

**Credit Hours:** 1 hr

**Prerequisites:** approval of adviser, 10 hours in educational leadership and department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **EDLD 798 - Independent Study**

Intensive study of a problem under the direction of a faculty member

**Credit Hours:** 2 hrs

**Prerequisites:** approval of adviser, 10 hours in educational leadership and department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **EDLD 799 - Independent Study**

Intensive study of a problem under the direction of a faculty member

**Credit Hours:** 3 hrs

**Prerequisites:** approval of adviser, 10 hours in educational leadership and department permission

**Terms Offered:** Offered on a credit/no-credit basis.

## **EDLD 810 - Ethics and Policy Analysis for Educational Leaders**

Designed to equip students with analytical skills for confronting ethical issues in business, education, research, nursing and government. Mastery of the ethical process — a strategy for making good decisions. Critical thinking about ethical problems in professional settings. Analysis of selected educational and governmental policies from an ethical base using diverse views of professional moral duties as a screening device.

**Credit Hours:** 3 hrs

**Prerequisites:** admission to the doctoral program in educational leadership

## **EDLD 820 - The Politics of Educational Leadership**

This course will examine the exercise of political power in education. It is designed for the educational leader who must deal with the impact of politics on managing and leading educational institutions.

**Credit Hours:** 3 hrs

**Prerequisites:** admission to the doctoral program in educational leadership

## **EDLD 895 - Dissertation Research Seminar**

This seminar is designed for the doctoral student who has identified the topic for his or her dissertation research and will focus on the production and evaluation of proposals for the doctoral dissertation. Offered on a credit/no- credit basis.

**Credit Hours:** 2 hrs

**Prerequisites:** permission of student's academic adviser

## **EDLD 896 - Dissertation Research**

These courses are designed for the doctoral student who is working on his or her dissertation research. Enrollment in the various courses will reflect the student's effort on the dissertation in a given semester.

**Credit Hours:** 1 hrs

**Prerequisites:** admission to candidate status and successful completion of EDLD 895

**Terms Offered:** Offered on a credit/no-credit basis.

**Last Updated:** Links 05/2011

## **EDLD 897 - Dissertation Research**

These courses are designed for the doctoral student who is working on his or her dissertation research. Enrollment in the various courses will reflect the student's effort on the dissertation in a given semester.

**Credit Hours:** 2 hrs

**Prerequisites:** admission to candidate status and successful completion of EDLD 895

**Terms Offered:** Offered on a credit/no-credit basis.

**Last Updated:** Links 05/2011

## **EDLD 898 - Dissertation Research**

These courses are designed for the doctoral student who is working on his or her dissertation research. Enrollment in the various courses will reflect the student's effort on the dissertation in a given semester.

**Credit Hours:** 4 hrs

**Prerequisites:** admission to candidate status and successful completion of EDLD 895

**Terms Offered:** Offered on a credit/no-credit basis.

**Last Updated:** Links 05/2011

## **EDLD 899 - Dissertation Research**

These courses are designed for the doctoral student who is working on his or her dissertation research. Enrollment in the various courses will reflect the student's effort on the dissertation in a given semester.

**Credit Hours:** 8 hrs

**Prerequisites:** admission to candidate status and successful completion of EDLD 895

**Terms Offered:** Offered on a credit/no-credit basis.

**Last Updated:** Links 05/2011

## **EDLD 900 - Dissertation Research**

These courses are designed for the doctoral student who is working on his or her dissertation research. Enrollment in the various courses will reflect the student's effort on the dissertation in a given semester.

**Credit Hours:** 12 hrs

**Prerequisites:** admission to candidate status and successful completion of EDLD 895

**Terms Offered:** Offered on a credit/no-credit basis.

**Last Updated:** Links 05/2011

# Special Education Programs and Courses

## Special Education

### Master's

#### Master of Arts in Autism Spectrum Disorders (ASD)

Adviser: Derrick Fries, Ph.D.

128 Porter

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Students accepted into the graduate program in autism spectrum disorders may elect a teaching endorsement and a master of arts degree. The autism spectrum disorders endorsement is K-12.

#### Model

Eastern Michigan University's advanced professional education programs support inquiry, advocacy and leadership in education for a diverse and democratic society. In addition, the master's-level programs in the Department of Special Education produce professionals with the comprehensive knowledge, skills and attitudes to deliver a continuum of habilitative/rehabilitative services to persons with special needs, and to their families, within a diverse society.

#### Admission Requirements

The graduate student seeking admission to a Master of Arts in Autism Spectrum Disorders in the Department of Special Education is required to:

1. Possess valid Michigan teacher certification;
2. Earned endorsement in Special Education;
3. Submit two letters of recommendation to include: one letter verifying professional competence and one letter from a faculty member or other person knowledgeable of candidate's academic competence;
4. Achieve a cumulative GPA of 3.0 as an undergraduate (including "last-half GPA") or achieve a cumulative undergraduate GPA of 2.5 but less than 3.0 and receive acceptable scores on the Graduation Record Examination (GRE) or achieve a GPA of 3.0 in 6-9 credit hours of relevant graduate level coursework (degree or non-degree) as determined by the Graduate Coordinator;
5. Have a successful personal interview, if requested, with an assigned adviser;
6. Submit a personal statement of purpose, describing why the applicant would like to pursue graduate studies in the area of autism spectrum disorders and how he/she hopes to benefit from these studies; and
7. International students must provide a score of 90 on the Michigan English Language Assessment Battery (MELAB).

#### Program Requirements

The graduate student seeking a Master of Arts degree in Autism Spectrum Disorders through the Department of Special Education must:

1. Successfully complete a minimum of 39 hours of approved graduate credit as outlined on an approved master's degree program that has been planned with a program adviser;

2. Successfully complete an approved master's degree program that has been planned with a special education graduate adviser;
3. Successfully complete a supervised practicum experience;
4. Successfully complete the degree requirements within six years of enrolling for the first class applicable to the degree program; and
5. Meet all other requirements of the Graduate School.

### **Exit Requirements**

Exit criteria include demonstration of acceptable levels of performance in the following areas:

1. Ability to carry out suitable procedures for assessment of listening, thinking, talking, reading, spelling, writing, mathematics or other skill deficiencies;
2. Ability to specify in behavioral terms instructional objectives that are appropriate to the skill needs and entry-level characteristics of the individual student;
3. Ability to set up and maintain conditions and procedures of instruction suitable to the learning goals set for the individual student;
4. Ability to assess instructional outcomes in terms of the student's behavior change and use this data in the formulation of an ongoing instructional plan adjusted to changed student conditions;
5. Ability to use appropriate techniques with the student to help develop the self-management skills required for constructive social participation and independent learning; and
6. Ability to function as a member of interdisciplinary teams and maintain effective liaison with parents and others working with the student.

Acceptable levels will be determined by course grades, GPA, practicum evaluations and performance in research courses.

## **Required Courses: 39 hours**

### **Core Courses: 12 hours**

- SPGN 615 - Social Psychology of Disability: Family, School, and Society 3 hrs
- SPGN 621 - Law and Public Policy for Individuals with Disabilities 3 hrs
- SPGN 632 - Models and Skills for Special and General Education Collaboration 2 hrs
- SPLI 678 - Assessment and Advanced Diagnostic Prescriptive Programming for Students with Learning Disabilities 4 hrs

### **Methodology Courses: 6 hours**

- SPAI 645 - Curriculum and Instructional Strategies in ASD 3 hrs
- SPAI 650 - Visual Supports and Literacy in ASD 3 hrs

### **Research Courses: 9 hours**

- SPAI 630 - Issues in Assessment and Interventions in Autism Spectrum Disorders (ASD) 3 hrs



- SPAI 640 - Principles of Positive Behavioral Supports (PBS) for Students with ASD in Universal Design for Learning (UDL) 3 hrs
- SPGN 699 - Independent Study 3 hrs

## Concentration Courses: 12 hours

- SPAI 620 - Dimensions of Autism Spectrum Disorders (ASD) 3 hrs
- SPAI 635 - Language and Communication in Autism Spectrum Disorders (ASD) 3 hrs
- SPAI 660 - ASD and the Sensory Process 2 hrs
- SPGN 586 - Practicum in Special Education 4 hrs

## Program Total: 39 hours

## Master of Arts in Learning Disabilities (LD)

Adviser (Students Last Names A-L): Loreena Parks, Ph.D.  
 128 Porter  
 734.487.3300  
 lparks1@emich.edu

Adviser (Students Last Names M-Z): Karen Schulte, Ph.D.  
 128 Porter  
 734.487.3300  
 kschulte@emich.edu

Students accepted into the graduate program in learning disabilities may elect a teaching endorsement in learning disabilities **or** a dual endorsement in learning disabilities and cognitive or emotional impairment, and a master of arts degree. The learning disability endorsement is K-12.

### Model

Eastern Michigan University's advanced professional education programs support inquiry, advocacy and leadership in education for a diverse and democratic society. In addition, the master's-level programs in the Department of Special Education produce professionals with the comprehensive knowledge, skills and attitudes to deliver a continuum of habilitative/rehabilitative services to persons with special needs, and to their families, within a diverse society.

### Admission Requirements

The graduate student seeking admission to the master of arts in learning disabilities program in the Department of Special Education is required to:

1. Possess valid Michigan teacher certification;
2. Submit two letters of recommendation to include one letter verifying professional competence and one letter from a faculty member or other person knowledgeable of candidate's academic competence;
3. Achieve a cumulative GPA of 2.7 as an undergraduate (including "last-half GPA") or 3.0 in graduate level coursework (degree or non-degree) or receive acceptable scores on the Graduate Record Examination (GRE).
4. Have a successful personal interview, if requested, with an assigned adviser;
5. Submit a personal statement of purpose, describing why the applicant would like to pursue graduate studies in the area of learning disabilities and how he/she hopes to benefit from these studies; and

6. In the case of International students, provide a score of 90 on the Michigan English Language Assessment Battery (MELAB).

### **Program Requirements**

The graduate student seeking a master of arts degree in learning disabilities through the Department of Special Education must:

1. Successfully complete an approved master's degree program that has been planned with a special education graduate adviser;
2. Successfully complete a competency examination at 90 percent or better.
3. Have on file with an adviser two evaluations of teaching effectiveness/professional competence. These evaluations are to be completed by supervisors/administrators in public or private schools at the conclusion of the internship experience;
4. Successfully complete a supervised practicum experience;
5. Successfully complete the degree requirements within six years of enrolling for the first class applicable to the degree program; and
6. Meet all other requirements of the Graduate School.

### **Exit Requirements**

Exit criteria include demonstration of acceptable levels of performance in the following areas:

1. Ability to carry out suitable procedures for assessment of listening, thinking, talking, reading, spelling, writing, mathematics or other skill deficiencies;
2. Ability to specify in behavioral terms instructional objectives that are appropriate to the skill needs and entry-level characteristics of an individual student;
3. Ability to set up and maintain conditions and procedures of instruction suitable to the learning goals set for the individual student;
4. Ability to assess instructional outcomes in terms of the student's behavior change and use this data in the formulation of an on-going instructional plan adjusted to changed student conditions;
5. Ability to use appropriate techniques with the student to help develop the self-management skills required for constructive social participation and independent learning; and
6. Ability to function as a member of interdisciplinary teams and maintain effective liaison with parents and others working with the student.

Acceptable levels will be determined by course grades, GPA, competency examination, practicum evaluations and performance in research colloquium, including production at the end of practicum of a comprehensive written document which demonstrates the understanding, synthesis of knowledge and the practical applications of diagnostic-prescriptive planning for K-12 students with disabilities. This product is considered a culminating activity for the degree program.

## **Track A:**

Graduate students who have earned a teaching certificate and an initial endorsement in an area of special education will be required to meet current admission standards, which include:

- Achieve a cumulative GPA of 2.7 as an undergraduate (including "last-half GPA") or 3.0 in graduate level coursework (degree or non-degree) or receive acceptable scores on the Graduate Record Examination (GRE);

- A 2.5 undergraduate GPA;
- A valid Michigan teaching certificate;
- An endorsement in an area of Special Education;
- Two letters of recommendation;
- A personal statement of purpose; and
- Other Office of Graduate Studies and Research requirements as outlined in the catalog.

Upon completion of the program, a student in this track will have earned an M.A. degree and an endorsement in Learning Disabilities.

Course work for students in Track A consists of a minimum of 37 hours of core courses, methods courses, learning disability-specific courses and electives.

### Core Courses: 11 hours

- SPGN 525 - Classroom Management and the Development of Social Competence in Students with Special Needs 2 hrs
- SPGN 621 - Law and Public Policy for Individuals with Disabilities 3 hrs
- SPGN 632 - Models and Skills for Special and General Education Collaboration 2 hrs
- SPLI 678 - Assessment and Advanced Diagnostic Prescriptive Programming for Students with Learning Disabilities 4 hrs

### Methods Courses: 6 hours

- SPGN 630 - Integrated Curriculum in Special Education: Math and Motor Skills Development 3 hrs
- SPLI 672 - Integrated Curriculum in Special Education: Linguistics and Language Arts 3 hrs

### Learning Disability Concentration: 6 hours

- \* SPLI 468 - Education of Children with Learning Disabilities 2 hrs
- SPLI 693 - Learning Disabilities Practicum 4 hrs

### Research: 5 hours

- EDPS 667 - Principles of Educational Research 3 hrs
- SPLI 712 - Research Colloquium: Learning Disabilities 2 hrs

### Electives: 9 hours

- *Graduate courses approved by assigned adviser*

**Program Total: Minimum of 37 hours**

### Track B

Graduate students with a teaching certificate, but no special education endorsement, will be admissible to the learning disabilities program if they meet the same requirements for admission as delineated in Track A, with the exception of the requirement for an initial endorsement in a special education area.

Upon completion of the program, students in this track will have earned a M.A. degree and an endorsement in Learning Disabilities.

Coursework for students in Track B consists of 12 hours of endorsement, plus 28 hours of core courses, methods area and research and learning disability courses. The total number of hours required for the degree is approximately 38. However, it varies from student to student.

## Core Courses: 11 hours

- SPGN 525 - Classroom Management and the Development of Social Competence in Students with Special Needs 2 hrs
- SPGN 621 - Law and Public Policy for Individuals with Disabilities 3 hrs
- SPGN 632 - Models and Skills for Special and General Education Collaboration 2 hrs
- SPLI 678 - Assessment and Advanced Diagnostic Prescriptive Programming for Students with Learning Disabilities 4 hrs

## Methods Courses: 6 hours

- SPGN 630 - Integrated Curriculum in Special Education: Math and Motor Skills Development 3 hrs
- SPLI 672 - Integrated Curriculum in Special Education: Linguistics and Language Arts 3 hrs

## Learning Disability Concentration: 6 hours

- \* SPLI 468 - Education of Children with Learning Disabilities 2 hrs
- SPLI 693 - Learning Disabilities Practicum 4 hrs

## Research: 5 hours

- EDPS 667 - Principles of Educational Research 3 hrs
- SPLI 712 - Research Colloquium: Learning Disabilities 2 hrs

## Endorsement: 12 hours

- \*\* SPGN 461 - Classroom Management and Intervention Strategies for Students with Disabilities 3 hrs
- \* SPGN 481 - Assistive and Instructional Technology in Special Education 3 hrs
- SPGN 510 - Introduction to Inclusive Education and Disability Studies 3 hrs
- SPGN 615 - Social Psychology of Disability: Family, School, and Society 3 hrs

## Program Total: Minimum of 37 hours

## Notes:

\* Must be taken for graduate credit.

\*\* The credit hours earned taking this course will show up on the student transcript; however, since this is a prerequisite for one of the required graduate courses these credits will not be included in the required hours needed to complete this program.

## Dual Endorsement Track

Graduate students who have earned a teaching certificate and an initial endorsement in the area of special education will be admissible to the learning disabilities program Dual Endorsement Track if they meet the same requirements for admission as delineated in Track A.

Upon completion of the program, students in this track will have earned a M.A. degree and an endorsement in Learning Disabilities and either Cognitive Impairment or Emotional Impairment. This program must be completed in its entirety (both Learning Disabilities and Cognitive/Emotional Impairment endorsements); if only one endorsement is desired, the student must follow the single endorsement program of study.

Coursework for students in the Dual Endorsement Track consists of a minimum of 41 hours (Learning Disabilities and Emotional Impairment endorsements) or 45 hours (Learning Disabilities and Cognitive Impairment endorsements); total hours required for the degree varies from student to student. Possible deficiency courses will be determined by adviser.

## Dual Endorsement: Learning Disabilities and Emotional Impairment

### Required Courses: 41 hours

- EDPS 667 - Principles of Educational Research 3 hrs
- SPEI 401L - Programming, Methods and Curriculum for Elementary Students with Emotional Impairment 4 hrs
- SPEI 510 - Theories of Emotional-Behavioral Impairments 4 hrs
- SPGN 525 - Classroom Management and the Development of Social Competence in Students with Special Needs 2 hrs
- SPGN 586 - Practicum in Special Education 4 hrs
- SPGN 621 - Law and Public Policy for Individuals with Disabilities 3 hrs
- SPGN 630 - Integrated Curriculum in Special Education: Math and Motor Skills Development 3 hrs
- SPGN 632 - Models and Skills for Special and General Education Collaboration 2 hrs
- SPGN 694 - Seminar: Interdisciplinary Special Education 3 hrs
- SPLI 672 - Integrated Curriculum in Special Education: Linguistics and Language Arts 3 hrs
- SPLI 678 - Assessment and Advanced Diagnostic Prescriptive Programming for Students with Learning Disabilities 4 hrs
- SPLI 693 - Learning Disabilities Practicum 4 hrs
- SPLI 712 - Research Colloquium: Learning Disabilities 2 hrs

### Program Total: Minimum of 41 hours

### Possible Deficiency Courses

- SPGN 461 - Classroom Management and Intervention Strategies for Students with Disabilities 3 hrs
- SPGN 471 - Curriculum and Transitions for Secondary Special Education 3 hrs
- SPGN 481 - Assistive and Instructional Technology in Special Education 3 hrs
- SPGN 510 - Introduction to Inclusive Education and Disability Studies 3 hrs
- SPGN 615 - Social Psychology of Disability: Family, School, and Society 3 hrs
- SPLI 468 - Education of Children with Learning Disabilities 2 hrs

## Dual Endorsement: Learning Disabilities and Cognitive Impairment

### Required Courses: 45 hours

- EDPS 667 - Principles of Educational Research 3 hrs
- SPCI 429 - Education for Teachers of Individuals with Mild Cognitive Impairment in Inclusive Settings 4 hrs
- SPCI 483 - Education of Students in Programs for Moderate or Severe Cognitive Impairment 4 hrs
- SPCI 557 - Cognitive Impairment Theory 4 hrs
- SPGN 525 - Classroom Management and the Development of Social Competence in Students with Special Needs 2 hrs
- SPGN 586 - Practicum in Special Education 4 hrs
- SPGN 621 - Law and Public Policy for Individuals with Disabilities 3 hrs
- SPGN 630 - Integrated Curriculum in Special Education: Math and Motor Skills Development 3 hrs
- SPGN 632 - Models and Skills for Special and General Education Collaboration 2 hrs
- SPGN 694 - Seminar: Interdisciplinary Special Education 3 hrs
- SPLI 672 - Integrated Curriculum in Special Education: Linguistics and Language Arts 3 hrs
- SPLI 678 - Assessment and Advanced Diagnostic Prescriptive Programming for Students with Learning Disabilities 4 hrs
- SPLI 693 - Learning Disabilities Practicum 4 hrs
- SPLI 712 - Research Colloquium: Learning Disabilities 2 hrs

### Program Total: Minimum of 45 hours

### Possible Deficiency Courses

- PHED 578 - Motor Development and Learning 3 hrs
- SPGN 461 - Classroom Management and Intervention Strategies for Students with Disabilities 3 hrs
- SPGN 471 - Curriculum and Transitions for Secondary Special Education 3 hrs
- SPGN 481 - Assistive and Instructional Technology in Special Education 3 hrs
- SPGN 510 - Introduction to Inclusive Education and Disability Studies 3 hrs
- SPGN 615 - Social Psychology of Disability: Family, School, and Society 3 hrs
- SPLI 468 - Education of Children with Learning Disabilities 2 hrs

## Undergraduate Courses for Graduate Credit: Special Education

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- SPCI 429 - Education for Teachers of Individuals with Mild Cognitive Impairment in Inclusive Settings 4 hrs
- SPCI 483 - Education of Students in Programs for Moderate or Severe Cognitive Impairment 4 hrs
- SPEI 401L - Programming, Methods and Curriculum for Elementary Students with Emotional Impairment 4 hrs
- SPGN 401 - International Teaching I (NEW COURSE) 6 hrs
- SPGN 402 - International Teaching II (NEW COURSE) 6 hrs
- SPGN 461 - Classroom Management and Intervention Strategies for Students with Disabilities 3 hrs
- SPGN 471 - Curriculum and Transitions for Secondary Special Education 3 hrs

- SPGN 481 - Assistive and Instructional Technology in Special Education 3 hrs
- SPGN 491 - Special Education Student Teaching and Seminar 12 hrs
- SPHI 436 - Speech Methods for Students with Hearing Impairment 3 hrs
- SPHI 437 - Adaptive Curriculum for Students with Hearing Impairment 3 hrs
- SPLI 468 - Education of Children with Learning Disabilities 2 hrs
- SPPI 412 - Ancillary Services and Health Procedures for Teachers of Physically Impaired 2 hrs
- SPPI 414 - Educational Strategies for Teachers of the Physically Impaired 4 hrs
- SPVI 464 - Methods of Teaching Children who are Blind 3 hrs
- SPVI 465 - Braille II: Nemeth Code 3 hrs
- SPVI 467 - Education of Children with Visual Impairment 2 hrs
- SPVI 469 - Technology for Persons with Visual Impairment 2 hrs

## Master of Arts in Special Education (SP)

Adviser: Steven Camron, J.D.

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The Department of Special Education offers a Master of Arts Degree that encompasses the range and depth required to accommodate contemporary programs and service delivery systems. The program is designed to allow maximum flexibility in meeting the needs of individual students while maintaining the basic academic integrity implicit in a graduate program.

### Model

Eastern Michigan University's advanced professional education programs develop leaders who demonstrate reflective thought and scholarship within the context of a culturally diverse society. In addition, the master's-level programs in the Department of Special Education produce professionals with the comprehensive knowledge, skills and attitudes to deliver a continuum of habilitative/rehabilitative services to persons with special needs, and to their families, within a diverse society.

### Admission Requirements

The graduate student seeking admission to the Master of Arts degree program in the Special Education Department is required to:

1. Meet the Graduate School admission requirements;
2. Present a valid teaching certificate. Students who do not have a teaching certificate must complete requirements as outlined in the SEM-T program.
3. Achieve a cumulative GPA of 3.0 as an undergraduate (including "last-half GPA") or achieve a cumulative undergraduate GPA of 2.5 but less than 3.0 and receive acceptable scores on the Graduation Record Examination (GRE) or achieve a GPA of 3.0 in 6-9 credit hours of relevant graduate level coursework (degree or non-degree) as determined by the Graduate Coordinator;
4. Submit two outside letters of recommendation regarding professional competence for admission to the program;
5. Be recommended for acceptance by a faculty member (this may involve a personal interview); and
6. In the case of international students, provide a score of 90 on the Michigan English Language Assessment Battery (MELAB).
7. Personal statement from the applicant;
8. MTTC Basic Skills Test

Admissions and program requirements for Master of Arts programs in Autism Spectrum Disorders, Learning Disabilities and Speech-Language Pathology are described separately.

### **Program Requirements**

The graduate student seeking a Master of Arts degree through the Department of Special Education must:

1. Complete a minimum of 33 to 37 hours of approved graduate credit with a minimum 3.0 GPA;
2. Complete an approved master's degree program that has been planned with a special education graduate adviser;
3. Complete the degree requirements within six years of enrolling for the first course applicable to the degree program;
4. Receive a recommendation from the area faculty committee for continuance in the program. This is done upon completion of 12 to 15 hours of courses, and before the internship/practicum. The committee will consider GPA, faculty recommendations, demonstrated competence in academic and professional work, and rate of progress in the program.
5. Meet all other requirements of the Graduate School.

### **Exit Criteria**

Exit criteria involve achievement of the objectives for graduate study in special education listed previously, as demonstrated by:

1. Successful completion of all course work on program (minimum GPA of 3.0);
2. Successful completion of required practica/internship; and
3. Successful completion of thesis, if pursuing the thesis option, or other culminating experience, which may include but not be limited to comprehensive oral or written examination, portfolio or other product, performance or exhibit.

## **Special Education Graduate Core Courses: 11 Hours**

- SPGN 525 - Classroom Management and the Development of Social Competence in Students with Special Needs 2 hrs
- SPGN 621 - Law and Public Policy for Individuals with Disabilities 3 hrs
- SPGN 632 - Models and Skills for Special and General Education Collaboration 2 hrs
- SPLI 678 - Assessment and Advanced Diagnostic Prescriptive Programming for Students with Learning Disabilities 4 hrs

## **Methods Courses: 6 hours**

- SPGN 630 - Integrated Curriculum in Special Education: Math and Motor Skills Development 3 hrs
- SPLI 672 - Integrated Curriculum in Special Education: Linguistics and Language Arts 3 hrs

## **Research: 8-9 hours**

*Select from either Option I or Option II:*

### **Option I: Independent Study:**

- EDPS 667 - Principles of Educational Research 3 hrs
- SPGN 699 - Independent Study 3 hrs



One course from the following:

- SPEI 694 - Seminar: Students with Emotional Impairment 3 hrs
- SPGN 694 - Seminar: Interdisciplinary Special Education 3 hrs

Option II: Thesis option

- SPGN 692 - Master's Thesis 3 hrs

One course from the following:

- EDPS 621 - Statistical Applications in Educational Research 2 hrs
- EDPS 667 - Principles of Educational Research 3 hrs
- PSY 600 - Psychological Statistics I 3 hrs

One course from the following:

- SPEI 694 - Seminar: Students with Emotional Impairment 3 hrs
- SPGN 694 - Seminar: Interdisciplinary Special Education 3 hrs

Concentration: 8-11 hours

Program Total: 33-37 hours

Students choosing to complete an **independent study** as part of the master of arts program must complete EDPS 667 - Principles of Educational Research, SPGN 699 - Independent Study and SPEI/SPGN 694 - Seminar: Interdisciplinary Special Education. Students may elect to write a thesis as part of the master of arts program. If pursuing the **thesis option**, students must complete SPGN/SPEI 694 - Seminar: Students with Emotional Impairment and SPGN 692 - Master's Thesis. Additionally, students must complete cognates EDPS 667 - Principles of Educational Research, PSY 600 - Psychological Statistics I, or EDPS 621 - Statistical Applications in Educational Research.

Programs within the Department of Special Education include Emotional Impairment, Cognitive Impairment, Physical Impairment and other Health Impairment, Visual Impairment, Hearing Impairment and General Special Education (this last program does not result in any special education endorsement from the State of Michigan). If endorsement in any area of special education is being sought, the appropriate endorsement sequence must be completed.

## Undergraduate Courses for Graduate Credit: Special Education

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- SPCI 429 - Education for Teachers of Individuals with Mild Cognitive Impairment in Inclusive Settings 4 hrs
- SPCI 483 - Education of Students in Programs for Moderate or Severe Cognitive Impairment 4 hrs
- SPEI 401L - Programming, Methods and Curriculum for Elementary Students with Emotional Impairment 4 hrs
- SPGN 401 - International Teaching I (NEW COURSE) 6 hrs

- SPGN 402 - International Teaching II (NEW COURSE) 6 hrs
- SPGN 461 - Classroom Management and Intervention Strategies for Students with Disabilities 3 hrs
- SPGN 471 - Curriculum and Transitions for Secondary Special Education 3 hrs
- SPGN 481 - Assistive and Instructional Technology in Special Education 3 hrs
- SPGN 491 - Special Education Student Teaching and Seminar 12 hrs
- SPHI 436 - Speech Methods for Students with Hearing Impairment 3 hrs
- SPHI 437 - Adaptive Curriculum for Students with Hearing Impairment 3 hrs
- SPLI 468 - Education of Children with Learning Disabilities 2 hrs
- SPPI 412 - Ancillary Services and Health Procedures for Teachers of Physically Impaired 2 hrs
- SPPI 414 - Educational Strategies for Teachers of the Physically Impaired 4 hrs
- SPVI 464 - Methods of Teaching Children who are Blind 3 hrs
- SPVI 465 - Braille II: Nemeth Code 3 hrs
- SPVI 467 - Education of Children with Visual Impairment 2 hrs
- SPVI 469 - Technology for Persons with Visual Impairment 2 hrs

## Master of Arts in Speech-Language Pathology (SPLP)

### Adviser (By Assignment):

Adviser: Willie Cupples, Ph.D. 128 Porter 734.487.3300 wcupples@emich.edu	Adviser: Ana Claudia Harten, Ph.D. 128 Porter 734.487.3300 aharten@emich.edu
Adviser: Sarah Ginsberg, Ph.D. 128 Porter 734.487.3300 sginsberg@emich.edu	Adviser: Lizbeth Stevens, Ph.D. 128 Porter 734.487.3300 lstevens@emich.edu

Students who enter the graduate program in Speech-Language Pathology are trained to work in a variety of settings with children and adults. Students seeking Teacher Certification in addition to the Master's degree should see a graduate adviser for additional teacher certification requirements. Those who do not have undergraduate degrees in Speech-Language Pathology must complete the undergraduate deficiencies. Students must consult a graduate adviser in Speech-Language pathology before enrolling in major courses. Admission to this program is competitive.

### Model

Eastern Michigan University's advanced professional education programs develop leaders who demonstrate reflective thought and scholarship within the context of a diverse society. In addition, the master's-level programs in the Department of Special Education produce professionals with the comprehensive knowledge, skills and attitudes to deliver a continuum of habilitative/rehabilitative services to persons with special needs, and to their families, within a diverse society.

### Master's Degree Program

#### Admission Requirements

1. Students must have taken the GRE.
2. Students must submit a Personal Statement.
3. Students must submit two letters of recommendation.

4. Students must complete an on-line application which requires (a) a personal statement and (b) the “Disciplinary Form” at [www.emich.edu/admissions/forms\\_library/general\\_all\\_students/disciplinary.pdf](http://www.emich.edu/admissions/forms_library/general_all_students/disciplinary.pdf). This is a requirement of the College of Education and should be completed even if the student is not seeking teaching endorsement.

International students applying to the speech-language pathology master's program must also: submit acceptable scores on the Test of English as a Foreign Language (TOEFL iBT) and/or the International English Language Testing System (IELTS) demonstrating adequate English proficiency. Contact the speech-language pathology program coordinator for current score requirements or visit the program web site at [www.emich.edu/coe/sped/slp/](http://www.emich.edu/coe/sped/slp/).

### **Program Requirements**

The program requirements for attaining a master’s degree in Speech-Language Pathology differ in some aspects from those of the Graduate School in that:

1. Only six hours of graduate transfer credit will be accepted;
2. All candidates must meet the clinical and academic requirements for certification of the American Speech-Language-Hearing Association (ASHA) prior to receiving their degrees;
3. All candidates must complete a minimum of 60 hours of approved graduate credit. Only 6 hours of transfer credit may be counted toward the 60 hours, with adviser approval;
4. All candidates must pass major courses with a grade of B- or better and clinical courses with a B or better;
5. All candidates must be recommended by the Speech-Language Pathology faculty for continuance in the program. This is to be done upon completion of 12-15 hours of course work in the program. The committee will consider GPA, faculty recommendations and demonstrated competence in academic and clinical work. Students must demonstrate behaviors that indicate stability, maturity, understanding and aptitude as judged necessary for predicted success as a speech-language pathologist.

### **Exit Criteria**

To be eligible for graduation and receipt of the Master’s degree, the student must:

1. Complete a capstone experience in SPSI 694 - Professional Issues in Speech-Language Pathology in their last semester in the program;
2. Complete required course work, clinical practica and internships as described;
3. Submit a completed ASHA application to the adviser; and
4. Submit copies of all clinical practica logs to the adviser.

### **Endorsement Program**

#### **Admission Requirements**

1. The student applying for an endorsement in specific special education areas must meet the admissions requirements specified under the Master of Arts degree;
2. Student must submit documentation of passing scores on the Michigan Test of Teacher Certification (MTTC-Basic Skills); and
3. Students must be admitted to the Department of Special Education prior to taking 400- and graduate-level requirements.

## **Curriculum**

The following courses are offered to students for completion of the master's degree program and are considered to be a standard program of study. Students who transfer from other universities should consult their academic adviser concerning equivalencies.

## Required Courses in Speech-Language Pathology: 60-61 hours

- SPSI 508 - Multicultural Issues in Intervention for Communication Disorders 2 hrs
- SPSI 516 - Introduction to Research in Speech-Language Pathology 3 hrs
- SPSI 528 - Clinical Practice in Speech-Language Pathology I 3 hrs
- SPSI 538 - Clinical Practicum in Speech-Language Pathology II 3 hrs
- SPSI 540 - Articulation and Phonological Impairments 3 hrs
- SPSI 543 - Clinical Methods in Speech-Language Pathology 3 hrs
- SPSI 552 - Voice 3 hrs
- SPSI 554 - Fluency Disorders 3 hrs
- SPSI 555 - Neuroanatomy and Physiology for the Speech-Language Pathologist 2 hrs
- SPSI 568 - Diagnostic Methods: Assessment of Speech and Language Disorders in Children 3 hrs
- SPSI 578 - Diagnosis and Treatment of Audiometric Disorders 3 hrs
- SPSI 607 - Early Intervention for Speech and Language Impaired Children 3 hrs
- SPSI 612 - Motor Speech Disorders 2 hrs
- SPSI 614 - Aphasia 3 hrs
- SPSI 618 - Language Disorders in School-Age Children 3 hrs
- SPSI 620 - Consulting and Interviewing in Speech Pathology 2 hrs
- SPSI 622 - Augmentative Communication 3 hrs
- SPSI 624 - Acquired Neurogenic Cognitive-Communication Disorders 3 hrs
- SPSI 625 - Dysphagia 2 hrs
- \* SPSI 687 - Clinical Internship in Speech-Language Pathology I 3 hrs
- \* SPSI 688 - Clinical Internship in Speech-Language Pathology II 3 hrs
- \* SPSI 689 - Public School Internship in Speech-Language Pathology 3 hrs

Choose one from the following:

- SPGN 692 - Master's Thesis 3 hrs
- SPSI 694 - Professional Issues in Speech-Language Pathology 2 hrs

**Program Total: 60-61 hours**

**Note:**

*\* Students complete only two of three internships, either SPSI 687 and 688 OR SPSI 687 and 689.*

**Students without an undergraduate degree in Speech-Language Pathology must also take the following courses: 20 hours**

- SPGN 251 - Education of Students with Exceptionalities 3 hrs
- SPHI 392 - Introduction to Audiology 3 hrs

- SPSI 332 - Acoustic Phonetics Speech Science 2 hrs
- SPSI 334 - Applied Phonetics 3 hrs
- SPSI 336 - Physiologic Phonetics: Anatomy and Physiology 3 hrs
- SPSI 337 - Language Acquisition 3 hrs
- SPSI 346 - Speech, Language and Phonological Disorders in Children 3 hrs

## Curriculum

Students may elect to pursue teaching certification; however, this is optional. Students choosing to do so and selecting Elementary Certification must complete a second major in Liberal Arts for Elementary Education. In addition, those selecting Elementary Certification must pass the "Elementary Education" certification test, #083. Students selecting Secondary Certification must select a teachable minor from the approved list, and students must pass the certification test related to the minor in order to be recommended for endorsement in the minor field. See the undergraduate catalog for additional information. Note: This is a requirement if the student has not already completed a major or minor appropriate to the level of certificate sought during completion of the bachelor's degree.

## Courses Required for Teacher Certification

- EDUC 499 - Student Teaching 4 hrs

### Elementary: 13-14 hours

- CURR 304 - Curriculum and Methods: Elementary 3 hrs
- RDNG 300 - Early Literacy 3 hrs
- RDNG 310 - Literacy Across the Curriculum in the Intermediate Grades 3 hrs
- MATH 581 - Modern Mathematics Methods, K-6 2 hrs

### One course from the following:

- GEOG 348 - Teaching Social Studies in Elementary Schools 3 hrs
- GEOG 571 - Teaching of Social Studies 2 hrs

### Secondary: 9 hours

- Methods course in teaching subject area (3 hrs)
- CURR 305 - Curriculum and Methods: Secondary 3 hrs
- RDNG 311 - Teaching Reading in the Secondary School 3 hrs

## Special Education - Curriculum Information

## Courses in General Education:

Undergraduate transcripts will be reviewed to determine completion of hours to be credited toward meeting a required 40 hours of general or liberal education. Additional course work may be necessary to meet this 40-hour requirement.

## Endorsement/Approval Sequence:

Students must be free from any probation, administrative or academic, before an internship or practicum experience is approved. The endorsement sequence is independent from a degree program. Completion of the minimum degree requirements does not guarantee endorsement and the completion of endorsement requirements do not result in the awarding of a degree. It is important for SEM-T students to meet with their graduate adviser to develop a program of study to meet certification, endorsement and degree requirements.

## Undergraduate Courses for Graduate Credit: Special Education

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- SPCI 429 - Education for Teachers of Individuals with Mild Cognitive Impairment in Inclusive Settings 4 hrs
- SPCI 483 - Education of Students in Programs for Moderate or Severe Cognitive Impairment 4 hrs
- SPEI 401L - Programming, Methods and Curriculum for Elementary Students with Emotional Impairment 4 hrs
- SPGN 401 - International Teaching I (NEW COURSE) 6 hrs
- SPGN 402 - International Teaching II (NEW COURSE) 6 hrs
- SPGN 461 - Classroom Management and Intervention Strategies for Students with Disabilities 3 hrs
- SPGN 471 - Curriculum and Transitions for Secondary Special Education 3 hrs
- SPGN 481 - Assistive and Instructional Technology in Special Education 3 hrs
- SPGN 491 - Special Education Student Teaching and Seminar 12 hrs
- SPHI 436 - Speech Methods for Students with Hearing Impairment 3 hrs
- SPHI 437 - Adaptive Curriculum for Students with Hearing Impairment 3 hrs
- SPLI 468 - Education of Children with Learning Disabilities 2 hrs
- SPPI 412 - Ancillary Services and Health Procedures for Teachers of Physically Impaired 2 hrs
- SPPI 414 - Educational Strategies for Teachers of the Physically Impaired 4 hrs
- SPVI 464 - Methods of Teaching Children who are Blind 3 hrs
- SPVI 465 - Braille II: Nemeth Code 3 hrs
- SPVI 467 - Education of Children with Visual Impairment 2 hrs
- SPVI 469 - Technology for Persons with Visual Impairment 2 hrs

## Master's with Teacher Certification

### **Special Education Master's Program with Elementary Certification - Cognitive Impairment (SMCE-SEM-T)**

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128 Porter

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The Department of Special Education offers a Master of Arts Degree with Teacher Certification (SEM-T) that encompasses the range and depth required to accommodate contemporary programs and service delivery systems. The program is designed to allow maximum flexibility in meeting the needs of individual students while maintaining the basic academic integrity implicit in a graduate program. Students in the SEM-T program earn a provisional teaching certificate in elementary education as well as an endorsement as a teacher of students with cognitive impairment.

### **Model**

Eastern Michigan University's advanced professional education programs foster development of educational inquiry, advocacy and leadership skills for a diverse and democratic society. The master's-level programs in the Department of Special Education produce professionals with the comprehensive knowledge, skills and attitudes to deliver a continuum of habilitative/rehabilitative services to persons with special needs, and to their families, within a diverse society.

### **Admission Requirements**

1. Students must achieve a cumulative GPA of 3.0 as an undergraduate (including "last-half GPA") or achieve a cumulative undergraduate GPA of 2.5 but less than 3.0 and receive acceptable scores on the Graduation Record Examination (GRE) or achieve a GPA of 3.0 in 6-9 credit hours of relevant graduate level coursework (degree or non-degree) as determined by the Graduate Coordinator.
2. Students must submit a Personal Statement.
3. Students must submit two letters of recommendation.
4. Students must submit documentation of passing scores on the Michigan Test of Teacher Certification (MTTC-Basic Skills).

### **Program Requirements (All Areas of Exceptionality Except Speech-Language Pathology)**

Graduate students seeking endorsements must:

1. Complete an appropriate program of study as planned with a graduate adviser for the program area;
2. Meet all other requirements of the Graduate School.

### **Exit Criteria**

Exit criteria involve achievement of the objectives for graduate study in special education listed previously, as demonstrated by:

1. Successful completion of all course work on program (minimum GPA of 3.0);
2. Successful completion of required practicum/internship;
3. Successful completion of independent study or thesis project.

[http://www.emich.edu/coe/sped/docs/sped\\_grad\\_student\\_teaching\\_app.pdf](http://www.emich.edu/coe/sped/docs/sped_grad_student_teaching_app.pdf)

## **Curricula**

Students in the SEM-T program must complete the requirements for a provisional certificate in elementary education as well as those for endorsement in special education. Students selecting Elementary Certification must complete the requirements of the Liberal Arts Major for Elementary Education. In addition, those selecting Elementary Certification must pass the "Elementary Education" certification test, #083.

A description of the initial Cognitive Impairment endorsement sequence follows. Endorsement sequences for those already endorsed in one area of special education, but seeking additional endorsement(s), consist of different courses than listed here. Students should consult the appropriate graduate adviser.

An initial endorsement sequence generally consists of the following core special education classes, plus the specialty classes required by the specific program area. Students with teaching certificates are admitted to the professional preparation program at the time of admission to the graduate program in Special Education.

## Special Education Core Courses: 27 hours

- PSY 101 - General Psychology Lecture 3 hrs
- \* SPGN 390 - Measurement and Diagnosis in Special Education 3 hrs

AND

- PHED 578 - Motor Development and Learning 3 hrs
- \* SPGN 461 - Classroom Management and Intervention Strategies for Students with Disabilities 3 hrs
- \* SPGN 471 - Curriculum and Transitions for Secondary Special Education 3 hrs
- \* SPGN 481 - Assistive and Instructional Technology in Special Education 3 hrs
- SPGN 510 - Introduction to Inclusive Education and Disability Studies 3 hrs
- SPGN 615 - Social Psychology of Disability: Family, School, and Society 3 hrs
- SPLI 673 - Language: Acquisition, Disorders, Evaluation 3 hrs

Program Total: 27 hours

Courses Required for Initial Endorsement:

Teachers of Students with Cognitive Impairment (SMCE):

Special Education Core Courses: 27 hours

- PSY 101 - General Psychology Lecture 3 hrs
- \* SPGN 390 - Measurement and Diagnosis in Special Education 3 hrs

AND

- PHED 578 - Motor Development and Learning 3 hrs
- \* SPGN 461 - Classroom Management and Intervention Strategies for Students with Disabilities 3 hrs
- \* SPGN 481 - Assistive and Instructional Technology in Special Education 3 hrs
- SPGN 510 - Introduction to Inclusive Education and Disability Studies 3 hrs
- SPGN 615 - Social Psychology of Disability: Family, School, and Society 3 hrs
- SPGN 694 - Seminar: Interdisciplinary Special Education 3 hrs
- SPLI 673 - Language: Acquisition, Disorders, Evaluation 3 hrs

Courses Required for Initial Endorsement: 23 hours



- \* SPCI 429 - Education for Teachers of Individuals with Mild Cognitive Impairment in Inclusive Settings 4 hrs
- \* SPCI 483 - Education of Students in Programs for Moderate or Severe Cognitive Impairment 4 hrs
- SPCI 557 - Cognitive Impairment Theory 4 hrs
- \* SPGN 471 - Curriculum and Transitions for Secondary Special Education 3 hrs
- SPGN 689 - Supervised Internship in Special Education 6 hrs
- \* SPLI 468 - Education of Children with Learning Disabilities 2 hrs

**Endorsement with Core Course Total: 50 hours**

## Note:

\* These courses require formal admission to the Initial Teacher Preparation Program.

## Special Education - Curriculum Information

### Courses in General Education:

Undergraduate transcripts will be reviewed to determine completion of hours to be credited toward meeting a required 40 hours of general or liberal education. Additional course work may be necessary to meet this 40-hour requirement.

### Endorsement/Approval Sequence:

Students must be free from any probation, administrative or academic, before an internship or practicum experience is approved. The endorsement sequence is independent from a degree program. Completion of the minimum degree requirements does not guarantee endorsement and the completion of endorsement requirements do not result in the awarding of a degree. It is important for SEM-T students to meet with their graduate adviser to develop a program of study to meet certification, endorsement and degree requirements.

## Undergraduate Courses for Graduate Credit: Special Education

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- SPCI 429 - Education for Teachers of Individuals with Mild Cognitive Impairment in Inclusive Settings 4 hrs
- SPCI 483 - Education of Students in Programs for Moderate or Severe Cognitive Impairment 4 hrs
- SPEI 401L - Programming, Methods and Curriculum for Elementary Students with Emotional Impairment 4 hrs
- SPGN 401 - International Teaching I (NEW COURSE) 6 hrs
- SPGN 402 - International Teaching II (NEW COURSE) 6 hrs
- SPGN 461 - Classroom Management and Intervention Strategies for Students with Disabilities 3 hrs
- SPGN 471 - Curriculum and Transitions for Secondary Special Education 3 hrs
- SPGN 481 - Assistive and Instructional Technology in Special Education 3 hrs
- SPGN 491 - Special Education Student Teaching and Seminar 12 hrs
- SPHI 436 - Speech Methods for Students with Hearing Impairment 3 hrs
- SPHI 437 - Adaptive Curriculum for Students with Hearing Impairment 3 hrs

- SPLI 468 - Education of Children with Learning Disabilities 2 hrs
- SPPI 412 - Ancillary Services and Health Procedures for Teachers of Physically Impaired 2 hrs
- SPPI 414 - Educational Strategies for Teachers of the Physically Impaired 4 hrs
- SPVI 464 - Methods of Teaching Children who are Blind 3 hrs
- SPVI 465 - Braille II: Nemeth Code 3 hrs
- SPVI 467 - Education of Children with Visual Impairment 2 hrs
- SPVI 469 - Technology for Persons with Visual Impairment 2 hrs

## **Special Education Master's Program with Elementary Certification - Emotional Impairment (SMEE-SEM-T)**

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Adviser (Students Last Names M-Z): Steven Camron, J.D.  
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The Department of Special Education offers a Master of Arts Degree with Teacher Certification (SEM-T) that encompasses the range and depth required to accommodate contemporary programs and service delivery systems. The program is designed to allow maximum flexibility in meeting the needs of individual students while maintaining the basic academic integrity implicit in a graduate program. Students in the SEM-T program earn a provisional teaching certificate in elementary education as well as an endorsement as a teacher of students with emotional impairment in addition to their Master of Arts Degree.

### **Model**

Eastern Michigan University's advanced professional education programs develop leaders who demonstrate reflective thought and scholarship within the context of a culturally diverse society. In addition, the master's-level programs in the Department of Special Education produce professionals with the comprehensive knowledge, skills and attitudes to deliver a continuum of habilitative/rehabilitative services to persons with special needs, and to their families, within a diverse society.

### **Admission Requirements**

1. Students must have taken the GRE.
2. Students must submit a Personal Statement.
3. Students must submit two letters of recommendation.
4. Students must submit documentation of passing scores on the Michigan Test of Teacher Certification (MTTC-Basic Skills).

### **Program Requirements (All Areas of Exceptionality Except Speech-Language Pathology)**

Graduate students seeking endorsements must:

1. Complete an appropriate program of study as planned with a graduate adviser for the program area;
2. Meet all other requirements of the Graduate School.

### **Exit Criteria**

Exit criteria involve achievement of the objectives for graduate study in special education listed previously, as demonstrated by:

1. Successful completion of all course work on program (minimum GPA of 3.0);
2. Successful completion of required practicum/internship;
3. Successful completion of independent study or thesis project.

[http://www.emich.edu/coe/sped/docs/sped\\_grad\\_student\\_teaching\\_app.pdf](http://www.emich.edu/coe/sped/docs/sped_grad_student_teaching_app.pdf)

## Curricula

Students in the SEM-T program must complete the requirements for a provisional certificate in elementary education as well as those for endorsement in special education. Students selecting Elementary Certification must complete the requirements of the Liberal Arts Major for Elementary Education. In addition, those selecting Elementary Certification must pass the “Elementary Education” certification test, #083.

A description of the initial Emotional Impairment endorsement sequence follows. Endorsement sequences for those already endorsed in one area of special education, but seeking additional endorsement(s), consist of different courses than listed here. Students should consult the appropriate graduate adviser.

An initial endorsement sequence generally consists of the following core special education classes, plus the specialty classes required by the specific program area. Students with teaching certificates are admitted to the professional preparation program at the time of admission to the graduate program in Special Education.

### Special Education Core Courses: 27 hours

- PSY 101 - General Psychology Lecture 3 hrs
- \* SPGN 390 - Measurement and Diagnosis in Special Education 3 hrs

AND

- PHED 578 - Motor Development and Learning 3 hrs
- \* SPGN 461 - Classroom Management and Intervention Strategies for Students with Disabilities 3 hrs
- \* SPGN 471 - Curriculum and Transitions for Secondary Special Education 3 hrs
- \* SPGN 481 - Assistive and Instructional Technology in Special Education 3 hrs
- SPGN 510 - Introduction to Inclusive Education and Disability Studies 3 hrs
- SPGN 615 - Social Psychology of Disability: Family, School, and Society 3 hrs
- SPLI 673 - Language: Acquisition, Disorders, Evaluation 3 hrs

**Program Total: 27 hours**

**Courses Required for Initial Endorsement:**

**Teachers of Students with Emotional Impairment (SMEE):**

**Special Education Core Courses: 24 hours**

- PSY 101 - General Psychology Lecture 3 hrs

- \* SPGN 390 - Measurement and Diagnosis in Special Education 3 hrs

AND

- PHED 578 - Motor Development and Learning 3 hrs
- \* SPGN 461 - Classroom Management and Intervention Strategies for Students with Disabilities 3 hrs
- \* SPGN 481 - Assistive and Instructional Technology in Special Education 3 hrs
- SPGN 510 - Introduction to Inclusive Education and Disability Studies 3 hrs
- SPGN 615 - Social Psychology of Disability: Family, School, and Society 3 hrs
- SPLI 673 - Language: Acquisition, Disorders, Evaluation 3 hrs

### Courses Required for Initial Endorsement: 22 hours

- SPEI 401L - Programming, Methods and Curriculum for Elementary Students with Emotional Impairment 4 hrs
- SPEI 510 - Theories of Emotional-Behavioral Impairments 4 hrs
- SPEI 694 - Seminar: Students with Emotional Impairment 3 hrs
- \* SPGN 471 - Curriculum and Transitions for Secondary Special Education 3 hrs
- SPGN 689 - Supervised Internship in Special Education 6 hrs
- \* SPLI 468 - Education of Children with Learning Disabilities 2 hrs

### Endorsement with Core Course Total: 46 hours

#### Note:

\* These courses require formal admission to the Initial Teacher Preparation Program.

## Special Education - Curriculum Information

### Courses in General Education:

Undergraduate transcripts will be reviewed to determine completion of hours to be credited toward meeting a required 40 hours of general or liberal education. Additional course work may be necessary to meet this 40-hour requirement.

### Endorsement/Approval Sequence:

Students must be free from any probation, administrative or academic, before an internship or practicum experience is approved. The endorsement sequence is independent from a degree program. Completion of the minimum degree requirements does not guarantee endorsement and the completion of endorsement requirements do not result in the awarding of a degree. It is important for SEM-T students to meet with their graduate adviser to develop a program of study to meet certification, endorsement and degree requirements.

## Undergraduate Courses for Graduate Credit: Special Education

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- SPCI 429 - Education for Teachers of Individuals with Mild Cognitive Impairment in Inclusive Settings 4 hrs
- SPCI 483 - Education of Students in Programs for Moderate or Severe Cognitive Impairment 4 hrs
- SPEI 401L - Programming, Methods and Curriculum for Elementary Students with Emotional Impairment 4 hrs
- SPGN 401 - International Teaching I (NEW COURSE) 6 hrs
- SPGN 402 - International Teaching II (NEW COURSE) 6 hrs
- SPGN 461 - Classroom Management and Intervention Strategies for Students with Disabilities 3 hrs
- SPGN 471 - Curriculum and Transitions for Secondary Special Education 3 hrs
- SPGN 481 - Assistive and Instructional Technology in Special Education 3 hrs
- SPGN 491 - Special Education Student Teaching and Seminar 12 hrs
- SPHI 436 - Speech Methods for Students with Hearing Impairment 3 hrs
- SPHI 437 - Adaptive Curriculum for Students with Hearing Impairment 3 hrs
- SPLI 468 - Education of Children with Learning Disabilities 2 hrs
- SPPI 412 - Ancillary Services and Health Procedures for Teachers of Physically Impaired 2 hrs
- SPPI 414 - Educational Strategies for Teachers of the Physically Impaired 4 hrs
- SPVI 464 - Methods of Teaching Children who are Blind 3 hrs
- SPVI 465 - Braille II: Nemeth Code 3 hrs
- SPVI 467 - Education of Children with Visual Impairment 2 hrs
- SPVI 469 - Technology for Persons with Visual Impairment 2 hrs

## **Special Education Master's Program with Elementary Certification - Hearing Impairment (SMHE-SEM-T)**

Adviser: Linda Polter, Ph.D.  
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The Department of Special Education offers a Master of Arts Degree with Teacher Certification (SEM-T) that encompasses the range and depth required to accommodate contemporary programs and service delivery systems. The program is designed to allow maximum flexibility in meeting the needs of individual students while maintaining the basic academic integrity implicit in a graduate program. Students in the SEM-T program earn a provisional teaching certificate in elementary education as well as an endorsement as a teacher of students with hearing impairment.

### **Model**

Eastern Michigan University's advanced professional education programs foster development of educational inquiry, advocacy and leadership skills for a diverse and democratic society. The master's-level programs in the Department of Special Education produce professionals with the comprehensive knowledge, skills and attitudes to deliver a continuum of habilitative/rehabilitative services to persons with special needs, and to their families, within a diverse society.

### **Admission Requirements**

1. Students must achieve a cumulative GOA of 3.0 as an undergraduate (including "last-half GPA") or achieve a cumulative undergraduate GPA of 2.5 but less than 3.0 and receive acceptable scores on the Graduation Record Examination (GRE) or achieve a GOA of 3.0 in 6-9 credit hours of relevant graduate level coursework (degree or non-degree) as determined by the Graduate Coordinator.
2. Students must submit a Personal Statement.

3. Students must submit two letters of recommendation.
4. Students must submit documentation of passing scores on the Michigan Test of Teacher Certification (MTTC-Basic Skills).

### **Program Requirements (All Areas of Exceptionality Except Speech-Language Pathology)**

Graduate students seeking endorsements must:

1. Complete an appropriate program of study as planned with a graduate adviser for the program area;
2. Meet all other requirements of the Graduate School.

### **Exit Criteria**

Exit criteria involve achievement of the objectives for graduate study in special education listed previously, as demonstrated by:

1. Successful completion of all course work on program (minimum GPA of 3.0);
2. Successful completion of required practicum/internship;
3. Successful completion of independent study or thesis project.

[http://www.emich.edu/coe/sped/docs/sped\\_grad\\_student\\_teaching\\_app.pdf](http://www.emich.edu/coe/sped/docs/sped_grad_student_teaching_app.pdf)

## **Curricula**

Students in the SEM-T program must complete the requirements for a provisional certificate in elementary education as well as those for endorsement in special education. Students selecting Elementary Certification must complete the requirements of the Liberal Arts Major for Elementary Education. In addition, those selecting Elementary Certification must pass the “Elementary Education” certification test, #083.

A description of the initial Hearing Impairment endorsement sequence follows. Endorsement sequences for those already endorsed in one area of special education, but seeking additional endorsement(s), consist of different courses than listed here. Students should consult the appropriate graduate adviser.

An initial endorsement sequence generally consists of the following core special education classes, plus the specialty classes required by the specific program area. Students with teaching certificates are admitted to the professional preparation program at the time of admission to the graduate program in Special Education.

## **Special Education Core Courses: 27 hours**

- PSY 101 - General Psychology Lecture 3 hrs
- \* SPGN 390 - Measurement and Diagnosis in Special Education 3 hrs

AND

- PHED 578 - Motor Development and Learning 3 hrs
- \* SPGN 461 - Classroom Management and Intervention Strategies for Students with Disabilities 3 hrs
- \* SPGN 471 - Curriculum and Transitions for Secondary Special Education 3 hrs
- \* SPGN 481 - Assistive and Instructional Technology in Special Education 3 hrs
- SPGN 510 - Introduction to Inclusive Education and Disability Studies 3 hrs
- SPGN 615 - Social Psychology of Disability: Family, School, and Society 3 hrs

- SPLI 673 - Language: Acquisition, Disorders, Evaluation 3 hrs

**Program Total: 27 hours**

**Courses Required for Initial Endorsement:**

**Teachers of Students with Hearing Impairment (SMHE):**

Prospective students should be aware that the basic philosophy of the program is oral communication; students are exposed to manual communication during their course of study, however.

All students are considered provisional majors until such time as they successfully complete SPHI 391 - Language for Students with Hearing Impairment and pass a language proficiency examination. SPLI 673 listed below is **not** required in this program; SPGN 271 can be taken instead.

**Special Education Core Courses: 30 hours**

- PSY 101 - General Psychology Lecture 3 hrs
- \* SPGN 390 - Measurement and Diagnosis in Special Education 3 hrs

AND

- PHED 578 - Motor Development and Learning 3 hrs
- \* SPGN 461 - Classroom Management and Intervention Strategies for Students with Disabilities 3 hrs
- \* SPGN 471 - Curriculum and Transitions for Secondary Special Education 3 hrs
- \* SPGN 481 - Assistive and Instructional Technology in Special Education 3 hrs
- SPGN 510 - Introduction to Inclusive Education and Disability Studies 3 hrs
- SPGN 615 - Social Psychology of Disability: Family, School, and Society 3 hrs
- SPGN 694 - Seminar: Interdisciplinary Special Education 3 hrs
- SPLI 673 - Language: Acquisition, Disorders, Evaluation 3 hrs

**Courses Required for Initial Endorsement: 34 hours**

- SPHI 228 - Education of Students with Hearing Impairment 3 hrs
- SPHI 375 - Fundamentals of Sign Communication 2 hrs
- \* SPHI 387 - Introductory Practicum - Students with Hearing Impairment 1 hr
- \* SPHI 391 - Language for Students with Hearing Impairment 3 hrs
- SPHI 392 - Introduction to Audiology 3 hrs
- SPHI 394 - Aural Habilitation Rehabilitation 3 hrs
- SPHI 435 - Phonetics and Hearing Impairment 3 hrs
- \* SPHI 487 - Speech Practicum - Students with Hearing Impairment 1 hr

- SPSI 337 - Language Acquisition 3 hrs

AND

- SPGN 689 - Supervised Internship in Special Education 6 hrs
- \* SPHI 436 - Speech Methods for Students with Hearing Impairment 3 hrs
- \* SPHI 437 - Adaptive Curriculum for Students with Hearing Impairment 3 hrs

Endorsement with Core Course Total: 64 hours

## Note:

\* These courses require formal admission to the Initial Teacher Preparation Program.

## Special Education - Curriculum Information

### Courses in General Education:

Undergraduate transcripts will be reviewed to determine completion of hours to be credited toward meeting a required 40 hours of general or liberal education. Additional course work may be necessary to meet this 40-hour requirement.

### Endorsement/Approval Sequence:

Students must be free from any probation, administrative or academic, before an internship or practicum experience is approved. The endorsement sequence is independent from a degree program. Completion of the minimum degree requirements does not guarantee endorsement and the completion of endorsement requirements do not result in the awarding of a degree. It is important for SEM-T students to meet with their graduate adviser to develop a program of study to meet certification, endorsement and degree requirements.

## Undergraduate Courses for Graduate Credit: Special Education

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- SPCI 429 - Education for Teachers of Individuals with Mild Cognitive Impairment in Inclusive Settings 4 hrs
- SPCI 483 - Education of Students in Programs for Moderate or Severe Cognitive Impairment 4 hrs
- SPEI 401L - Programming, Methods and Curriculum for Elementary Students with Emotional Impairment 4 hrs
- SPGN 401 - International Teaching I (NEW COURSE) 6 hrs
- SPGN 402 - International Teaching II (NEW COURSE) 6 hrs
- SPGN 461 - Classroom Management and Intervention Strategies for Students with Disabilities 3 hrs
- SPGN 471 - Curriculum and Transitions for Secondary Special Education 3 hrs
- SPGN 481 - Assistive and Instructional Technology in Special Education 3 hrs
- SPGN 491 - Special Education Student Teaching and Seminar 12 hrs
- SPHI 436 - Speech Methods for Students with Hearing Impairment 3 hrs
- SPHI 437 - Adaptive Curriculum for Students with Hearing Impairment 3 hrs



- SPLI 468 - Education of Children with Learning Disabilities 2 hrs
- SPPI 412 - Ancillary Services and Health Procedures for Teachers of Physically Impaired 2 hrs
- SPPI 414 - Educational Strategies for Teachers of the Physically Impaired 4 hrs
- SPVI 464 - Methods of Teaching Children who are Blind 3 hrs
- SPVI 465 - Braille II: Nemeth Code 3 hrs
- SPVI 467 - Education of Children with Visual Impairment 2 hrs
- SPVI 469 - Technology for Persons with Visual Impairment 2 hrs

## **Special Education Master's Program with Elementary Certification - Physical & Other Health Impairment (SMPE-SEM-T)**

Adviser: Jacquelyn McGinnis, Ph.D.  
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The Department of Special Education offers a Master of Arts Degree with Teacher Certification (SEM-T) that encompasses the range and depth required to accommodate contemporary programs and service delivery systems. The program is designed to allow maximum flexibility in meeting the needs of individual students while maintaining the basic academic integrity implicit in a graduate program. Students in the SEM-T program earn a provisional teaching certificate in elementary education as well as an endorsement as a teacher of students with physical and other health impairments in addition to their Master of Arts Degree.

### **Model**

Eastern Michigan University's advanced professional education programs develop leaders who demonstrate reflective thought and scholarship within the context of a culturally diverse society. In addition, the master's-level programs in the Department of Special Education produce professionals with the comprehensive knowledge, skills and attitudes to deliver a continuum of habilitative/rehabilitative services to persons with special needs, and to their families, within a diverse society.

### **Admission Requirements**

1. Students must have taken the GRE.
2. Students must submit a Personal Statement.
3. Students must submit two letters of recommendation.
4. Students must submit documentation of passing scores on the Michigan Test of Teacher Certification (MTTC-Basic Skills).

### **Program Requirements (All Areas of Exceptionality Except Speech-Language Pathology)**

Graduate students seeking endorsements must:

1. Complete an appropriate program of study as planned with a graduate adviser for the program area;
2. Meet all other requirements of the Graduate School.

### **Exit Criteria**

Exit criteria involve achievement of the objectives for graduate study in special education listed previously, as demonstrated by:

1. Successful completion of all course work on program (minimum GPA of 3.0);
2. Successful completion of required practicum/internship;

3. Successful completion of independent study or thesis project.

[http://www.emich.edu/coe/sped/docs/sped\\_grad\\_student\\_teaching\\_app.pdf](http://www.emich.edu/coe/sped/docs/sped_grad_student_teaching_app.pdf)

## Curricula

Students in the SEM-T program must complete the requirements for a provisional certificate in elementary education as well as those for endorsement in special education. Students selecting Elementary Certification must complete the requirements of the Liberal Arts Major for Elementary Education. In addition, those selecting Elementary Certification must pass the “Elementary Education” certification test, #083.

A description of the initial Physical & Other Health Impairment endorsement sequence follows. Endorsement sequences for those already endorsed in one area of special education, but seeking additional endorsement(s), consist of different courses than listed here. Students should consult the appropriate graduate adviser.

An initial endorsement sequence generally consists of the following core special education classes, plus the specialty classes required by the specific program area. Students with teaching certificates are admitted to the professional preparation program at the time of admission to the graduate program in Special Education.

### Special Education Core Courses: 27 hours

- PSY 101 - General Psychology Lecture 3 hrs
- \* SPGN 390 - Measurement and Diagnosis in Special Education 3 hrs

AND

- PHED 578 - Motor Development and Learning 3 hrs
- \* SPGN 461 - Classroom Management and Intervention Strategies for Students with Disabilities 3 hrs
- \* SPGN 471 - Curriculum and Transitions for Secondary Special Education 3 hrs
- \* SPGN 481 - Assistive and Instructional Technology in Special Education 3 hrs
- SPGN 510 - Introduction to Inclusive Education and Disability Studies 3 hrs
- SPGN 615 - Social Psychology of Disability: Family, School, and Society 3 hrs
- SPLI 673 - Language: Acquisition, Disorders, Evaluation 3 hrs

**Program Total: 27 hours**

**Courses Required for Initial Endorsement:**

**Teachers of Students with Physical & Other Health Impairment (SMPE):**

**Special Education Core Courses: 27 hours**

- PSY 101 - General Psychology Lecture 3 hrs
- \* SPGN 390 - Measurement and Diagnosis in Special Education 3 hrs

AND

- PHED 578 - Motor Development and Learning 3 hrs
- \* SPGN 461 - Classroom Management and Intervention Strategies for Students with Disabilities 3 hrs
- \* SPGN 481 - Assistive and Instructional Technology in Special Education 3 hrs
- SPGN 510 - Introduction to Inclusive Education and Disability Studies 3 hrs
- SPGN 615 - Social Psychology of Disability: Family, School, and Society 3 hrs
- SPGN 694 - Seminar: Interdisciplinary Special Education 3 hrs
- SPLI 673 - Language: Acquisition, Disorders, Evaluation 3 hrs

### Courses Required for Initial Endorsement: 33 hours

- SPLI 481 - Adaptive Technology in Special Education 2 hrs
- SPPI 240 - Preclinical Experiences - POHI 3 hrs
- SPPI 310 - Developmental Sciences for Teachers of the Physically and Health Impaired 4 hrs
- SPPI 360 - Pathology of Physical and Health Impairments 3 hrs

AND

- SPCI 557 - Cognitive Impairment Theory 4 hrs
- \* SPGN 471 - Curriculum and Transitions for Secondary Special Education 3 hrs
- SPGN 689 - Supervised Internship in Special Education 6 hrs
- \* SPLI 468 - Education of Children with Learning Disabilities 2 hrs
- \* SPPI 412 - Ancillary Services and Health Procedures for Teachers of Physically Impaired 2 hrs
- \* SPPI 414 - Educational Strategies for Teachers of the Physically Impaired 4 hrs

### Endorsement with Core Courses Total: 60 hours

#### Note:

\* These courses require formal admission to the Initial Teacher Preparation Program.

## Special Education - Curriculum Information

### Courses in General Education:

Undergraduate transcripts will be reviewed to determine completion of hours to be credited toward meeting a required 40 hours of general or liberal education. Additional course work may be necessary to meet this 40-hour requirement.

### Endorsement/Approval Sequence:

Students must be free from any probation, administrative or academic, before an internship or practicum experience is approved. The endorsement sequence is independent from a degree program. Completion of the minimum degree requirements does not guarantee endorsement and the completion of endorsement requirements do not result in the awarding of a degree. It is important for SEM-T students to meet with their graduate adviser to develop a program of study to meet certification, endorsement and degree requirements.

## Undergraduate Courses for Graduate Credit: Special Education

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- SPCI 429 - Education for Teachers of Individuals with Mild Cognitive Impairment in Inclusive Settings 4 hrs
- SPCI 483 - Education of Students in Programs for Moderate or Severe Cognitive Impairment 4 hrs
- SPEI 401L - Programming, Methods and Curriculum for Elementary Students with Emotional Impairment 4 hrs
- SPGN 401 - International Teaching I (NEW COURSE) 6 hrs
- SPGN 402 - International Teaching II (NEW COURSE) 6 hrs
- SPGN 461 - Classroom Management and Intervention Strategies for Students with Disabilities 3 hrs
- SPGN 471 - Curriculum and Transitions for Secondary Special Education 3 hrs
- SPGN 481 - Assistive and Instructional Technology in Special Education 3 hrs
- SPGN 491 - Special Education Student Teaching and Seminar 12 hrs
- SPHI 436 - Speech Methods for Students with Hearing Impairment 3 hrs
- SPHI 437 - Adaptive Curriculum for Students with Hearing Impairment 3 hrs
- SPLI 468 - Education of Children with Learning Disabilities 2 hrs
- SPPI 412 - Ancillary Services and Health Procedures for Teachers of Physically Impaired 2 hrs
- SPPI 414 - Educational Strategies for Teachers of the Physically Impaired 4 hrs
- SPVI 464 - Methods of Teaching Children who are Blind 3 hrs
- SPVI 465 - Braille II: Nemeth Code 3 hrs
- SPVI 467 - Education of Children with Visual Impairment 2 hrs
- SPVI 469 - Technology for Persons with Visual Impairment 2 hrs

## Special Education Master's Program with Elementary Certification - Visual Impairment (SMVE-SEM-T)

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tli@emich.edu

The Department of Special Education offers a Master of Arts Degree with Teacher Certification (SEM-T) that encompasses the range and depth required to accommodate contemporary programs and service delivery systems. The program is designed to allow maximum flexibility in meeting the needs of individual students while maintaining the basic academic integrity implicit in a graduate program. Students in the SEM-T program earn a provisional teaching certificate in elementary education as well as an endorsement as a teacher of students with visual impairment in addition to their Master of Arts Degree.

### Model

Eastern Michigan University's advanced professional education programs develop leaders who demonstrate reflective thought and scholarship within the context of a culturally diverse society. In addition, the master's-level programs in the Department of Special Education produce professionals with the comprehensive knowledge, skills and attitudes to deliver a continuum of habilitative/rehabilitative services to persons with special needs, and to their families, within a diverse society.

### Admission Requirements

1. Students must have taken the GRE.

2. Students must submit a Personal Statement.
3. Students must submit two letters of recommendation.
4. Students must submit documentation of passing scores on the Michigan Test of Teacher Certification (MTTC-Basic Skills).

### **Program Requirements (All Areas of Exceptionality Except Speech-Language Pathology)**

Graduate students seeking endorsements must:

1. Complete an appropriate program of study as planned with a graduate adviser for the program area;
2. Meet all other requirements of the Graduate School.

### **Exit Criteria**

Exit criteria involve achievement of the objectives for graduate study in special education listed previously, as demonstrated by:

1. Successful completion of all course work on program (minimum GPA of 3.0);
2. Successful completion of required practicum/internship;
3. Successful completion of independent study or thesis project.

[http://www.emich.edu/coe/sped/docs/sped\\_grad\\_student\\_teaching\\_app.pdf](http://www.emich.edu/coe/sped/docs/sped_grad_student_teaching_app.pdf)

## **Curricula**

Students in the SEM-T program must complete the requirements for a provisional certificate in elementary education as well as those for endorsement in special education. Students selecting Elementary Certification must complete the requirements of the Liberal Arts Major for Elementary Education. In addition, those selecting Elementary Certification must pass the “Elementary Education” certification test, #083.

A description of the initial Visual Impairment endorsement sequence follows. Endorsement sequences for those already endorsed in one area of special education, but seeking additional endorsement(s), consist of different courses than listed here. Students should consult the appropriate graduate adviser.

An initial endorsement sequence generally consists of the following core special education classes, plus the specialty classes required by the specific program area. Students with teaching certificates are admitted to the professional preparation program at the time of admission to the graduate program in Special Education.

## **Special Education Core Courses: 27 hours**

- PSY 101 - General Psychology Lecture 3 hrs
- \* SPGN 390 - Measurement and Diagnosis in Special Education 3 hrs

AND

- PHED 578 - Motor Development and Learning 3 hrs
- \* SPGN 461 - Classroom Management and Intervention Strategies for Students with Disabilities 3 hrs
- \* SPGN 471 - Curriculum and Transitions for Secondary Special Education 3 hrs
- \* SPGN 481 - Assistive and Instructional Technology in Special Education 3 hrs

- SPGN 510 - Introduction to Inclusive Education and Disability Studies 3 hrs
- SPGN 615 - Social Psychology of Disability: Family, School, and Society 3 hrs
- SPLI 673 - Language: Acquisition, Disorders, Evaluation 3 hrs

**Program Total: 27 hours**

**Courses Required for Initial Endorsement:**

**Teachers of Students with Visual Impairment (SMVE):**

**Special Education Core Courses: 30 hours**

- PSY 101 - General Psychology Lecture 3 hrs
- \* SPGN 390 - Measurement and Diagnosis in Special Education 3 hrs

AND

- PHED 578 - Motor Development and Learning 3 hrs
- \* SPGN 461 - Classroom Management and Intervention Strategies for Students with Disabilities 3 hrs
- \* SPGN 471 - Curriculum and Transitions for Secondary Special Education 3 hrs
- \* SPGN 481 - Assistive and Instructional Technology in Special Education 3 hrs
- SPGN 510 - Introduction to Inclusive Education and Disability Studies 3 hrs
- SPGN 615 - Social Psychology of Disability: Family, School, and Society 3 hrs
- SPGN 694 - Seminar: Interdisciplinary Special Education 3 hrs
- SPLI 673 - Language: Acquisition, Disorders, Evaluation 3 hrs

**Courses Required for Initial Endorsement: 27 hours**

- SPVI 365 - Braille 3 hrs
- SPVI 366 - The Eye and Vision - Anatomy and Physiology 2 hrs
- SPVI 368 - Mobility Training for Persons with Visual Impairment 2 hrs
- SPVI 369 - Community Considerations for Persons with Visual Impairment 3 hrs

AND

- SPGN 689 - Supervised Internship in Special Education 6 hrs
- \* SPVI 464 - Methods of Teaching Children who are Blind 3 hrs
- \* SPVI 465 - Braille II: Nemeth Code 3 hrs
- \* SPVI 467 - Education of Children with Visual Impairment 2 hrs
- \* SPVI 469 - Technology for Persons with Visual Impairment 2 hrs

**Endorsement with Core Courses Total: 57 hours**

**Note:**

\* These courses require formal admission to the Initial Teacher Preparation Program.

## Special Education - Curriculum Information

### Courses in General Education:

Undergraduate transcripts will be reviewed to determine completion of hours to be credited toward meeting a required 40 hours of general or liberal education. Additional course work may be necessary to meet this 40-hour requirement.

### Endorsement/Approval Sequence:

Students must be free from any probation, administrative or academic, before an internship or practicum experience is approved. The endorsement sequence is independent from a degree program. Completion of the minimum degree requirements does not guarantee endorsement and the completion of endorsement requirements do not result in the awarding of a degree. It is important for SEM-T students to meet with their graduate adviser to develop a program of study to meet certification, endorsement and degree requirements.

## Undergraduate Courses for Graduate Credit: Special Education

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- SPCI 429 - Education for Teachers of Individuals with Mild Cognitive Impairment in Inclusive Settings 4 hrs
- SPCI 483 - Education of Students in Programs for Moderate or Severe Cognitive Impairment 4 hrs
- SPEI 401L - Programming, Methods and Curriculum for Elementary Students with Emotional Impairment 4 hrs
- SPGN 401 - International Teaching I (NEW COURSE) 6 hrs
- SPGN 402 - International Teaching II (NEW COURSE) 6 hrs
- SPGN 461 - Classroom Management and Intervention Strategies for Students with Disabilities 3 hrs
- SPGN 471 - Curriculum and Transitions for Secondary Special Education 3 hrs
- SPGN 481 - Assistive and Instructional Technology in Special Education 3 hrs
- SPGN 491 - Special Education Student Teaching and Seminar 12 hrs
- SPHI 436 - Speech Methods for Students with Hearing Impairment 3 hrs
- SPHI 437 - Adaptive Curriculum for Students with Hearing Impairment 3 hrs
- SPLI 468 - Education of Children with Learning Disabilities 2 hrs
- SPPI 412 - Ancillary Services and Health Procedures for Teachers of Physically Impaired 2 hrs
- SPPI 414 - Educational Strategies for Teachers of the Physically Impaired 4 hrs
- SPVI 464 - Methods of Teaching Children who are Blind 3 hrs
- SPVI 465 - Braille II: Nemeth Code 3 hrs
- SPVI 467 - Education of Children with Visual Impairment 2 hrs
- SPVI 469 - Technology for Persons with Visual Impairment 2 hrs

## **Special Education Master's Program with Secondary Certification - Cognitive Impairment (SMCS-SEM-T)**

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Adviser (Students Last Names M-Z): Jacquelyn McGinnis, Ph.D.  
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The Department of Special Education offers a Master of Arts Degree with Teacher Certification (SEM-T) that encompasses the range and depth required to accommodate contemporary programs and service delivery systems. The program is designed to allow maximum flexibility in meeting the needs of individual students while maintaining the basic academic integrity implicit in a graduate program. Students in the SEM-T program earn a provisional teaching certificate in secondary education as well as an endorsement as a teacher of students with cognitive impairment in addition to their Master of Arts Degree.

### **Model**

Eastern Michigan University's advanced professional education programs develop leaders who demonstrate reflective thought and scholarship within the context of a culturally diverse society. In addition, the master's-level programs in the Department of Special Education produce professionals with the comprehensive knowledge, skills and attitudes to deliver a continuum of habilitative/rehabilitative services to persons with special needs, and to their families, within a diverse society.

### **Admission Requirements**

1. Students must have taken the GRE.
2. Students must submit a Personal Statement.
3. Students must submit two letters of recommendation.
4. Students must submit documentation of passing scores on the Michigan Test of Teacher Certification (MTTC-Basic Skills).

### **Program Requirements (All Areas of Exceptionality Except Speech-Language Pathology)**

Graduate students seeking endorsements must:

1. Complete an appropriate program of study as planned with a graduate adviser for the program area;
2. Meet all other requirements of the Graduate School.

### **Exit Criteria**

Exit criteria involve achievement of the objectives for graduate study in special education listed previously, as demonstrated by:

1. Successful completion of all course work on program (minimum GPA of 3.0);
2. Successful completion of required practicum/internship;
3. Successful completion of independent study or thesis project.

[http://www.emich.edu/coe/sped/docs/sped\\_grad\\_student\\_teaching\\_app.pdf](http://www.emich.edu/coe/sped/docs/sped_grad_student_teaching_app.pdf)

## **Curricula**



Students in the SEM-T program must complete the requirements for a provisional certificate in secondary education as well as those for endorsement in special education. Students selecting Secondary Certification must select a teachable minor from the approved list, and students must pass the certification test related to the minor in order to be recommended for endorsement in the minor field. See the undergraduate catalog for information on these requirements.

A description of the initial Cognitive Impairment endorsement sequence follows. Endorsement sequences for those already endorsed in one area of special education, but seeking additional endorsement(s), consist of different courses than listed here. Students should consult the appropriate graduate adviser.

An initial endorsement sequence generally consists of the following core special education classes, plus the specialty classes required by the specific program area. Students with teaching certificates are admitted to the professional preparation program at the time of admission to the graduate program in Special Education.

## Special Education Core Courses: 27 hours

- PSY 101 - General Psychology Lecture 3 hrs
- \* SPGN 390 - Measurement and Diagnosis in Special Education 3 hrs

AND

- PHED 578 - Motor Development and Learning 3 hrs
- \* SPGN 461 - Classroom Management and Intervention Strategies for Students with Disabilities 3 hrs
- \* SPGN 471 - Curriculum and Transitions for Secondary Special Education 3 hrs
- \* SPGN 481 - Assistive and Instructional Technology in Special Education 3 hrs
- SPGN 510 - Introduction to Inclusive Education and Disability Studies 3 hrs
- SPGN 615 - Social Psychology of Disability: Family, School, and Society 3 hrs
- SPLI 673 - Language: Acquisition, Disorders, Evaluation 3 hrs

Program Total: 27 hours

Courses Required for Initial Endorsement:

Teachers of Students with Cognitive Impairment (SMCS):

Special Education Core Courses: 27 hours

- PSY 101 - General Psychology Lecture 3 hrs
- \* SPGN 390 - Measurement and Diagnosis in Special Education 3 hrs

AND

- PHED 578 - Motor Development and Learning 3 hrs
- \* SPGN 461 - Classroom Management and Intervention Strategies for Students with Disabilities 3 hrs
- \* SPGN 481 - Assistive and Instructional Technology in Special Education 3 hrs
- SPGN 510 - Introduction to Inclusive Education and Disability Studies 3 hrs
- SPGN 615 - Social Psychology of Disability: Family, School, and Society 3 hrs
- SPGN 694 - Seminar: Interdisciplinary Special Education 3 hrs

- SPLI 673 - Language: Acquisition, Disorders, Evaluation 3 hrs

## Courses Required for Initial Endorsement: 23 hours

- \* SPCI 429 - Education for Teachers of Individuals with Mild Cognitive Impairment in Inclusive Settings 4 hrs
- \* SPCI 483 - Education of Students in Programs for Moderate or Severe Cognitive Impairment 4 hrs
- SPCI 557 - Cognitive Impairment Theory 4 hrs
- \* SPGN 471 - Curriculum and Transitions for Secondary Special Education 3 hrs
- SPGN 689 - Supervised Internship in Special Education 6 hrs
- \* SPLI 468 - Education of Children with Learning Disabilities 2 hrs

## Endorsement with Core Course Total: 50 hours

### Note:

\* These courses require formal admission to the Initial Teacher Preparation Program.

## Special Education - Curriculum Information

### Courses in General Education:

Undergraduate transcripts will be reviewed to determine completion of hours to be credited toward meeting a required 40 hours of general or liberal education. Additional course work may be necessary to meet this 40-hour requirement.

### Endorsement/Approval Sequence:

Students must be free from any probation, administrative or academic, before an internship or practicum experience is approved. The endorsement sequence is independent from a degree program. Completion of the minimum degree requirements does not guarantee endorsement and the completion of endorsement requirements do not result in the awarding of a degree. It is important for SEM-T students to meet with their graduate adviser to develop a program of study to meet certification, endorsement and degree requirements.

## Undergraduate Courses for Graduate Credit: Special Education

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- SPCI 429 - Education for Teachers of Individuals with Mild Cognitive Impairment in Inclusive Settings 4 hrs
- SPCI 483 - Education of Students in Programs for Moderate or Severe Cognitive Impairment 4 hrs
- SPEI 401L - Programming, Methods and Curriculum for Elementary Students with Emotional Impairment 4 hrs
- SPGN 401 - International Teaching I (NEW COURSE) 6 hrs
- SPGN 402 - International Teaching II (NEW COURSE) 6 hrs
- SPGN 461 - Classroom Management and Intervention Strategies for Students with Disabilities 3 hrs
- SPGN 471 - Curriculum and Transitions for Secondary Special Education 3 hrs

- SPGN 481 - Assistive and Instructional Technology in Special Education 3 hrs
- SPGN 491 - Special Education Student Teaching and Seminar 12 hrs
- SPHI 436 - Speech Methods for Students with Hearing Impairment 3 hrs
- SPHI 437 - Adaptive Curriculum for Students with Hearing Impairment 3 hrs
- SPLI 468 - Education of Children with Learning Disabilities 2 hrs
- SPPI 412 - Ancillary Services and Health Procedures for Teachers of Physically Impaired 2 hrs
- SPPI 414 - Educational Strategies for Teachers of the Physically Impaired 4 hrs
- SPVI 464 - Methods of Teaching Children who are Blind 3 hrs
- SPVI 465 - Braille II: Nemeth Code 3 hrs
- SPVI 467 - Education of Children with Visual Impairment 2 hrs
- SPVI 469 - Technology for Persons with Visual Impairment 2 hrs

## **Special Education Master's Program with Secondary Certification - Emotional Impairment (SMES-SEM-T)**

Adviser (Students Last Names A-L): John Palladino, Ph.D.  
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Adviser (Students Last Names M-Z): Steven Camron, J.D.  
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The Department of Special Education offers a Master of Arts Degree with Teacher Certification (SEM-T) that encompasses the range and depth required to accommodate contemporary programs and service delivery systems. The program is designed to allow maximum flexibility in meeting the needs of individual students while maintaining the basic academic integrity implicit in a graduate program. Students in the SEM-T program earn a provisional teaching certificate in secondary education as well as an endorsement as a teacher of students with emotional impairment in addition to their Master of Arts Degree.

### **Model**

Eastern Michigan University's advanced professional education programs develop leaders who demonstrate reflective thought and scholarship within the context of a culturally diverse society. In addition, the master's-level programs in the Department of Special Education produce professionals with the comprehensive knowledge, skills and attitudes to deliver a continuum of habilitative/rehabilitative services to persons with special needs, and to their families, within a diverse society.

### **Admission Requirements**

1. Students must have taken the GRE.
2. Students must submit a Personal Statement.
3. Students must submit two letters of recommendation.
4. Students must submit documentation of passing scores on the Michigan Test of Teacher Certification (MTTC-Basic Skills).

### **Program Requirements (All Areas of Exceptionality Except Speech-Language Pathology)**

Graduate students seeking endorsements must:

1. Complete an appropriate program of study as planned with a graduate adviser for the program area;
2. Meet all other requirements of the Graduate School.

### **Exit Criteria**

Exit criteria involve achievement of the objectives for graduate study in special education listed previously, as demonstrated by:

1. Successful completion of all course work on program (minimum GPA of 3.0);
2. Successful completion of required practicum/internship;
3. Successful completion of independent study or thesis project.

[http://www.emich.edu/coe/sped/docs/sped\\_grad\\_student\\_teaching\\_app.pdf](http://www.emich.edu/coe/sped/docs/sped_grad_student_teaching_app.pdf)

## **Curricula**

Students in the SEM-T program must complete the requirements for a provisional certificate in secondary education as well as those for endorsement in special education. Students selecting Secondary Certification must select a teachable minor from the approved list, and students must pass the certification test related to the minor in order to be recommended for endorsement in the minor field. See the undergraduate catalog for information on these requirements.

A description of the initial Emotional Impairment endorsement sequence follows. Endorsement sequences for those already endorsed in one area of special education, but seeking additional endorsement(s), consist of different courses than listed here. Students should consult the appropriate graduate adviser.

An initial endorsement sequence generally consists of the following core special education classes, plus the specialty classes required by the specific program area. Students with teaching certificates are admitted to the professional preparation program at the time of admission to the graduate program in Special Education.

### **Special Education Core Courses: 27 hours**

- PSY 101 - General Psychology Lecture 3 hrs
- \* SPGN 390 - Measurement and Diagnosis in Special Education 3 hrs

AND

- PHED 578 - Motor Development and Learning 3 hrs
- \* SPGN 461 - Classroom Management and Intervention Strategies for Students with Disabilities 3 hrs
- \* SPGN 471 - Curriculum and Transitions for Secondary Special Education 3 hrs
- \* SPGN 481 - Assistive and Instructional Technology in Special Education 3 hrs
- SPGN 510 - Introduction to Inclusive Education and Disability Studies 3 hrs
- SPGN 615 - Social Psychology of Disability: Family, School, and Society 3 hrs
- SPLI 673 - Language: Acquisition, Disorders, Evaluation 3 hrs

**Program Total: 27 hours**

**Courses Required for Initial Endorsement:**

## Teachers of Students with Emotional Impairment (SMES):

### Special Education Core Courses: 24 hours

- PSY 101 - General Psychology Lecture 3 hrs
- \* SPGN 390 - Measurement and Diagnosis in Special Education 3 hrs

AND

- PHED 578 - Motor Development and Learning 3 hrs
- \* SPGN 461 - Classroom Management and Intervention Strategies for Students with Disabilities 3 hrs
- \* SPGN 481 - Assistive and Instructional Technology in Special Education 3 hrs
- SPGN 510 - Introduction to Inclusive Education and Disability Studies 3 hrs
- SPGN 615 - Social Psychology of Disability: Family, School, and Society 3 hrs
- SPLI 673 - Language: Acquisition, Disorders, Evaluation 3 hrs

### Courses Required for Initial Endorsement: 22 hours

- SPEI 401L - Programming, Methods and Curriculum for Elementary Students with Emotional Impairment 4 hrs
- SPEI 510 - Theories of Emotional-Behavioral Impairments 4 hrs
- SPEI 694 - Seminar: Students with Emotional Impairment 3 hrs
- \* SPGN 471 - Curriculum and Transitions for Secondary Special Education 3 hrs
- SPGN 689 - Supervised Internship in Special Education 6 hrs
- \* SPLI 468 - Education of Children with Learning Disabilities 2 hrs

### Endorsement with Core Course Total: 46 hours

#### Note:

\* These courses require formal admission to the Initial Teacher Preparation Program.

## Special Education - Curriculum Information

### Courses in General Education:

Undergraduate transcripts will be reviewed to determine completion of hours to be credited toward meeting a required 40 hours of general or liberal education. Additional course work may be necessary to meet this 40-hour requirement.

### Endorsement/Approval Sequence:

Students must be free from any probation, administrative or academic, before an internship or practicum experience is approved. The endorsement sequence is independent from a degree program. Completion of the minimum degree requirements does not guarantee endorsement and the completion of endorsement requirements do not result in the awarding of a degree. It is important for SEM-T students to meet with their graduate adviser to develop a program of study to meet certification, endorsement and degree requirements.

## Undergraduate Courses for Graduate Credit: Special Education

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- SPCI 429 - Education for Teachers of Individuals with Mild Cognitive Impairment in Inclusive Settings 4 hrs
- SPCI 483 - Education of Students in Programs for Moderate or Severe Cognitive Impairment 4 hrs
- SPEI 401L - Programming, Methods and Curriculum for Elementary Students with Emotional Impairment 4 hrs
- SPGN 401 - International Teaching I (NEW COURSE) 6 hrs
- SPGN 402 - International Teaching II (NEW COURSE) 6 hrs
- SPGN 461 - Classroom Management and Intervention Strategies for Students with Disabilities 3 hrs
- SPGN 471 - Curriculum and Transitions for Secondary Special Education 3 hrs
- SPGN 481 - Assistive and Instructional Technology in Special Education 3 hrs
- SPGN 491 - Special Education Student Teaching and Seminar 12 hrs
- SPHI 436 - Speech Methods for Students with Hearing Impairment 3 hrs
- SPHI 437 - Adaptive Curriculum for Students with Hearing Impairment 3 hrs
- SPLI 468 - Education of Children with Learning Disabilities 2 hrs
- SPPI 412 - Ancillary Services and Health Procedures for Teachers of Physically Impaired 2 hrs
- SPPI 414 - Educational Strategies for Teachers of the Physically Impaired 4 hrs
- SPVI 464 - Methods of Teaching Children who are Blind 3 hrs
- SPVI 465 - Braille II: Nemeth Code 3 hrs
- SPVI 467 - Education of Children with Visual Impairment 2 hrs
- SPVI 469 - Technology for Persons with Visual Impairment 2 hrs

## Special Education Master's Program with Secondary Certification - Hearing Impairment (SMHS-SEM-T)

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The Department of Special Education offers a Master of Arts Degree with Teacher Certification (SEM-T) that encompasses the range and depth required to accommodate contemporary programs and service delivery systems. The program is designed to allow maximum flexibility in meeting the needs of individual students while maintaining the basic academic integrity implicit in a graduate program. Students in the SEM-T program earn a provisional teaching certificate in secondary education as well as an endorsement as a teacher of students with hearing impairment in addition to their Master of Arts Degree.

### Model

Eastern Michigan University's advanced professional education programs develop leaders who demonstrate reflective thought and scholarship within the context of a culturally diverse society. In addition, the master's-level programs in the Department of Special Education produce professionals with the comprehensive knowledge, skills and attitudes to deliver a continuum of habilitative/rehabilitative services to persons with special needs, and to their families, within a diverse society.

### Admission Requirements

1. Students must have taken the GRE.

2. Students must submit a Personal Statement.
3. Students must submit two letters of recommendation.
4. Students must submit documentation of passing scores on the Michigan Test of Teacher Certification (MTTC-Basic Skills).

### **Program Requirements (All Areas of Exceptionality Except Speech-Language Pathology)**

Graduate students seeking endorsements must:

1. Complete an appropriate program of study as planned with a graduate adviser for the program area;
2. Meet all other requirements of the Graduate School.

### **Exit Criteria**

Exit criteria involve achievement of the objectives for graduate study in special education listed previously, as demonstrated by:

1. Successful completion of all course work on program (minimum GPA of 3.0);
2. Successful completion of required practicum/internship;
3. Successful completion of independent study or thesis project.

[http://www.emich.edu/coe/sped/docs/sped\\_grad\\_student\\_teaching\\_app.pdf](http://www.emich.edu/coe/sped/docs/sped_grad_student_teaching_app.pdf)

## **Curricula**

Students in the SEM-T program must complete the requirements for a provisional certificate in secondary education as well as those for endorsement in special education. Students selecting Secondary Certification must select a teachable minor from the approved list, and students must pass the certification test related to the minor in order to be recommended for endorsement in the minor field. See the undergraduate catalog for information on these requirements.

A description of the initial Hearing Impairment endorsement sequence follows. Endorsement sequences for those already endorsed in one area of special education, but seeking additional endorsement(s), consist of different courses than listed here. Students should consult the appropriate graduate adviser.

An initial endorsement sequence generally consists of the following core special education classes, plus the specialty classes required by the specific program area. Students with teaching certificates are admitted to the professional preparation program at the time of admission to the graduate program in Special Education.

## **Special Education Core Courses: 27 hours**

- PSY 101 - General Psychology Lecture 3 hrs
- \* SPGN 390 - Measurement and Diagnosis in Special Education 3 hrs

AND

- PHED 578 - Motor Development and Learning 3 hrs
- \* SPGN 461 - Classroom Management and Intervention Strategies for Students with Disabilities 3 hrs
- \* SPGN 471 - Curriculum and Transitions for Secondary Special Education 3 hrs
- \* SPGN 481 - Assistive and Instructional Technology in Special Education 3 hrs

- SPGN 510 - Introduction to Inclusive Education and Disability Studies 3 hrs
- SPGN 615 - Social Psychology of Disability: Family, School, and Society 3 hrs
- SPLI 673 - Language: Acquisition, Disorders, Evaluation 3 hrs

**Program Total: 27 hours**

**Courses Required for Initial Endorsement:**

**Teachers of Students with Hearing Impairment (SMHS):**

Prospective students should be aware that the basic philosophy of the program is oral communication; students are exposed to manual communication during their course of study, however.

All students are considered provisional majors until such time as they successfully complete SPHI 391 - Language for Students with Hearing Impairment and pass a language proficiency examination. SPLI 673 listed below is **not** required in this program.

**Special Education Core Courses: 30 hours**

- PSY 101 - General Psychology Lecture 3 hrs
- \* SPGN 390 - Measurement and Diagnosis in Special Education 3 hrs

AND

- PHED 578 - Motor Development and Learning 3 hrs
- \* SPGN 461 - Classroom Management and Intervention Strategies for Students with Disabilities 3 hrs
- \* SPGN 471 - Curriculum and Transitions for Secondary Special Education 3 hrs
- \* SPGN 481 - Assistive and Instructional Technology in Special Education 3 hrs
- SPGN 510 - Introduction to Inclusive Education and Disability Studies 3 hrs
- SPGN 615 - Social Psychology of Disability: Family, School, and Society 3 hrs
- SPGN 694 - Seminar: Interdisciplinary Special Education 3 hrs
- SPLI 673 - Language: Acquisition, Disorders, Evaluation 3 hrs

**Courses Required for Initial Endorsement: 31 hours**

- SPHI 375 - Fundamentals of Sign Communication 2 hrs
- \* SPHI 387 - Introductory Practicum - Students with Hearing Impairment 1 hr
- \* SPHI 391 - Language for Students with Hearing Impairment 3 hrs
- SPHI 392 - Introduction to Audiology 3 hrs
- SPHI 394 - Aural Habilitation Rehabilitation 3 hrs
- SPHI 435 - Phonetics and Hearing Impairment 3 hrs
- \* SPHI 487 - Speech Practicum - Students with Hearing Impairment 1 hr



- SPSI 337 - Language Acquisition 3 hrs

AND

- SPGN 689 - Supervised Internship in Special Education 6 hrs
- \* SPHI 436 - Speech Methods for Students with Hearing Impairment 3 hrs
- \* SPHI 437 - Adaptive Curriculum for Students with Hearing Impairment 3 hrs

**Endorsement with Core Course Total: 58 hours**

## Note:

\* These courses require formal admission to the Initial Teacher Preparation Program.

## Special Education - Curriculum Information

### Courses in General Education:

Undergraduate transcripts will be reviewed to determine completion of hours to be credited toward meeting a required 40 hours of general or liberal education. Additional course work may be necessary to meet this 40-hour requirement.

### Endorsement/Approval Sequence:

Students must be free from any probation, administrative or academic, before an internship or practicum experience is approved. The endorsement sequence is independent from a degree program. Completion of the minimum degree requirements does not guarantee endorsement and the completion of endorsement requirements do not result in the awarding of a degree. It is important for SEM-T students to meet with their graduate adviser to develop a program of study to meet certification, endorsement and degree requirements.

## Undergraduate Courses for Graduate Credit: Special Education

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- SPCI 429 - Education for Teachers of Individuals with Mild Cognitive Impairment in Inclusive Settings 4 hrs
- SPCI 483 - Education of Students in Programs for Moderate or Severe Cognitive Impairment 4 hrs
- SPEI 401L - Programming, Methods and Curriculum for Elementary Students with Emotional Impairment 4 hrs
- SPGN 401 - International Teaching I (NEW COURSE) 6 hrs
- SPGN 402 - International Teaching II (NEW COURSE) 6 hrs
- SPGN 461 - Classroom Management and Intervention Strategies for Students with Disabilities 3 hrs
- SPGN 471 - Curriculum and Transitions for Secondary Special Education 3 hrs
- SPGN 481 - Assistive and Instructional Technology in Special Education 3 hrs
- SPGN 491 - Special Education Student Teaching and Seminar 12 hrs
- SPHI 436 - Speech Methods for Students with Hearing Impairment 3 hrs
- SPHI 437 - Adaptive Curriculum for Students with Hearing Impairment 3 hrs

- SPLI 468 - Education of Children with Learning Disabilities 2 hrs
- SPPI 412 - Ancillary Services and Health Procedures for Teachers of Physically Impaired 2 hrs
- SPPI 414 - Educational Strategies for Teachers of the Physically Impaired 4 hrs
- SPVI 464 - Methods of Teaching Children who are Blind 3 hrs
- SPVI 465 - Braille II: Nemeth Code 3 hrs
- SPVI 467 - Education of Children with Visual Impairment 2 hrs
- SPVI 469 - Technology for Persons with Visual Impairment 2 hrs

## **Special Education Master's Program with Secondary Certification - Physical & Other Health Impairment (SMPS-SEM-T)**

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The Department of Special Education offers a Master of Arts Degree with Teacher Certification (SEM-T) that encompasses the range and depth required to accommodate contemporary programs and service delivery systems. The program is designed to allow maximum flexibility in meeting the needs of individual students while maintaining the basic academic integrity implicit in a graduate program. Students in the SEM-T program earn a provisional teaching certificate in secondary education as well as an endorsement as a teacher of students with physical and other health impairments in addition to their Master of Arts Degree.

### **Model**

Eastern Michigan University's advanced professional education programs develop leaders who demonstrate reflective thought and scholarship within the context of a culturally diverse society. In addition, the master's-level programs in the Department of Special Education produce professionals with the comprehensive knowledge, skills and attitudes to deliver a continuum of habilitative/rehabilitative services to persons with special needs, and to their families, within a diverse society.

### **Admission Requirements**

1. Students must have taken the GRE.
2. Students must submit a Personal Statement.
3. Students must submit two letters of recommendation.
4. Students must submit documentation of passing scores on the Michigan Test of Teacher Certification (MTTC-Basic Skills).

### **Program Requirements (All Areas of Exceptionality Except Speech-Language Pathology)**

Graduate students seeking endorsements must:

1. Complete an appropriate program of study as planned with a graduate adviser for the program area;
2. Meet all other requirements of the Graduate School.

### **Exit Criteria**

Exit criteria involve achievement of the objectives for graduate study in special education listed previously, as demonstrated by:

1. Successful completion of all course work on program (minimum GPA of 3.0);
2. Successful completion of required practicum/internship;

3. Successful completion of independent study or thesis project.

[http://www.emich.edu/coe/sped/docs/sped\\_grad\\_student\\_teaching\\_app.pdf](http://www.emich.edu/coe/sped/docs/sped_grad_student_teaching_app.pdf)

## Curricula

Students in the SEM-T program must complete the requirements for a provisional certificate in secondary education as well as those for endorsement in special education. Students selecting Secondary Certification must select a teachable minor from the approved list, and students must pass the certification test related to the minor in order to be recommended for endorsement in the minor field. See the undergraduate catalog for information on these requirements.

A description of the initial Physical & Other Health Impairment endorsement sequence follows. Endorsement sequences for those already endorsed in one area of special education, but seeking additional endorsement(s), consist of different courses than listed here. Students should consult the appropriate graduate adviser.

An initial endorsement sequence generally consists of the following core special education classes, plus the specialty classes required by the specific program area. Students with teaching certificates are admitted to the professional preparation program at the time of admission to the graduate program in Special Education.

### Special Education Core Courses: 27 hours

- PSY 101 - General Psychology Lecture 3 hrs
- \* SPGN 390 - Measurement and Diagnosis in Special Education 3 hrs

AND

- PHED 578 - Motor Development and Learning 3 hrs
- \* SPGN 461 - Classroom Management and Intervention Strategies for Students with Disabilities 3 hrs
- \* SPGN 471 - Curriculum and Transitions for Secondary Special Education 3 hrs
- \* SPGN 481 - Assistive and Instructional Technology in Special Education 3 hrs
- SPGN 510 - Introduction to Inclusive Education and Disability Studies 3 hrs
- SPGN 615 - Social Psychology of Disability: Family, School, and Society 3 hrs
- SPLI 673 - Language: Acquisition, Disorders, Evaluation 3 hrs

**Program Total: 27 hours**

**Courses Required for Initial Endorsement:**

**Teachers of Students with Physical & Other Health Impairment (SMPS):**

**Special Education Core Courses: 27 hours**

- PSY 101 - General Psychology Lecture 3 hrs
- \* SPGN 390 - Measurement and Diagnosis in Special Education 3 hrs

AND

- PHED 578 - Motor Development and Learning 3 hrs
- \* SPGN 461 - Classroom Management and Intervention Strategies for Students with Disabilities 3 hrs
- \* SPGN 481 - Assistive and Instructional Technology in Special Education 3 hrs
- SPGN 510 - Introduction to Inclusive Education and Disability Studies 3 hrs
- SPGN 615 - Social Psychology of Disability: Family, School, and Society 3 hrs
- SPGN 694 - Seminar: Interdisciplinary Special Education 3 hrs
- SPLI 673 - Language: Acquisition, Disorders, Evaluation 3 hrs

### Courses Required for Initial Endorsement: 31 hours

- SPPI 240 - Preclinical Experiences - POHI 3 hrs
- SPPI 310 - Developmental Sciences for Teachers of the Physically and Health Impaired 4 hrs
- SPPI 360 - Pathology of Physical and Health Impairments 3 hrs

AND

- SPCI 557 - Cognitive Impairment Theory 4 hrs
- \* SPGN 471 - Curriculum and Transitions for Secondary Special Education 3 hrs
- SPGN 689 - Supervised Internship in Special Education 6 hrs
- \* SPLI 468 - Education of Children with Learning Disabilities 2 hrs
- \* SPPI 412 - Ancillary Services and Health Procedures for Teachers of Physically Impaired 2 hrs
- \* SPPI 414 - Educational Strategies for Teachers of the Physically Impaired 4 hrs

### Endorsement with Core Courses Total: 58 hours

#### Note:

\* These courses require formal admission to the Initial Teacher Preparation Program.

## Special Education - Curriculum Information

### Courses in General Education:

Undergraduate transcripts will be reviewed to determine completion of hours to be credited toward meeting a required 40 hours of general or liberal education. Additional course work may be necessary to meet this 40-hour requirement.

### Endorsement/Approval Sequence:

Students must be free from any probation, administrative or academic, before an internship or practicum experience is approved. The endorsement sequence is independent from a degree program. Completion of the minimum degree requirements does not guarantee endorsement and the completion of endorsement requirements do not result in the awarding of a degree. It is important for SEM-T students to meet with their graduate adviser to develop a program of study to meet certification, endorsement and degree requirements.

## Undergraduate Courses for Graduate Credit: Special Education

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- SPCI 429 - Education for Teachers of Individuals with Mild Cognitive Impairment in Inclusive Settings 4 hrs
- SPCI 483 - Education of Students in Programs for Moderate or Severe Cognitive Impairment 4 hrs
- SPEI 401L - Programming, Methods and Curriculum for Elementary Students with Emotional Impairment 4 hrs
- SPGN 401 - International Teaching I (NEW COURSE) 6 hrs
- SPGN 402 - International Teaching II (NEW COURSE) 6 hrs
- SPGN 461 - Classroom Management and Intervention Strategies for Students with Disabilities 3 hrs
- SPGN 471 - Curriculum and Transitions for Secondary Special Education 3 hrs
- SPGN 481 - Assistive and Instructional Technology in Special Education 3 hrs
- SPGN 491 - Special Education Student Teaching and Seminar 12 hrs
- SPHI 436 - Speech Methods for Students with Hearing Impairment 3 hrs
- SPHI 437 - Adaptive Curriculum for Students with Hearing Impairment 3 hrs
- SPLI 468 - Education of Children with Learning Disabilities 2 hrs
- SPPI 412 - Ancillary Services and Health Procedures for Teachers of Physically Impaired 2 hrs
- SPPI 414 - Educational Strategies for Teachers of the Physically Impaired 4 hrs
- SPVI 464 - Methods of Teaching Children who are Blind 3 hrs
- SPVI 465 - Braille II: Nemeth Code 3 hrs
- SPVI 467 - Education of Children with Visual Impairment 2 hrs
- SPVI 469 - Technology for Persons with Visual Impairment 2 hrs

## **Special Education Master's Program with Secondary Certification - Visual Impairment (SMVS-SEM-T)**

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The Department of Special Education offers a Master of Arts Degree with Teacher Certification (SEM-T) that encompasses the range and depth required to accommodate contemporary programs and service delivery systems. The program is designed to allow maximum flexibility in meeting the needs of individual students while maintaining the basic academic integrity implicit in a graduate program. Students in the SEM-T program earn a provisional teaching certificate in secondary education as well as an endorsement as a teacher of students with visual impairment in addition to their Master of Arts Degree.

### **Model**

Eastern Michigan University's advanced professional education programs develop leaders who demonstrate reflective thought and scholarship within the context of a culturally diverse society. In addition, the master's-level programs in the Department of Special Education produce professionals with the comprehensive knowledge, skills and attitudes to deliver a continuum of habilitative/rehabilitative services to persons with special needs, and to their families, within a diverse society.

### **Admission Requirements**

1. Students must have taken the GRE.
2. Students must submit a Personal Statement.

3. Students must submit two letters of recommendation.
4. Students must submit documentation of passing scores on the Michigan Test of Teacher Certification (MTTC-Basic Skills).

### **Program Requirements (All Areas of Exceptionality Except Speech-Language Pathology)**

Graduate students seeking endorsements must:

1. Complete an appropriate program of study as planned with a graduate adviser for the program area;
2. Meet all other requirements of the Graduate School.

### **Exit Criteria**

Exit criteria involve achievement of the objectives for graduate study in special education listed previously, as demonstrated by:

1. Successful completion of all course work on program (minimum GPA of 3.0);
2. Successful completion of required practicum/internship;
3. Successful completion of independent study or thesis project.

[http://www.emich.edu/coe/sped/docs/sped\\_grad\\_student\\_teaching\\_app.pdf](http://www.emich.edu/coe/sped/docs/sped_grad_student_teaching_app.pdf)

## **Curricula**

Students in the SEM-T program must complete the requirements for a provisional certificate in secondary education as well as those for endorsement in special education. Students selecting Secondary Certification must select a teachable minor from the approved list, and students must pass the certification test related to the minor in order to be recommended for endorsement in the minor field. See the undergraduate catalog for information on these requirements.

A description of the initial Visual Impairment endorsement sequence follows. Endorsement sequences for those already endorsed in one area of special education, but seeking additional endorsement(s), consist of different courses than listed here. Students should consult the appropriate graduate adviser.

An initial endorsement sequence generally consists of the following core special education classes, plus the specialty classes required by the specific program area. Students with teaching certificates are admitted to the professional preparation program at the time of admission to the graduate program in Special Education.

## **Special Education Core Courses: 27 hours**

- PSY 101 - General Psychology Lecture 3 hrs
- \* SPGN 390 - Measurement and Diagnosis in Special Education 3 hrs

AND

- PHED 578 - Motor Development and Learning 3 hrs
- \* SPGN 461 - Classroom Management and Intervention Strategies for Students with Disabilities 3 hrs
- \* SPGN 471 - Curriculum and Transitions for Secondary Special Education 3 hrs
- \* SPGN 481 - Assistive and Instructional Technology in Special Education 3 hrs
- SPGN 510 - Introduction to Inclusive Education and Disability Studies 3 hrs
- SPGN 615 - Social Psychology of Disability: Family, School, and Society 3 hrs

- SPLI 673 - Language: Acquisition, Disorders, Evaluation 3 hrs

**Program Total: 27 hours**

**Courses Required for Initial Endorsement:**

**Teachers of Students with Visual Impairment (SMVS):**

**Special Education Core Courses: 30 hours**

- PSY 101 - General Psychology Lecture 3 hrs
- \* SPGN 390 - Measurement and Diagnosis in Special Education 3 hrs

AND

- PHED 578 - Motor Development and Learning 3 hrs
- \* SPGN 461 - Classroom Management and Intervention Strategies for Students with Disabilities 3 hrs
- \* SPGN 471 - Curriculum and Transitions for Secondary Special Education 3 hrs
- \* SPGN 481 - Assistive and Instructional Technology in Special Education 3 hrs
- SPGN 510 - Introduction to Inclusive Education and Disability Studies 3 hrs
- SPGN 615 - Social Psychology of Disability: Family, School, and Society 3 hrs
- SPGN 694 - Seminar: Interdisciplinary Special Education 3 hrs
- SPLI 673 - Language: Acquisition, Disorders, Evaluation 3 hrs

**Courses Required for Initial Endorsement: 26 hours**

- SPVI 365 - Braille 3 hrs
- SPVI 366 - The Eye and Vision - Anatomy and Physiology 2 hrs
- SPVI 368 - Mobility Training for Persons with Visual Impairment 2 hrs
- SPVI 369 - Community Considerations for Persons with Visual Impairment 3 hrs

AND

- SPGN 689 - Supervised Internship in Special Education 6 hrs
- \* SPVI 464 - Methods of Teaching Children who are Blind 3 hrs
- \* SPVI 465 - Braille II: Nemeth Code 3 hrs
- \* SPVI 467 - Education of Children with Visual Impairment 2 hrs
- \* SPVI 469 - Technology for Persons with Visual Impairment 2 hrs

**Endorsement with Core Courses Total: 56 hours**

**Note:**

\* These courses require formal admission to the Initial Teacher Preparation Program.

## Special Education - Curriculum Information

### Courses in General Education:

Undergraduate transcripts will be reviewed to determine completion of hours to be credited toward meeting a required 40 hours of general or liberal education. Additional course work may be necessary to meet this 40-hour requirement.

### Endorsement/Approval Sequence:

Students must be free from any probation, administrative or academic, before an internship or practicum experience is approved. The endorsement sequence is independent from a degree program. Completion of the minimum degree requirements does not guarantee endorsement and the completion of endorsement requirements do not result in the awarding of a degree. It is important for SEM-T students to meet with their graduate adviser to develop a program of study to meet certification, endorsement and degree requirements.

### Undergraduate Courses for Graduate Credit: Special Education

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- SPCI 429 - Education for Teachers of Individuals with Mild Cognitive Impairment in Inclusive Settings 4 hrs
- SPCI 483 - Education of Students in Programs for Moderate or Severe Cognitive Impairment 4 hrs
- SPEI 401L - Programming, Methods and Curriculum for Elementary Students with Emotional Impairment 4 hrs
- SPGN 401 - International Teaching I (NEW COURSE) 6 hrs
- SPGN 402 - International Teaching II (NEW COURSE) 6 hrs
- SPGN 461 - Classroom Management and Intervention Strategies for Students with Disabilities 3 hrs
- SPGN 471 - Curriculum and Transitions for Secondary Special Education 3 hrs
- SPGN 481 - Assistive and Instructional Technology in Special Education 3 hrs
- SPGN 491 - Special Education Student Teaching and Seminar 12 hrs
- SPHI 436 - Speech Methods for Students with Hearing Impairment 3 hrs
- SPHI 437 - Adaptive Curriculum for Students with Hearing Impairment 3 hrs
- SPLI 468 - Education of Children with Learning Disabilities 2 hrs
- SPPI 412 - Ancillary Services and Health Procedures for Teachers of Physically Impaired 2 hrs
- SPPI 414 - Educational Strategies for Teachers of the Physically Impaired 4 hrs
- SPVI 464 - Methods of Teaching Children who are Blind 3 hrs
- SPVI 465 - Braille II: Nemeth Code 3 hrs
- SPVI 467 - Education of Children with Visual Impairment 2 hrs
- SPVI 469 - Technology for Persons with Visual Impairment 2 hrs

## Specialist

### Specialist of Arts in Special Education (SP)



Adviser (Students Last Names A-L): John Palladino, Ph.D.  
128 Porter  
734.487.3300  
jpalladi@emich.edu

Adviser (Students Last Names M-Z): Steven Camron, J.D.  
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### **Program Advising**

The Department of Special Education offers a specialist of arts degree designed to prepare highly qualified leadership personnel in two general areas of study:

1. Administration and supervision of special education programs; and
2. Curriculum development/assistive technology.

### **Model**

Eastern Michigan University's advanced professional education programs support inquiry, advocacy and leadership in education for a diverse and democratic society. In addition, the master's level programs in the Department of Special Education produce professionals with the comprehensive knowledge, skills and attitudes to deliver a continuum of habilitative/rehabilitative services to persons with special needs, and to their families, within a diverse society.

### **Admission Requirements**

The graduate student seeking admission to this degree program is required to:

1. Meet the Graduate School admission requirements;
2. Possess a master's degree from a regionally accredited college or university, with a minimum 3.3 GPA;
3. Have three years of documented professional experience in special education;
4. Have an endorsement in one area of special education;
5. Submit two letters of recommendation to include one letter verifying three years of successful professional experience in special education, and one letter from a faculty member or other person knowledgeable of candidate's academic competence;
6. Have a successful personal interview;
7. Achieve an acceptable score on the Graduate Record Examination; and
8. In the case of International students, provide a score of 90 on the Michigan English Language Assessment Battery (MELAB).

### **Program Requirements**

The program requirements for the Specialist of Arts degree include:

1. Completion of a minimum of 33 hours beyond the master's degree;
2. Achievement of an overall GPA of 3.3 (B+) or better;
3. Recommendation from the Specialist's degree committee for continuance in the program. This is to be done upon completion of 12-15 hours of course work, and before internship and thesis or independent study. The committee will consider GPA, faculty recommendations, demonstrated competence in academic and professional work, and rate of

progress in the program. Students must demonstrate behaviors that indicate stability, maturity, understanding and aptitude as judged necessary for predicted success as a Specialist in special education administration/curriculum;

4. Successful completion of an internship;
5. Achievement of passing scores on oral and written examinations near the completion of the program; and
6. Completion of all other requirements of the Office of Graduate Studies and Research.

#### **Exit Criteria**

Criteria are to meet all the objectives listed previously for graduate study in special education, as demonstrated by successful completion of:

1. All course work in program of study (minimum GPA of 3.3);
2. Approved internship;
3. Thesis or independent study; and
4. Oral and written examinations.

[http://www.emich.edu/coe/sped/docs/sped\\_grad\\_student\\_teaching\\_app.pdf](http://www.emich.edu/coe/sped/docs/sped_grad_student_teaching_app.pdf)

## **Specialist Program**

### **Required Courses: 20 hours**

- EDPS 667 - Principles of Educational Research 3 hrs
- SPGN 615 - Social Psychology of Disability: Family, School, and Society 3 hrs
- SPGN 619 - Administration and Supervision of Special Education 3 hrs
- SPGN 621 - Law and Public Policy for Individuals with Disabilities 3 hrs
- SPGN 632 - Models and Skills for Special and General Education Collaboration 2 hrs
- SPGN 719 - Advanced Seminar: Special Education Administration 3 hrs

### **One course from the following:**

- SPGN 630 - Integrated Curriculum in Special Education: Math and Motor Skills Development 3 hrs
- SPLI 672 - Integrated Curriculum in Special Education: Linguistics and Language Arts 3 hrs

### **Concentration Courses: 13 hours**

Select from either option I or option II:

#### **Option I: Administrative Strand (SPAD)**

*Thirteen hours selected in consultation with the graduate adviser.*

#### **Option II: Curriculum/Assistive Technology Strand (SPCD)**

*Thirteen hours selected in consultation with the graduate adviser.*

## Culminating Experience: 8 hours

*Required by all specialist's degree candidates:*

- Thesis/Independent Study (4 hrs)
- SPGN 789 - Specialist Internship in Special Education 4 hrs

## Program Total: 33 hours

## Undergraduate Courses for Graduate Credit: Special Education

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- SPCI 429 - Education for Teachers of Individuals with Mild Cognitive Impairment in Inclusive Settings 4 hrs
- SPCI 483 - Education of Students in Programs for Moderate or Severe Cognitive Impairment 4 hrs
- SPEI 401L - Programming, Methods and Curriculum for Elementary Students with Emotional Impairment 4 hrs
- SPGN 401 - International Teaching I (NEW COURSE) 6 hrs
- SPGN 402 - International Teaching II (NEW COURSE) 6 hrs
- SPGN 461 - Classroom Management and Intervention Strategies for Students with Disabilities 3 hrs
- SPGN 471 - Curriculum and Transitions for Secondary Special Education 3 hrs
- SPGN 481 - Assistive and Instructional Technology in Special Education 3 hrs
- SPGN 491 - Special Education Student Teaching and Seminar 12 hrs
- SPHI 436 - Speech Methods for Students with Hearing Impairment 3 hrs
- SPHI 437 - Adaptive Curriculum for Students with Hearing Impairment 3 hrs
- SPLI 468 - Education of Children with Learning Disabilities 2 hrs
- SPPI 412 - Ancillary Services and Health Procedures for Teachers of Physically Impaired 2 hrs
- SPPI 414 - Educational Strategies for Teachers of the Physically Impaired 4 hrs
- SPVI 464 - Methods of Teaching Children who are Blind 3 hrs
- SPVI 465 - Braille II: Nemeth Code 3 hrs
- SPVI 467 - Education of Children with Visual Impairment 2 hrs
- SPVI 469 - Technology for Persons with Visual Impairment 2 hrs

## Autism

### **SPAI 620 - Dimensions of Autism Spectrum Disorders (ASD)**

The focus of this course will be to introduce students to information and literature regarding characteristics of ASD and Aspergers Syndrome (AS), its prevalence, theories on etiology, evidence based intervention models, formal and informal models of assessment and its impact on schools.

**Credit Hours:** 3 hrs

**Prerequisites:** departmental permission

## **SPAI 630 - Issues in Assessment and Interventions in Autism Spectrum Disorders (ASD)**

This course will highlight research regarding ASD, diagnostic criteria used to identify persons with ASD, assessment and interventions that are Evidence Based. The role of the family in the assessment and intervention process will also be explored. The course will create a framework for understanding and implementing effective interventions, profiling the strengths and challenges of each intervention. Students will learn the need for collaborative, family-centered approaches to assessment and interventions.

**Credit Hours:** 3 hrs

**Prerequisites:** departmental permission

## **SPAI 635 - Language and Communication in Autism Spectrum Disorders (ASD)**

This course examines the critical relationship of language and communication skills for children and adolescents with ASD, including the characteristics of speech and language and communication development and strategies for assessing and improving communication in the classroom, at home and in the community.

**Credit Hours:** 3 hrs

## **SPAI 640 - Principles of Positive Behavioral Supports (PBS) for Students with ASD in Universal Design for Learning (UDL)**

The purpose of this course is to provide class participants with the knowledge and skills necessary to develop, implement and evaluate the impact of PBS for the individual and their system of support. It will include understanding the role of communication in challenging behavior, identifying the functions of those behaviors, measuring behaviors, taking baseline data, teaching new skills that serve the same function in the challenging behavior and preventing the reoccurrence of those behaviors and the graphic representation of the PBS process.

**Credit Hours:** 3 hrs

**Prerequisites:** departmental permission

## **SPAI 645 - Curriculum and Instructional Strategies in ASD**

Identification of best practices in curriculum design, instructional strategies and techniques are the pivotal components of this course. Students will investigate Universal Design for Learning (UDL) and will develop curricular framework which support the unique learning styles of students with ASD and which permit students the greatest access to education within inclusive settings.

**Credit Hours:** 3 hrs

**Prerequisites:** departmental permission

## **SPAI 650 - Visual Supports and Literacy in ASD**

Participants will demonstrate how the learning, communication, socialization skills and behavioral challenges of students with ASD can be addressed through the use of visual supports and other forms of literacy. Students will understand the relationship between unsupported learning for students with ASD and learn to use visual schedules and other forms of visual support.

**Credit Hours:** 3 hrs

**Prerequisites:** departmental permission

## **SPAI 660 - ASD and the Sensory Process**

This course will examine the issues of sensory processing that impacts behavior and performance in persons with ASD, including their personal stories. The underlying neural substrates that impact regulation and reactivity to stimuli will be explored. Sensory based strategies that support participation and engagement will be discussed.

**Credit Hours:** 2 hrs

**Prerequisites:** departmental permission

## **Cognitive Impairment**

### **SPCI 429 - Education for Teachers of Individuals with Mild Cognitive Impairment in Inclusive Settings**

Philosophy of education, curriculum, assessment, teaching methods and classroom management techniques for students with mild cognitive impairment across the K-12 spectrum. A three-hour per week field experience is an integral component of the course.

**Credit Hours:** 4 hrs

**Prerequisites:** SPCI 240, SPCI 350L and admission to the Initial Teacher Preparation Program

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

### **SPCI 483 - Education of Students in Programs for Moderate or Severe Cognitive Impairment**

Philosophy, curriculum, assessment, teaching methods and classroom management techniques for students with moderate or severe cognitive impairment, or with multiple impairments. A three-hour per week field experience is an integral component of the course.

**Credit Hours:** 4 hrs

**Prerequisites:** SPGN 240, SPCI 350 and SPGN 461; admission to the Initial Teacher Preparation Program

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

### **SPCI 500 - Professional Educator Development Program**

For in-service professional and personal development. Not applicable to an advanced degree.

**Credit Hours:** 1/2/3 hrs

**Repeatable:** May be repeated for credit.

### **SPCI 557 - Cognitive Impairment Theory**

This course introduces students to the field of cognitive impairments and related developmental disabilities from perspectives of different systems. Focus is on the medical, historical, political, educational and adult systems that affect persons with cognitive impairment. The range of philosophies influencing educational practices and life management will be discussed.

**Credit Hours:** 4 hrs

**Prerequisites:** SPGN 251 or SPGN 510; program admission

**Notes:** A field component is required.

**Last Updated:** Links 05/2011

### **SPCI 590 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **SPCI 591 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hr

**Prerequisites:** department permission

### **SPCI 592 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **SPCI 597 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **SPCI 598 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **SPCI 599 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **SPCI 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through Continuous Enrollment. Enrollment enables access to library, health services and other resources.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Notes:** Credit will not apply toward degree completion.

**Terms Offered:** Offered on a credit/no-credit basis.

### **SPCI 679 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **SPCI 680 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **SPCI 681 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **SPCI 683 - Workshop**

Students will be provided practical and theoretical study in a selected topic area.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **SPCI 694 - Seminar: Cognitive Impairment**

A review and discussion of contemporary problems and issues related to the field. Recent developments and practices are critically analyzed. Course includes resource speakers and assigned topics for individual students/groups. Course offered on a credit/no-credit basis

**Credit Hours:** 2 hrs

**Prerequisites:** eight graduate hours in special education

**Terms Offered:** Offered on a credit/no-credit basis.

### **SPCI 697 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **SPCI 698 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **SPCI 699 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **Emotional Impairment**

### **SPEI 401L - Programming, Methods and Curriculum for Elementary Students with Emotional Impairment**

Teaching methods, techniques and materials for educating elementary age children with emotional impairments will be presented. In addition, types of programs serving elementary age students with emotional impairment, as well as the individualized education program and federal and state rules governing the programs will be discussed.

**Credit Hours:** 4 hrs

**Prerequisites:** SPGN 390, SPGN 461, SPEI 301 and admission to the Initial Teacher Preparation Program

**Major Restrictions:** Emotional Impairment majors only

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

### **SPEI 500 - Professional Educator Development Program**

For in-service professional and personal development. Not applicable to an advanced degree.

**Credit Hours:** 1/2/3 hrs

**Repeatable:** May be repeated for credit.

### **SPEI 510 - Theories of Emotional-Behavioral Impairments**

Theories about the etiology of emotional-behavioral impairments is explored and applied to cases that involve children and adolescents. Emphasis is on the ability to analyze abnormal behaviors discussed in a variety of texts from different theoretical



perspectives for the purpose of identifying appropriate intervention treatments. A field component is required.

**Credit Hours:** 4 hrs

**Prerequisites:** Program Admission in EI or LD

### **SPEI 590 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **SPEI 591 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **SPEI 592 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **SPEI 597 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **SPEI 598 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **SPEI 599 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **SPEI 630 - Introduction to Autism**

This course introduces the student to the definition of the syndrome of autism and the various theories with regard to cause and treatment. The student also is given an overview of the unique problems encountered in intervention strategies and techniques.

**Credit Hours:** 2 hrs

**Class Restrictions:** Graduate standing and department permission

### **SPEI 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Notes:** Credit will not apply toward degree completion.

**Terms Offered:** Offered on a credit/no-credit basis.

### **SPEI 679 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **SPEI 680 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **SPEI 681 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **SPEI 694 - Seminar: Students with Emotional Impairment**

Review and discussion of contemporary issues in the education of students with emotional impairment. Students develop a research proposal for the capstone experience. Course offered on a credit/no-credit basis

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **SPEI 697 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **SPEI 698 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **SPEI 699 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **Hearing Impairment**

### **SPHI 436 - Speech Methods for Students with Hearing Impairment**

Methods of assessment and intervention in the development of intelligible connected speech in persons with hearing impairments.

**Credit Hours:** 3 hrs

**Prerequisites:** SPHI 435 ; admission to the Initial Teacher Preparation Program

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

### **SPHI 437 - Adaptive Curriculum for Students with Hearing Impairment**

Principles and methods of teaching academic subjects to students with hearing impairments. Classroom procedures and materials especially designed for students with hearing impairments, as well as the adaptation of regular curricula and materials will be presented.

**Credit Hours:** 3 hrs

**Prerequisites:** SPHI 391; admission to the Initial Teacher Preparation Program

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

## **SPHI 500 - Professional Educator Development Program**

For in-service professional and personal development. Not applicable to an advanced degree.

**Credit Hours:** 1/2/3 hrs

**Repeatable:** May be repeated for credit.

## **SPHI 528 - Education of Students with Hearing Impairment**

Designed to cover the history of the education of persons with hearing impairments, and to provide an overview of educational programming, psychological adjustment, parenting counseling, communication methods, and various philosophical approaches to the education of person with hearing impairment.

**Credit Hours:** 3 hrs

**Prerequisites:** SPGN 510

**Major Restrictions:** Hearing Impairment Area

**Last Updated:** New course 11/2012, effective Winter 2013

## **SPHI 590 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **SPHI 591 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **SPHI 592 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **SPHI 597 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **SPHI 598 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **SPHI 599 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **SPHI 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Notes:** Credit will not apply toward degree completion.

**Terms Offered:** Offered on a credit/no-credit basis.

## **SPHI 679 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **SPHI 680 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **SPHI 681 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **SPHI 689 - Internship**

A directed field experience in a department-approved agency or institution under the direction of certified personnel. Arrangements must be approved by adviser prior to registration.

**Credit Hours:** 4 hrs

**Prerequisites:** department permission

## **SPHI 697 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **SPHI 698 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **SPHI 699 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **Learning-Disabilities**

### **SPLI 468 - Education of Children with Learning Disabilities**

A study of educational and psychological problems of children with neurological and perceptual defects. Theories as they relate to the central nervous system, teaching techniques, classroom management, case studies, research and teacher-child and parent relationships will be reviewed.

**Credit Hours:** 2 hrs

**Prerequisites:** SPGN 251 or SPGN 510; admission to the Initial Teacher Preparation Program

**Class Restrictions:** Senior standing

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

### **SPLI 500 - Professional Educator Development Program**

For in-service professional and personal development. Not applicable to an advanced degree.

**Credit Hours:** 1/2/3 hrs

**Repeatable:** May be repeated for credit.

## **SPLI 590 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **SPLI 591 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **SPLI 592 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **SPLI 597 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **SPLI 598 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **SPLI 599 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **SPLI 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Notes:** Credit will not apply toward degree completion.

**Terms Offered:** Offered on a credit/no-credit basis.

## **SPLI 672 - Integrated Curriculum in Special Education: Linguistics and Language Arts**

This course focuses on the development of effective decision-making strategies in the selection of appropriate teaching/learning approaches in linguistics and language arts. Students will explore selection, uses and evaluation of a broad base of instructional methods and strategies addressing the needs of K–12 students with disabilities.

**Credit Hours:** 3 hrs

**Prerequisites:** SPLI 678

**Last Updated:** Links 05/2011

## **SPLI 673 - Language: Acquisition, Disorders, Evaluation**

This course presents information concerning normal language acquisition, descriptions of disorders of language development in students with disabilities, formal and informal assessment techniques used by speech/language pathologists, classroom evaluation techniques, guidelines for referral for appropriate services and intervention activities for the classroom.

**Credit Hours:** 3 hrs

**Prerequisites:** SPLI 468 or equivalent

**Last Updated:** Links 05/2011

## **SPLI 678 - Assessment and Advanced Diagnostic Prescriptive Programming for Students with Learning Disabilities**

This course will emphasize data based procedures and applications of human development, learning, behavioral, cognitive and dynamic theories to assessment in special education. Appropriate decision-making strategies relative to educational and instructional development are stressed. The administration and interpretation of assessment techniques is included. Application of this information to the law, best practices, theory and individual needs is reviewed.

**Credit Hours:** 4 hrs

**Prerequisites:** admission to the graduate program in Special Education, SPGN 390, and department permission

**Last Updated:** Links 05/2011

## **SPLI 679 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **SPLI 680 - Special Topics**



An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **SPLI 681 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **SPLI 693 - Learning Disabilities Practicum**

This course involves an intensive study of children with learning and behavior problems. Evaluation, planning, diagnostic teaching, consultation and prescriptive writing are included.

**Credit Hours:** 4 hrs

**Prerequisites:** department permission

### **SPLI 697 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **SPLI 698 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **SPLI 699 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **SPLI 712 - Research Colloquium: Learning Disabilities**

An examination of current research dealing with theoretical and therapeutic implications for children and adults with learning disabilities and their families. Individual investigation and presentation required.

**Credit Hours:** 2 hrs

**Prerequisites:** SPLI 251, SPLI 468, Department permission

**Last Updated:** Links 05/2011

## **Physical Impairment of Other Health Impairment**

### **SPPI 412 - Ancillary Services and Health Procedures for Teachers of Physically Impaired**

Information concerning the individual disciplines that provide ancillary services to physically and health impaired students. Skills involving the use of adaptive equipment, manipulation of orthotics, and implementation of health intervention and maintenance procedures will be learned.

**Credit Hours:** 2 hrs

**Prerequisites:** SPPI 310 or instructor permission; admission to the Initial Teacher Preparation Program

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

### **SPPI 414 - Educational Strategies for Teachers of the Physically Impaired**

This course encompasses information and develops skills needed to develop, implement, and evaluate curriculum and methods for the preschool and elementary physically and otherwise health impaired student. All aspects of cognitive, affective, and psychomotor education are explored. Emphasis is placed upon individualized instruction and programming, adaptations and modification of instructional methods and materials, remediation, communication, problem-solving, decision-making, personal adjustment, prevocational education and leisure activities. A directed classroom laboratory is required.

**Credit Hours:** 4 hrs

**Prerequisites:** SPPI 360 and CURR 304 or CURR 305; admission to the Initial Teacher Preparation Program

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

### **SPPI 500 - Professional Educator Development Program**

For in-service professional and personal development. Not applicable to an advanced degree.

**Credit Hours:** 1/2/3 hrs

**Repeatable:** May be repeated for credit.

### **SPPI 590 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **SPPI 591 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **SPPI 592 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **SPPI 597 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **SPPI 598 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **SPPI 599 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **SPPI 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Notes:** Credit will not apply toward degree completion.

**Terms Offered:** Offered on a credit/no-credit basis.

### **SPPI 679 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **SPPI 680 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **SPPI 681 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **SPPI 697 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **SPPI 698 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **SPPI 699 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **Special Education**

### **SPGN 401 - International Teaching I (NEW COURSE)**

Students will have the opportunity to practice teaching non-English and/or English speaking children and develop an understanding of different learning styles, cultures, societies, family, language, history and education through a semester-long teaching practicum in a foreign classroom. They will learn about characteristics of culturally and linguistically diverse students, evidence-based teaching methods, and teachers' roles and responsibilities.

**Credit Hours:** 6 hrs

**Prerequisites:** 48-credit hours and department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Notes:** Students may register for both SPGN 401: International Teaching I and SPGN 402: International Teaching II for a total of 12 credits.

**Last Updated:** Graduate Credit Approval 09/2012, effective Winter 2013; New Course 06/2012

## **SPGN 402 - International Teaching II (NEW COURSE)**

Students will have the opportunity to practice teaching non-English and/or English speaking children and develop an understanding of different learning styles, cultures, societies, family, language, history, and education through a semester-long teaching practicum in a foreign classroom. They will learn about characteristics of culturally and linguistically diverse student, evidence-based teaching methods, and teachers' roles and responsibilities.

**Credit Hours:** 6 hrs

**Prerequisites:** 48-credit hours and department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Notes:** Students may register for both SPGN 401: International Teaching I and SPGN 402: International Teaching II for a total of 12 credits.

**Last Updated:** Graduate Credit Approval 09/2012, effective Winter 2013; New Course 06/2012

## **SPGN 461 - Classroom Management and Intervention Strategies for Students with Disabilities**

Strategies, approaches and techniques for effective classroom management for students with disabilities. Behavioral theories provide the foundation for the construction of effective strategies and techniques applicable in inclusive, resource and self-contained classroom settings. Roles and responsibilities of students, teachers, families and other school personnel are discussed.

**Credit Hours:** 3 hrs

**Prerequisites:** SPGN 251; admission to the Initial Teacher Preparation Program

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

## **SPGN 471 - Curriculum and Transitions for Secondary Special Education**

The role of the special educator relative to curriculum and transition planning at the secondary level is explored. Topics address all disability areas and settings. An approved field work practicum is required.

**Credit Hours:** 3 hrs

**Prerequisites:** SPGN 251, SPGN 390, SPGN 461, SPGN 395 and admission to the Initial Teacher Preparation Program

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

## **SPGN 481 - Assistive and Instructional Technology in Special Education**

Identification and Implementation of instructional and assistive technology in the special general education curriculum. Educational software, productivity, applications, digital media, adapted microcomputers, voice input/output, switching device, alternative input methods, adaptive output methods and other adaptive and assistive devices are explored. Course provides a broad knowledge base rather than disability specific information.

**Credit Hours:** 3 hrs

**Prerequisites:** SPGN 251; admission to the Initial Teacher Preparation Program

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

## **SPGN 491 - Special Education Student Teaching and Seminar**

Culminating field-based experience and seminar in the Special Education professional preparation program. Student teaching placement is in a K-12 special education setting in the area in which the endorsement will be earned. Seminar requirements will focus on expanding field-based experiences. The placement and seminar are for one complete academic semester.

**Credit Hours:** 12 hrs

**Prerequisites:** admission to the Initial Teacher Preparation Program

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

## **SPGN 500 - Professional Educator Development Program**

For in-service professional and personal development. Not applicable to an advanced degree.

**Credit Hours:** 1/2/3 hrs

**Repeatable:** May be repeated for credit.

## **SPGN 510 - Introduction to Inclusive Education and Disability Studies**

An interdisciplinary exploration of the meaning of inclusion and disability in education. Review of philosophical, moral, and legal bases of inclusion; perspectives on models of disability in culture; understanding self-determination and self-advocacy and a critical introduction to the complexity of ableism, learning, and social justice in increasingly diverse schools.

**Credit Hours:** 3 hrs

**Last Updated:** 06/2010, effective Winter 2011

## **SPGN 511 - Instruction and Management of Students with Disabilities in the General Education Classroom**

Learning, social/emotional and behavioral aspects of students with disabilities and students at-risk who are served in general education settings. Learning styles, teaching strategies and techniques, as well as curricular modifications and classroom management techniques are presented.

**Credit Hours:** 3 hrs

**Prerequisites:** SPGN 510

**Last Updated:** Links 05/2011

## **SPGN 515 - Computer Applications in Special Education**

Development of knowledge of hardware and software adaptation needs for special education populations and presentation of information about availability of each. Focuses on effective utilization of microcomputers with special populations.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **SPGN 525 - Classroom Management and the Development of Social Competence in Students with Special Needs**

An in-depth study of behavior management and social competence development in PreK–12 students with disabilities. Students will begin to develop their own philosophies and professional beliefs relative to behavior management and social competence based on reviews of theoretical perspectives, legal mandates, curriculum, instructional delivery and research-based effective practices. Course available only to students enrolled in M.A. Learning Disabilities or Special Education programs.

**Credit Hours:** 2 hrs

**Prerequisites:** SPGN 510

**Last Updated:** Links 05/2011

## **SPGN 551 - Inclusive Classrooms in Early Childhood**

This course prepares early childhood teachers to teach young children with exceptional needs in early childhood or early childhood special education classrooms. It addresses Special Education history, theory, models and laws pertaining to young children as well as inclusive curricular, assessment, and family approaches, teaming and collaboration and managing challenging behavior.

**Credit Hours:** 3 hrs

**Prerequisites:** admission to the College of Education

**Major Restrictions:** Students in Early Childhood Education only

**Cross-listed with:** ECE 551

**Last Updated:** Prerequisite Change 05/2012, effective Fall 2012; Links 06/2011

## **SPGN 585 - Practicum: Severe Cognitive Impairment**

This course is designed to meet state requirements for teachers preparing to teach in programs for students with severe cognitive impairment. Completion of a 180-hour supervised assignment focusing on planning, teaching and evaluating instruction with students, individually or in group settings.

**Credit Hours:** 4 hrs

**Prerequisites:** an endorsement in one area of special education

**Terms Offered:** Offered on a credit/no-credit basis.

## **SPGN 586 - Practicum in Special Education**

Supervised practicum with students in local schools and institutions in the disability area of professional preparation.

**Credit Hours:** 4 hrs

**Prerequisites:** teacher certification and endorsement in the same area of special education

**Terms Offered:** Offered on a credit/no-credit basis.

## **SPGN 590 - Special Topics**

Experimental courses designed to investigate current issues and specific topics of concern related to disabilities. Not more than six hours of special topic may be used on a degree program.

**Credit Hours:** 1 hr

## **SPGN 591 - Special Topics**

Experimental courses designed to investigate current issues and specific topics of concern related to disabilities. Not more than six hours of special topic may be used on a degree program.

**Credit Hours:** 2 hrs

### **SPGN 592 - Special Topics**

Experimental courses designed to investigate current issues and specific topics of concern related to disabilities. Not more than six hours of special topic may be used on a degree program.

**Credit Hours:** 3 hrs

### **SPGN 597 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **SPGN 598 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **SPGN 599 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **SPGN 605 - Transitional Planning in Special Education**

This course addresses transitional planning for students with disabilities. Life planning, community-based education, work-study and transition from school to adult living and working.

**Credit Hours:** 2 hrs

**Prerequisites:** SPGN 510

**Last Updated:** Links 05/2011

### **SPGN 615 - Social Psychology of Disability: Family, School, and Society**

Reciprocal interactions of families, people with disabilities and schools, knowledge of the social, community and educational needs of families, and how special educators can address them by understanding collaborative, culturally competent, family-centered roles, and through review of current research.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission



## **SPGN 619 - Administration and Supervision of Special Education**

Organization or improvement of programs for students with disabilities; includes philosophical, legal and practical aspects of organizing and administering special education programs in public schools.

**Credit Hours:** 3 hrs

**Prerequisites:** an endorsement in special education or department permission

## **SPGN 621 - Law and Public Policy for Individuals with Disabilities**

An extensive study of state and federal legislation as it applies to persons with disabilities. Teacher responsibility and liability under law. The effect of case law and judicial decisions on future legislation.

**Credit Hours:** 3 hrs

**Prerequisites:** SPGN 510 or equivalent

**Class Restrictions:** Graduate standing

**Last Updated:** Links 05/2011

## **SPGN 630 - Integrated Curriculum in Special Education: Math and Motor Skills Development**

This course focuses on integrated curriculum (PreK–12) in special education across the areas of mathematics and motor development. Students will gain decision-making experiences in the selection of effective teaching/learning approaches, and explore the selection, uses an evaluation of a broad base of instructional methods and strategies addressing the needs of students with disabilities in a full continuum of special education settings.

**Credit Hours:** 3 hrs

**Prerequisites:** SPLI 678

**Last Updated:** 03/2011

## **SPGN 632 - Models and Skills for Special and General Education Collaboration**

Theories focusing on areas including group-process skills, problem-solving skills and relevant consultation models to encourage collaboration between special and general factors. Development of skills supporting collaborative consultation as an interactive process and methods and strategies to enhance collaborative efforts between general and special educators in support of students with disabilities.

**Credit Hours:** 2 hrs

**Prerequisites:** An endorsement in one area of special education or permission of instructor.

**Last Updated:** 06/2001; effective Fall 2001

## **SPGN 636 - Roles of Resource Teachers**

This course focuses on the development of a broad understanding of Least Restrictive Environment, mainstreaming and inclusive education practices for students with disabilities. The organization of programs, development of resource teacher instructional and communication skills, and alternative service delivery models and the needs of both general and special education are explored.

**Credit Hours:** 2 hrs

## **SPGN 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Notes:** Credit will not apply toward degree completion.

**Terms Offered:** Offered on a credit/no-credit basis.

## **SPGN 642 - Curriculum Design and Construction in Special Education**

This course focuses on essential foundations of curriculum design and construction in special education. Theoretical and practical curricular models will be analyzed and discussed. Particular emphasis will be placed on curricular frameworks, which support the education of students with disabilities in self-contained, resource room and inclusive settings.

**Credit Hours:** 3 hrs

## **SPGN 643 - Innovative Curriculum Strategies for Special Education Settings**

A study of exemplary curricula, and the elements necessary to design and create curriculum supportive of students with disabilities in inclusive, resource room and self-contained settings. Students will utilize curricular frameworks and strategies, designated as best practices, in the design, creation and evaluation of specific curricular appropriate to their professional area.

**Credit Hours:** 3 hrs

**Prerequisites:** SPGN 642

**Last Updated:** Links 05/2011

## **SPGN 652 - Technology Infusion to Enhance Curriculum in Special Education**

This course focuses on the application of technologies (assistive and general) to support and enhance active learning for students with disabilities, PreK-12. Frameworks and strategies supporting the infusion of technology within classroom curriculum will be explored. Curriculum design, with technology utilized as a productive tool for teaching and individual student learning, will be emphasized.

**Credit Hours:** 3 hrs

## **SPGN 653 - New Directions in Assistive Technology**

A study of new and emerging technologies which support the changing needs of students with disabilities, PreK-12. Specifically, assistive technology applications, home/school modifications, assistive technology components for IEP's and IFSP's, and state-of-the-art hardware and software will be addressed. Course topics will change and students may elect this course three times for credit.

**Credit Hours:** 3 hrs

## **SPGN 661 - Advanced Assessment and Decision-Making**

Examination of database procedures for reviewing and making educational decisions regarding special education eligibility, program placement and goals. Laws, special education definitions, behavioral and cognitive theory, administration interpretation of assessment techniques and materials, writing of educational prescriptions and survey of service-delivery systems.

**Credit Hours:** 3 hrs

### **SPGN 679 - Special Topics**

Experimental courses designed to investigate specific topics of concern in special education. Not more than six hours of special topic may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **SPGN 680 - Special Topics**

Experimental courses designed to investigate specific topics of concern in special education. Not more than six hours of special topic may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **SPGN 681 - Special Topics**

Experimental courses designed to investigate specific topics of concern in special education. Not more than six hours of special topic may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **SPGN 687 - Internship**

A supervised experience in an area of special education. Internship experiences are contracted with a department faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **SPGN 689 - Supervised Internship in Special Education**

Supervised internship with pupils in local schools and institutions in the disability area of professional preparation.

**Credit Hours:** 6 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **SPGN 690 - Master's Thesis**

A research-based study conducted under the direction of a departmental faculty member and committee. Course offered on a credit/no-credit basis

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

## **SPGN 691 - Master's Thesis**

A research-based study conducted under the direction of a departmental faculty member and committee. Course offered on a credit/no-credit basis

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

## **SPGN 692 - Master's Thesis**

A research-based study conducted under the direction of a departmental faculty member and committee. Course offered on a credit/no-credit basis

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

## **SPGN 694 - Seminar: Interdisciplinary Special Education**

An intensive study of selected problems in special education. Students develop a research proposal for the capstone experience. Open only to majors in special education.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

## **SPGN 697 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **SPGN 698 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **SPGN 699 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **SPGN 719 - Advanced Seminar: Special Education Administration**

A structured colloquium covering current special education administrative practices, issues, procedures and tasks specific to special education supervisors and directors.

**Credit Hours:** 3 hrs

**Prerequisites:** SPGN 619

**Last Updated:** Links 05/2011

## **SPGN 789 - Specialist Internship in Special Education**

Supervised field placement to ensure that students have actual experiences with all phases of special education's administrative responsibilities or curriculum specialist's responsibilities.

**Credit Hours:** 4 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

## **SPGN 790 - Specialist's Thesis**

A research-based study conducted under the direction of a departmental faculty member and committee.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **SPGN 791 - Specialist's Thesis**

A research-based study conducted under the direction of a departmental faculty member and committee.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **SPGN 792 - Specialist's Thesis**

A research-based study conducted under the direction of a departmental faculty member and committee.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **Speech and Language Impairment**

### **SPSI 500 - Professional Educator Development Program**

For in-service professional and personal development. Not applicable to an advanced degree.

**Credit Hours:** 1/2/3 hrs

**Repeatable:** May be repeated for credit.

### **SPSI 508 - Multicultural Issues in Intervention for Communication Disorders**

Survey of language and cultural influences of major racial and/or ethnic groups, and resultant communication patterns. Differential diagnostic approaches to determine communication disorder or difference. Educational effects are also covered.

**Credit Hours:** 2 hrs

### **SPSI 516 - Introduction to Research in Speech-Language Pathology**

This course focuses on research methodologies in the area of human communication development and disorders. Students will learn to interpret and critically evaluate the quality of research articles, and identify the principles of Evidence-Based Practice and applications of research findings to clinical management of communication disorders. In addition, students will review standards for clinical certification in speech-language pathology.

**Credit Hours:** 3 hrs

### **SPSI 528 - Clinical Practice in Speech-Language Pathology I**

Supervised clinical practicum experience with children and adults in individual and group settings. Focus on assessing and treating a variety of communication disorders including accent reduction, phonological, articulation, and language disorders in children and adults.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **SPSI 538 - Clinical Practicum in Speech-Language Pathology II**

Supervised clinical practicum experience with children and adults in individual and group settings. Focus on assessing and treating a variety of communication disorders including voice, fluency, neurogenic, oral-motor and language disorders.

**Credit Hours:** 3 hrs

**Prerequisites:** SPSI 528 and department permission

**Last Updated:** Links 05/2011

### **SPSI 540 - Articulation and Phonological Impairments**

Theoretical perspectives, assessment and diagnostic methods and contemporary intervention approaches for both functional and organic articulation and phonological impairments. Emphasis on impairments associated with hearing loss, cerebral palsy, cleft palate, and developmental apraxia of speech. Opportunity to gain experience in assessment techniques for speech sampling and test administration scoring and analysis.

**Credit Hours:** 3 hrs

**Prerequisites:** Program Admission in SLP

**Previously Listed as:** SPSI340

### **SPSI 543 - Clinical Methods in Speech-Language Pathology**

Basic principles of evaluation and treatment in speech-language pathology. Supervised clinical observation in the Speech and Hearing Clinic.

**Credit Hours:** 3 hrs

**Prerequisites:** Program Admission in SLP

**Previously Listed as:** SPSI343

## **SPSI 552 - Voice**

A study of the etiology, diagnosis and treatment of functional and organic voice disorders, including defects of loudness, pitch and quality.

**Credit Hours:** 3 hrs

**Prerequisites:** Program Admission in SLP

**Previously Listed as:** SPSI452

## **SPSI 554 - Fluency Disorders**

Etiology, symptoms, assessment and treatment of fluency disorders; overview of specific therapy procedures in the clinic, the school and the home.

**Credit Hours:** 3 hrs

**Prerequisites:** SPSI 332, SPSI 334, SPSI 336 and SPSI 337; Program Admission in SLP

**Previously Listed as:** SPSI454

**Last Updated:** Links 05/2011

## **SPSI 555 - Neuroanatomy and Physiology for the Speech-Language Pathologist**

A lecture class concerned with development, maturation and function of the human central nervous system with emphasis on those neural structures and processes involved in the learning and usage of speech and language.

**Credit Hours:** 2 hrs

## **SPSI 568 - Diagnostic Methods: Assessment of Speech and Language Disorders in Children**

Diagnostic procedures and routines used in the evaluation of speech and language disorders in children. Emphasis on familiarization with available evaluative tools, interviewing procedures, case analysis, test interpretation and report writing.

**Credit Hours:** 3 hrs

## **SPSI 578 - Diagnosis and Treatment of Audiometric Disorders**

Advanced techniques of testing the auditory function; interpretation of audiograms, hearing aid evaluations and use of differential hearing assessment techniques for children and adults with hearing disorders.

**Credit Hours:** 3 hrs

## **SPSI 590 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **SPSI 591 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **SPSI 592 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **SPSI 595 - Workshop**

Please check the current class schedule for specific offerings.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **SPSI 597 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **SPSI 598 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **SPSI 599 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **SPSI 607 - Early Intervention for Speech and Language Impaired Children**

Current theoretical and therapeutic approaches to early assessment and intervention with speech and language impaired infants, toddlers and preschoolers. Survey of state and national laws and service-delivery options.



**Credit Hours:** 3 hrs

## **SPSI 612 - Motor Speech Disorders**

Examines the nature, etiology and treatment of motor speech disorders resulting from neuropathologies. Related intellectual, perceptual, social and emotional problems will be considered, as well as the neuromuscular symptoms. Current speech pathology approaches will be emphasized within a total therapeutic program.

**Credit Hours:** 2 hrs

**Prerequisites:** SPSI 555

**Last Updated:** Links 05/2011

## **SPSI 614 - Aphasia**

Designed to provide a theoretical framework for understanding the symbolic language problems of aphasia, and current therapeutic approaches to the problem; aphasia resulting from cerebral insult after language has been established; and related physical and behavioral disturbances.

**Credit Hours:** 3 hrs

**Prerequisites:** SPSI 555

**Last Updated:** Links 05/2011

## **SPSI 618 - Language Disorders in School-Age Children**

The conceptual framework for thinking about language disorders in school-age children with special emphasis on language assessment and language interventions in school settings.

**Credit Hours:** 3 hrs

## **SPSI 620 - Consulting and Interviewing in Speech Pathology**

Instruction and experiences in preparing students to manage interviewing, consulting and educational activities for families of persons with speech and hearing disabilities, and/or clients with disabilities.

**Credit Hours:** 2 hrs

## **SPSI 622 - Augmentative Communication**

This course focuses on a historical perspective and philosophy of augmentative communication, with assessment and intervention considerations. Includes emphasis on aided, unaided, electronic and gestural communication techniques.

**Credit Hours:** 3 hrs

## **SPSI 624 - Acquired Neurogenic Cognitive-Communication Disorders**

This lecture/discussion course will focus on the cognitive and communicative changes resulting from neurogenic etiologies. Speech-language pathology assessments tools and intervention strategies for persons with brain damage resulting from conditions such as unilateral right hemisphere lesions, traumatic brain injuries, dementing illness and anoxic encephalopathy will be addressed.

**Credit Hours:** 3 hrs  
**Prerequisites:** SPSI 555  
**Last Updated:** Links 05/2011

## **SPSI 625 - Dysphagia**

This is an introductory course in swallowing disorders. The student will develop a basic understanding of the anatomy and physiology of deglutition, the various procedures used to evaluate swallowing problems and treatment approaches. Students will emerge from this experience prepared to profit from clinical experience in dysphagia during internships.

**Credit Hours:** 2 hrs

## **SPSI 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources.

**Credit Hours:** 1 hr  
**Prerequisites:** department permission  
**Notes:** Credit will not apply toward degree completion.  
**Terms Offered:** Offered on a credit/no-credit basis.

## **SPSI 679 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr  
**Prerequisites:** department permission

## **SPSI 680 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs  
**Prerequisites:** department permission

## **SPSI 681 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs  
**Prerequisites:** department permission

## **SPSI 687 - Clinical Internship in Speech-Language Pathology I**

Opportunity to practice speech and language assessment and intervention in a clinical setting. Experience with children and adults with multiple disabilities.

**Credit Hours:** 3 hrs

**Prerequisites:** SPSI 528, SPSI 538 and department permission

**Terms Offered:** Offered on a credit/no-credit basis.

**Last Updated:** Links 05/2011

## **SPSI 688 - Clinical Internship in Speech-Language Pathology II**

Opportunity to practice speech and language assessment and intervention in a clinical setting. Experience with children and adults with multiple disabilities. Offered on a credit/no- credit basis.

**Credit Hours:** 3 hrs

**Prerequisites:** SPSI 528, SPSI 538 and department permission

**Terms Offered:** Offered on a credit/no-credit basis.

**Last Updated:** Links 05/2011

## **SPSI 689 - Public School Internship in Speech-Language Pathology**

Supervised practice in a public school setting.

**Credit Hours:** 3 hrs

**Prerequisites:** SPSI 528, SPSI 538 and department permission

**Terms Offered:** Offered on a credit/no-credit basis.

**Last Updated:** Links 05/2011

## **SPSI 694 - Professional Issues in Speech-Language Pathology**

Emphasis on current issues, state and national laws, professional ethics and organization and administration in speech-language pathology. Students will present materials for summative assessment of progress through graduate program.

**Credit Hours:** 2 hrs

**Terms Offered:** Offered on a credit/no-credit basis.

## **SPSI 697 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

## **SPSI 698 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

## **SPSI 699 - Independent Study**

An intensive study of a problem or group of problems, under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

## **Visual Impairment**

### **SPVI 464 - Methods of Teaching Children who are Blind**

A study of the various methods used in educating and assessing children who are blind, and the adaptation of these methods to the teaching of school subjects for these students. Further emphasis on Nemeth Code, Cranmer abacus and other teaching materials and devices.

**Credit Hours:** 3 hrs

**Prerequisites:** SPGN 251; admission to the Initial Teacher Preparation Program

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

### **SPVI 465 - Braille II: Nemeth Code**

Development of proficiency in reading and writing Nemeth Braille code for mathematics and science notation.

**Credit Hours:** 3 hrs

**Prerequisites:** SPVI 365; admission to the Initial Teacher Preparation Program

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

### **SPVI 467 - Education of Children with Visual Impairment**

Organization and administration of various plans for educating children with visual impairment. Adaptation of various teaching methods and materials for these children, as well as comparison of various vision testing methods and devices.

**Credit Hours:** 2 hrs

**Prerequisites:** SPGN 251; admission to the Initial Teacher Preparation Program

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

### **SPVI 469 - Technology for Persons with Visual Impairment**

Experience with a variety of tools available for use by persons with visual impairment. The tools and devices covered include those designed to provide assistance in reading, Braille and low-vision.

**Credit Hours:** 2 hrs

**Prerequisites:** admission to the Initial Teacher Preparation Program

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

# Teacher Education Programs and Courses

## Teacher Education

### Graduate Certificate

#### Graduate Certificate in Educational Assessment (EDA)

Adviser: Patricia Pokay, Ph.D  
313 Porter  
734.487.3260  
ppokay@emich.edu

The focus of this certificate program is to improve student learning by way of assessment. Teachers and other educators earning this certificate will understand what constitutes high quality educational assessment and will recognize the relations among assessment, motivation, and student learning. Participants will be equipped to respond intelligently to the demands of government education policies, especially as they relate to assessment. They will become familiar with legal and ethical issues associated with educational assessment, will be able to analyze student assessment data from various sources, and will be able to evaluate assessment research.

#### Required Courses: 12 hours

- EDPS 626 - Principles and Issues in Educational Assessment 3 hrs
- EDPS 627 - Designing Classroom Assessments 3 hrs
- EDPS 628 - Analyzing Student Learning 3 hrs
- EDPS 667 - Principles of Educational Research 3 hrs

#### Certificate Total: 12 hours

#### Graduate Certificate in Educational Media and Technology (EDMT)

Adviser: Toni Stokes Jones, Ph.D.  
313 Porter  
734.487.3260  
tjones1@emich.edu

The mission of this certificate program is to prepare professionals who are capable of facilitating student learning in a variety of settings. The program is designed to provide students with both the knowledge base and the application skills that are required to use technology effectively in education. Focusing on the design, development, utilization, management and evaluation of instructional systems moves us toward achieving this mission.

#### Admission Requirements

See general Graduate School admission requirements.

#### Certificate Requirements

This certificate requires 20 hours of course work to be distributed among the following:

## Required Courses (all online): 20 hours

- EDMT 602 - Technology and Student-Centered Learning 3 hrs
- EDMT 603 - Facilitating Teaching in Technology Enhanced Learning Environments 3 hrs
- EDMT 623 - Instructional Design and Development of Multimedia Instructional Materials 3 hrs
- EDMT 627 - Advanced Technical Issues in Educational Technology 3 hrs
- EDMT 628 - The Design and Use of Online Resources for Education 3 hrs
- EDMT 632 - Advanced Productivity Tools in Teaching and Learning 2 hrs
- EDMT 653 - Issues and Emerging Educational Technologies 3 hrs

Certificate Total: 20 hours

## Master's

### Master of Arts in Curriculum and Instruction (CI)

Adviser: Ethan Lowenstein, Ph.D.  
313 Porter  
734.487.3260  
elowenste@emich.edu

#### Description of Program

The Master of Arts in Curriculum and Instruction program provides graduate students a comprehensive background in key concepts, skills, and strategies that promote the learning of all students in the K-12 school systems. Specifically, this program provides educational leaders an in-depth professional development in student motivation, problem-solving, critical thinking, effective instructional strategies, literacy, technology, standards-based curriculum, performance assessment strategies, diversity and special needs, differentiated classrooms, action research, culturally responsive classrooms, urban and diversity strategies. No GRE is required for admittance. The 31 credit program is portfolio-based.

#### Model

Eastern Michigan University's advanced professional education program promotes inquiry, advocacy and leadership in education for a diverse and democratic society.

#### Admission Requirements

See general admission requirements in the Department of Teacher Education. No GRE is required.

#### Retention Requirements

Students must successfully complete all retention requirements before proceeding with the remainder of the program.

1. Attendance at a program orientation.
2. From 15 to 18 hours of graduate credit, including CURR 654 or CURR 655, CURR 653 and required EDPS and SOFD courses, with an over all GPA of 3.0 or better.
3. A satisfactory assessment of written communication.

Students lacking the requirements must meet with the adviser to determine whether to withdraw from the program or apply for continuing eligibility by completing a plan of remediation.

**Exit Requirements**

To graduate, students must:

1. Complete an approved program of study with a GPA of 3.0 or better;
2. Successfully present to the Graduate Review Board a professional teaching portfolio;
3. Apply for graduation and obtain the adviser's recommendation; and
4. Meet all other Office of Graduate Studies and Research requirements for the degree.

**Foundation Courses: 12 hours**

- CURR 653 - Introduction to Curriculum Portfolios 1 hr
- SOFD 550 - Philosophy, Ethics and Teaching 2 hrs

**One course from the following:**

- CURR 654 - Multicultural Teaching and Learning 3 hrs
- CURR 655 - Curriculum Foundations 3 hrs

**One course from the following:**

- EDPS 501 - Psychology of Adolescence 3 hrs
- EDPS 600 - Human Development 3 hrs

**One course from the following:**

- EDPS 667 - Principles of Educational Research 3 hrs
- EDPS 677 - Methods in Quantitative Research 3 hrs
- EDPS 687 - Qualitative/Interpretive Research 3 hrs

**Cohort Courses: 12 hours**

- CURR 616 - Issues in Elementary School Curriculum 3 hrs
- CURR 650 - Improving Instruction through Inquiry and Assessment 3 hrs
- CURR 656 - Curriculum Design, Implementation and Evaluation 3 hrs
- CURR 665 - Differentiation in the Classroom 3 hrs

**Elective Courses: 7 hours**

*Choose six credit hours in addition to:*

- CURR 694 - Seminar: Portfolio 1 hr

**Program Total: 31 hours**

## Note:

*Foundations courses are required for all master of arts in curriculum and instruction programs. These courses provide the basis on which all subsequent courses are built and must be taken within the first 18 hours of course work.*

## Master of Arts in Early Childhood Education (ECE)

Adviser: Brigid Beaubien, Ph.D.  
313 Porter  
734.487.3260  
bbeaubi1@emich.edu

### Program Overview

The program in early childhood education is designed for those who hold teacher certification and have or are seeking careers as classroom teachers (preschool through third grade), child care program directors or other positions related to the care and education of children ages birth through eight years. Each student's program is worked out in consultation with an adviser according to the background and needs of the individual student. The program requires a minimum of 32 hours of graduate credit. The actual credits required for the degree may be more than 32, depending on the amount of previous course work the student has successfully completed. Students can plan programs with their advisers that will enable them to meet the State of Michigan's requirements for the early childhood endorsement for the elementary teaching certificate. This program is in compliance with the standards set forth by the National Association for the Education of Young Children.

### Model

Eastern Michigan University's advanced professional education programs promote inquiry, advocacy and leadership in education for a diverse and democratic society. The early childhood education program addresses extended knowledge of developing and implementing age-appropriate, individually appropriate, and socially and culturally appropriate curriculum and teaching practices from birth through age eight.

### Admission Requirements

See the Teacher Education department page for specific admission requirements.

### Retention Requirements

Retention requirements can be considered a "mid-point progress review" in the master's degree programs. It is necessary to successfully complete all retention requirements before proceeding with the remainder of the program.

To proceed with exit requirements, students must:

1. Complete ECE 600 and ECE 602 and ECE 609 with a grade of B or better in all three courses. ECE 600 should be taken in the first ten hours on the program;
2. Complete EDPS 667, EDPS 677 or EDPS 687 within 15 hours of graduate credit with an overall GPA of 3.0 or better;
3. Schedule and satisfactorily complete a progress review after 22 credit hours have been completed; and
4. If a student's progress is judged unsatisfactory at the time of the progress review, the decision will be reviewed by all early childhood education graduate faculty, with the decision based on a majority vote. Students who do not meet the criteria, but maintain graduate student status, may continue to take graduate credit for professional development.

## Curriculum Requirements:

All of the courses in the program and restricted elective areas count towards the Early Childhood Endorsement. The ZS requires a total of 26 hours of credit listed in the program and restricted elective areas.



The curricular requirements include a minimum of 32 graduate-level hours, to be distributed as follows:

## Foundation: 28 hours

## Early Childhood Education Requirements: 5 hours

One course in Research (choose one of the following):

- EDPS 667 - Principles of Educational Research 3 hrs
- EDPS 677 - Methods in Quantitative Research 3 hrs
- EDPS 687 - Qualitative/Interpretive Research 3 hrs

One course in Social Foundations (choose one of the following):

- SOFD 550 - Philosophy, Ethics and Teaching 2 hrs
- SOFD 580 - Sociology of Education 2 hrs

## ECE Concentration: 23 hours

- ECE 551 - Inclusive Classrooms in Early Childhood 3 hrs
- ECE 600 - Trends, Issues and Advocacy in Early Childhood Education 2 hrs
- ECE 601 - Creating Supportive Learning Communities for Resilient Children 2 hrs
- ECE 602 - Implementing Appropriate Early Childhood Programs 2 hrs
- ECE 607 - Leadership and Professionalism in ECE 2 hrs
- ECE 609 - Development and Behavior of the Young Child 2 hrs
- ECE 610 - Family, School and Community Partnerships in Early Childhood Education 2 hrs
- ECE 613 - Curriculum Frameworks in Early Childhood 2 hrs
- ECE 641 - Developmental Assessment of the Young Child: Theory and Practice 2 hrs
- ECE 689 - Early Childhood Internship and Colloquium 2 hrs
- ECE 693 - Seminar: Early Childhood Education 2 hrs

## Restricted Electives: 4-5 hours

*Four to five hours from the following:*

- ECE 590 - Special Topics 1 hr
- or
- ECE 591 - Special Topics 2 hrs
- ECE 618 - Play and Human Development 2 hrs
- ECE 690 - Thesis 1 hr
- ECE 691 - Thesis 2 hrs
- ECE 692 - Thesis 3 hrs
- ECE 697 - Independent Study 1 hr
- ECE 698 - Independent Study 2 hrs
- ECE 699 - Independent Study 3 hrs
- EDPS 611 - Piaget for Educators 2 hrs

- EDPS 617 - Children in Poverty: Educational Implications 3 hrs
- RDNG 503 - Meeting Individual Needs in Elementary Literacy Education: Mandatory for MDE Certification Renewal 3 hrs
- RDNG 656 - Language Development, Literacy and the Young Child 3 hrs

Program Total: 32-33 hours

## Master of Arts in Educational Media and Technology (EDMT)

Adviser: Dr. Toni Stokes Jones  
 313 Porter  
 734.487.3260  
 tjones1@emich.edu

### Program Theme

The mission of this program is to prepare professionals who are capable of facilitating student learning in a variety of settings. The program is designed to provide students with both the knowledge base and the application skills that are required to use technology effectively in education. Focusing on the design, development, utilization, management and evaluation of instructional systems moves us toward achieving this mission. Students who complete the educational technology program will be able to:

1. Provide a rationale for using technology in the educational process;
2. Identify contributions of major leaders in the field of educational media technology and instructional theory, and the effect that each leader has had on the field;
3. Assess current trends in the area of educational media technology and relate the trends to past events and future implications;
4. Integrate technology into instructional programs;
5. Teach the operation and various uses of educational technology in instruction;
6. Act as consultants/facilitators in educational media technology;
7. Design and develop instructional products to meet specified needs; and
8. Evaluate the effectiveness of instructional materials and systems.

### Admission Requirements

See the Teacher Education department page for specific admission requirements.

To gain approval to proceed with exit requirements, each student must:

1. Complete 18 hours of Educational Media and Technology core courses with an overall GPA of 3.0;
2. Pass their initial writing assessment;
3. Demonstrate their ability to use technology to achieve student learning.

### Curriculum:

The curricular requirements include a minimum of 30 graduate-level hours, to be distributed among the following:

## Required Foundation Courses: 6 hours

One course from the following:

- EDPS 602 - Adult Development and Learning 3 hrs
- EDPS 603 - Principles of Learning in Education 3 hrs

One course from the following:

- EDPS 667 - Principles of Educational Research 3 hrs
- EDPS 677 - Methods in Quantitative Research 3 hrs
- EDPS 687 - Qualitative/Interpretive Research 3 hrs

## Required EDMT Courses: 23 hours

- EDMT 602 - Technology and Student-Centered Learning 3 hrs
- EDMT 603 - Facilitating Teaching in Technology Enhanced Learning Environments 3 hrs
- EDMT 623 - Instructional Design and Development of Multimedia Instructional Materials 3 hrs
- EDMT 627 - Advanced Technical Issues in Educational Technology 3 hrs
- EDMT 628 - The Design and Use of Online Resources for Education 3 hrs
- EDMT 632 - Advanced Productivity Tools in Teaching and Learning 2 hrs
- EDMT 653 - Issues and Emerging Educational Technologies 3 hrs
- EDMT 695 - Seminar 3 hrs

## Restricted Electives: 1-3 hours

- CURR 654 - Multicultural Teaching and Learning 3 hrs
- CURR 655 - Curriculum Foundations 3 hrs
- EDMT 590 - Special Topics 1 hr
- EDMT 597 - Independent Study 1 hrs
- SOFD 572 - The History of American Schooling and Literacy 3 hrs
- SOFD 580 - Sociology of Education 2 hrs

Program Total: 30-32 hours

## **Master of Arts in Educational Psychology (EPDL)**

Adviser: Patricia Pokay, Ph.D.  
313 Porter  
734.487.3260  
ppokay@emich.edu

**Program Overview**

The mission of the educational psychology program is to prepare educators as practitioners and researchers. The focus is on the application of psychological theories, principles and concepts to school and non-school settings. Specifically, the goals include enhancing the students' abilities to:

1. Understand educational psychology concepts related to the cognitive, affective, physical and social development of children and adolescents;
2. Apply educational psychology and principles of learning in school and non-school settings;
3. Utilize the findings gained from research studies to create programs and environments that foster positive learning;
4. Design research studies and assessments of student outcomes; and
5. Understand the multiple dimensions of diversity and their potential impact on development and learning.

This degree has two concentrations. The Developing Learner concentration, focuses on understanding the individual learner as a whole person: cognitively, emotionally, and socially. The Research and Assessment concentration provides a foundation in understanding and conducting educational research and assessments. The master's degree with the Developing Learner concentration is available totally online. The program with the Research and Assessment concentration is available through a combination of online and in person courses.

#### **Model**

Eastern Michigan University's advanced professional education programs promote inquiry, advocacy and leadership in education for a diverse and democratic society.

#### **Admission Requirements**

See the Teacher Education department page for specific admission requirements. Note that teacher certification is not required for this program.

#### **Mission Statement**

EDPS graduate programs prepare professionals who think critically about the ways diverse individuals learn and develop emotionally, cognitively, and socially. Students in educational psychology ask questions, seek answers, and apply those answers in real world situations.

### **Required Foundation Courses: 11 hours**

- EDPS 502 - Basic Concepts in Educational Psychology 3 hrs
- EDPS 667 - Principles of Educational Research 3 hrs
- SOFD 580 - Sociology of Education 2 hrs

### **Choose one course from the following:**

- EDPS 501 - Psychology of Adolescence 3 hrs
- EDPS 600 - Human Development 3 hrs

### **Required Culminating Experiences: 6 hours**

- EDPS 694 - Seminar in Educational Psychology 3 hrs

### **Choose one course from the following:**

- EDPS 689 - Culminating Project 3 hrs
- EDPS 692 - Thesis 3 hrs

Choose one area of concentration from the following:

### Concentration in The Developing Learner: 12 hours

*At least 12 hours distributed among cognitive, emotional and social areas. Other courses may be selected in cooperation with an adviser.*

#### Cognitive Courses

- CURR 654 - Multicultural Teaching and Learning 3 hrs
- EDPS 504 - Nature and Identification of the Gifted 2 hrs
- EDPS 512 - Theories of Intelligence 3 hrs
- EDPS 650 - Motivation to Learn 3 hrs
- EDPS 602 - Adult Development and Learning 3 hrs
- EDPS 603 - Principles of Learning in Education 3 hrs
- EDPS 611 - Piaget for Educators 2 hrs
- EDPS 614 - Psychology of Creativity for Educators 3 hrs
- EDPS 627 - Designing Classroom Assessments 3 hrs

#### Emotional Courses

- COUN 503 - Dynamics of Life Development 3 hrs
- COUN 505 - Counselor Development: Basic Skills 3 hrs
- COUN 515 - Crisis Intervention 3 hrs
- COUN 571 - Cross-cultural Counseling 3 hrs
- COUN 651 - Counseling with Children 3 hrs
- ECE 601 - Creating Supportive Learning Communities for Resilient Children 2 hrs
- EDPS 501 - Psychology of Adolescence 3 hrs
- EDPS 509 - Students' Emotional Wellness in Educational Environments 3 hrs
- EDPS 605 - Mental Health of Educators 2 hrs
- EDPS 620 - Self-Concept, Self-Esteem and Individual Difference 3 hrs
- WGST 575 - Theories of Sexuality 3 hrs

#### Social Courses

- CTAC 511 - Readings in Interracial/Interethnic Communication 2 hrs
- ECE 609 - Development and Behavior of the Young Child 2 hrs
- ECE 610 - Family, School and Community Partnerships in Early Childhood Education 2 hrs
- EDPS 617 - Children in Poverty: Educational Implications 3 hrs
- EDPS 640 - School Violence: A Holistic Approach to Prevention and Intervention 3 hrs
- GERT 511 - Elders and Their Families 2 hrs

- PSY 520 - Coping with Problem Behavior 2 hrs
- SOFD 535 - Multicultural and International Education 2 hrs
- SOFD 581 - Gender and Education 3 hrs
- **OR**
- WGST 581 - Gender and Education 3 hrs
- SPGN 525 - Classroom Management and the Development of Social Competence in Students with Special Needs 2 hrs
- SPGN 615 - Social Psychology of Disability: Family, School, and Society 3 hrs

## Concentration in Research and Assessment: 12 hours

*Nine hours selected from the following. Other courses may be selected in cooperation with an adviser.*

- EDPS 621 - Statistical Applications in Educational Research 2 hrs
- EDPS 626 - Principles and Issues in Educational Assessment 3 hrs
- EDPS 627 - Designing Classroom Assessments 3 hrs
- EDPS 628 - Analyzing Student Learning 3 hrs
- EDPS 651 - Inferential Statistics 2 hrs
- EDPS 660 - Grantwriting and Management 3 hrs
- EDPS 674 - Survey Research and Data Analysis 3 hrs

Choose one course from the following:

- EDPS 677 - Methods in Quantitative Research 3 hrs
- EDPS 687 - Qualitative/Interpretive Research 3 hrs

Program Total: 29 hours

## **Master of Arts in Educational Psychology - Research and Assessment (TO BE DELETED)**

**THIS PROGRAM WILL NO LONGER BE OFFERED:  
EFFECTIVE WINTER 2012**

See the Master of Arts in Educational Psychology (EPDL): Research and Assessment Concentration

Adviser: Patricia Pokay, Ph.D.  
313 Porter  
734.487.3260  
ppokay@emich.edu

## **Program Overview**

The mission of the educational psychology program is to prepare educators as practitioners and researchers. The focus is on the application of psychological theories, principles and concepts to school and non-school settings. Specifically, the goals include enhancing the students' abilities to:

1. Understand educational psychology concepts related to the cognitive, affective, physical and social development of children and adolescents;
2. Apply educational psychology and principles of learning in school and non-school settings;
3. Utilize the findings gained from research studies to create programs and environments that foster positive learning;
4. Design research studies and assessments of student outcomes; and
5. Understand the multiple dimensions of diversity and their potential impact on development and learning.

## **Model**

Eastern Michigan University's advanced professional education programs promote inquiry, advocacy and leadership in education for a diverse and democratic society.

## **Admission Requirements**

See the Teacher Education department page for specific admission requirements. Note that teacher certification is not required for this program.

## **Mission Statement:**

EDPS graduate programs prepare professionals who think critically about the ways diverse individuals learn and develop emotionally, cognitively, and socially. Students in educational psychology ask questions, seek answers, and apply those answers in real world situations.

## **Curriculum:**

The curricular requirements include a minimum of 30 graduate-level hours, to be distributed as follows:

### **Required Foundation Courses: 16 hours**

- EDPS 502 - Basic Concepts in Educational Psychology 3 hrs
- EDPS 621 - Statistical Applications in Educational Research 2 hrs
- EDPS 651 - Inferential Statistics 2 hrs
- EDPS 660 - Grantwriting and Management 3 hrs

### **Two research courses from the following:**

- EDPS 667 - Principles of Educational Research 3 hrs
- EDPS 677 - Methods in Quantitative Research 3 hrs
- EDPS 687 - Qualitative/Interpretive Research 3 hrs

### **Restricted Elective Courses: 8 hours**

*Choose eight hours from the following in cooperation with an advisor*

*See footnote below*

## Assessment Courses

- EDPS 626 - Principles and Issues in Educational Assessment 3 hrs
- EDPS 627 - Designing Classroom Assessments 3 hrs
- EDPS 628 - Analyzing Student Learning 3 hrs
- EDPS 629 - Assessment and Program/School Improvement 3 hrs

## Research Courses

- Independent Studies in specific techniques (1-3 hrs)
- CURR 667 - Teacher as Intellectual Inquirer 2 hrs
- EDPS 667 - Principles of Educational Research 3 hrs
- EDPS 674 - Survey Research and Data Analysis 3 hrs
- EDPS 677 - Methods in Quantitative Research 3 hrs
- EDPS 687 - Qualitative/Interpretive Research 3 hrs
- SOFD 570 - Women and Pedagogy: Life Histories 3 hrs

## Elective Courses in Educational Foundations: 4 hours

*Courses to be determined in cooperation with an advisor.*

## Required Culminating Experience: 5 hours

- EDPS 694 - Seminar in Educational Psychology 3 hrs

## Choose one course from the following:

- EDPS 691 - Thesis 2 hrs
- EDPS 698 - Independent Study 2 hrs

## Program Total: 33 hours

## Note:

*Research and assessment courses from other departments may be included in cooperation with an advisor.*

## **Master of Arts in Elementary Education (ELED)**

Adviser: Ethan Lowenstein, Ph.D.  
313 Porter  
734.487.3260  
elowenste@emich.edu



## **Description of Program**

The Master of Arts in Elementary Education program is a 32 credit hour graduate program designed to provide educational leaders an in-depth professional development as it is directly linked to their developing content expertise in the teaching of at the elementary level to further investigate student motivation, problem-solving, critical thinking, effective instructional strategies, literacy, technology, standards-based curriculum, performance assessment strategies, diversity and special needs, differentiated classrooms, action research, culturally responsive classrooms, urban and diversity strategies. The portfolio-based program includes foundation courses, a specialized course in related educational issues, a specialization consisting of a minimum of three classes that reflect a thematic or other unified pattern, and a final seminar course designed to assist the student to develop their portfolio. No GRE is required for admittance.

## **Admissions**

For information regarding admissions please go to the Teacher Education department page located [here](#).

NOTE: This program does not grant a teaching certificate.

## **Foundations Courses: 12 hours**

- CURR 653 - Introduction to Curriculum Portfolios 1 hr
- EDPS 600 - Human Development 3 hrs
- SOFD 550 - Philosophy, Ethics and Teaching 2 hrs

## **One course from the following:**

- EDPS 667 - Principles of Educational Research 3 hrs
- EDPS 677 - Methods in Quantitative Research 3 hrs
- EDPS 687 - Qualitative/Interpretive Research 3 hrs

## **One course from the following:**

- CURR 654 - Multicultural Teaching and Learning 3 hrs
- CURR 655 - Curriculum Foundations 3 hrs

## **Cohort Courses: 12 hours**

- CURR 616 - Issues in Elementary School Curriculum 3 hrs
- CURR 650 - Improving Instruction through Inquiry and Assessment 3 hrs
- CURR 656 - Curriculum Design, Implementation and Evaluation 3 hrs
- CURR 665 - Differentiation in the Classroom 3 hrs

## **Elective Courses: 7 hours**

*Seven hours selected in consultation with the graduate adviser.*

## **Culminating Experience: 1 hr**

*Masters Focus Paper in addition to:*

- CURR 694 - Seminar: Portfolio 1 hr

Program Total: 32 hours

## Master of Arts in Middle Level Education (MSED)

Adviser: Ethan Lowenstein, Ph.D.

313 Porter

734.487.3260

elowenste@emich.edu

### Description of Program

The Master of Arts in Middle Level Education program is designed to encourage each student to further develop the critical, creative, conceptual and collaborative thinking skills and concepts along with an emphasis on advocacy, cultural competence, communal inquiry and a sense of curiosity necessary for success in the 21st century classroom. The program includes foundation courses, courses in the theory and practice of middle level education, content area courses, and portfolio courses at the beginning and end to support the student throughout the program. No GRE is required for admittance. The program is portfolio scaffolded.

### Admissions

For information regarding admissions please go to the Teacher Education department page located here.

NOTE: This program does not grant a teaching certificate.

## Foundations Courses: 10 hours

- CURR 653 - Introduction to Curriculum Portfolios 1 hr
- CURR 654 - Multicultural Teaching and Learning 3 hrs
- EDPS 501 - Psychology of Adolescence 3 hrs
- EDPS 687 - Qualitative/Interpretive Research 3 hrs

## Middle Level Cohort Courses: 11 hours

- CURR 618 - Middle Level Education: Theory and Practice 3 hrs
- CURR 620 - Issues in Middle Level Curriculum 3 hrs
- CURR 622 - Effective Teaching in Middle Level Education 3 hrs
- CURR 687 - Internship in Teacher Education 2 hrs

## Concentration Courses: 9 hours

All students in the Middle Level Education program must select a broad subject area concentration. This requires nine credits selected from the undergraduate major/minor subject area. Fields such as social studies are acceptable (history is not); science is acceptable (biology is not). This reflects the broad field interdisciplinary teaming concept key to middle level schools.

## Elective Courses: 2 hours

*Electives are selected in consultation with the adviser.*

## Final Seminar in Middle Level: 1 hr

Portfolio Presentation

Program Total: 32-33 hours

## Master of Arts in Reading (RDNG)

Adviser: Linda Williams, Ph.D.

313E-2 Porter

734.487.7120 (ext. 2635)

lwilli55@emich.edu

The Master of Arts in Reading program provides candidates with a strong theoretical foundation in the field of reading and literacy, as well as skills needed to address the needs of K-12 learners, particularly those who require specialized literacy intervention. Candidates gain knowledge of a wide range of instructional and assessment policies, programs, practices and resources supporting literacy development. Candidates will design literacy environments that engage learners in inquiry, research, and communication, using print and online texts and new as well as emerging technologies. Finally, candidates gain knowledge and expertise that enable them to work successfully in culturally and linguistically diverse K-12 settings.

### Career Opportunities

The Master of Arts in Reading leads to the Reading Specialist (BR), a K-12 endorsement from the State of Michigan. Students must complete all required courses in the program and successfully pass the Michigan State Endorsement Test (#092) to gain the endorsement as a Reading Specialist. The Master of Arts in Reading and the State of Michigan endorsement as a K-12 Reading Specialist can lead to a position as a building or district literacy curriculum/reading specialist, literacy coach, or reading teacher for struggling readers.

### Accreditation

The EMU College of Education is accredited by the National Council for Accreditation of Teacher Education, approved by the Michigan Department of Education for the preparation of educational personnel, and nationally recognized by the International Reading Association.

### Credits Required

- 30–31 credits in reading courses including 1 elective course of 3–4 credits
- 5–6 hours of foundation courses
- 35–37 credit hours total

### Conceptual Framework

Eastern Michigan University's advanced professional education program promotes inquiry, advocacy and leadership in education for a diverse and democratic society.

### Program Offerings

The Master of Arts in Reading is offered on the main campus at Eastern Michigan University. As in all Master's Programs, the candidate has six years to complete the Program of Study. This program is offered at two off-campus sites in Monroe, Michigan and in Brighton, Michigan during alternating cycles, when there are enough people to comprise a cohort. Eastern Michigan University reserves the right to move the off-campus cohort to campus if the enrollment in the cohort is fewer than 10 students. Those who are enrolled in courses that fall below the level for adequate enrollment may either wait until there are adequate numbers of students in the cohort to offer the course at the off-campus site, or they may shift to the Eastern Michigan University site to complete their course work.

**For More Information**

Contact the Graduate School at Eastern Michigan University at [www.gradschool.emich.edu/](http://www.gradschool.emich.edu/).

**Admission Requirements**

Complete your application for admission to Eastern Michigan University on the web: [www.emich.edu/admissions/apply/](http://www.emich.edu/admissions/apply/).

See the Teacher Education department page for specific admission requirements.

## Educational Foundations: 5-6 hours

One course from the following:

- SOFD 535 - Multicultural and International Education 2 hrs
- SOFD 572 - The History of American Schooling and Literacy 3 hrs
- SOFD 654 - Multicultural Teaching and Learning 3 hrs
- CURR 654 - Multicultural Teaching and Learning 3 hrs
- CURR 664 - Multicultural Curriculum Development 3 hrs
- CURR 665 - Differentiation in the Classroom 3 hrs

One course from the following:

- EDPS 667 - Principles of Educational Research 3 hrs
- EDPS 677 - Methods in Quantitative Research 3 hrs
- EDPS 687 - Qualitative/Interpretive Research 3 hrs

## Foundations in Reading: 12 hours

*All courses are required:*

- RDNG 655 - The Integrated Literacy Curriculum 3 hrs
- RDNG 656 - Language Development, Literacy and the Young Child 3 hrs
- RDNG 657 - Comprehension and the Content Areas 3 hrs
- RDNG 658 - Reading and Writing and the Inquiry Process 3 hrs

## Literacy Research, Assessment and Practicum: 12 hours

*Foundations in Reading courses are prerequisites for the courses in this sequence. Courses must be taken in sequence.*

*All courses are required:*

- RDNG 660 - Foundations of Literacy: Research and Theory 3 hrs
- RDNG 672 - Practicum I: Literacy Assessment 3 hrs
- RDNG 673 - Practicum II: Designing Literacy Intervention Programs 3 hrs
- RDNG 674 - Practicum III: The Literary Coach 3 hrs

## Capstone Course and Project: 3 hours

- RDNG 695 - Seminar: The Reading Professional 3 hrs

Program Total: 32-33 hours

## Master of Arts in Secondary Education (SSED)

Adviser: Ethan Lowenstein, Ph.D.

313 Porter

734.487.3260

elowenste@emich.edu

### Description of Program

The Master of Arts in Secondary Education program is a 32 credit graduate program designed to provide educational leaders an in-depth professional development as it is directly linked to their developing content expertise in the teaching of a content area to further investigate student motivation, problem-solving, critical thinking, effective instructional strategies, literacy, technology, standards-based curriculum, performance assessment strategies, diversity and special needs, differentiated classrooms, action research, culturally responsive classrooms, urban and diversity strategies. The portfolio-based program includes foundation courses, a specialized course in related educational issues, a specialization consisting of a minimum of three elective courses that reflect a thematic or other unified pattern, and a final seminar course designed to assist the student to develop their portfolio. No GRE is required for admittance.

### Admissions

For information regarding admissions please go to the Teacher Education department page located here.

NOTE: This program does not grant a teaching certificate.

## Foundations Course: 12 hours

- CURR 653 - Introduction to Curriculum Portfolios 1 hr
- EDPS 501 - Psychology of Adolescence 3 hrs
- SOFD 550 - Philosophy, Ethics and Teaching 2 hrs

### One course from the following:

- CURR 654 - Multicultural Teaching and Learning 3 hrs
- CURR 655 - Curriculum Foundations 3 hrs

### One course from the following:

- EDPS 667 - Principles of Educational Research 3 hrs
- EDPS 677 - Methods in Quantitative Research 3 hrs
- EDPS 687 - Qualitative/Interpretive Research 3 hrs

## Cohort Courses: 12 hours

- CURR 616 - Issues in Elementary School Curriculum 3 hrs
- CURR 650 - Improving Instruction through Inquiry and Assessment 3 hrs
- CURR 656 - Curriculum Design, Implementation and Evaluation 3 hrs

- CURR 665 - Differentiation in the Classroom 3 hrs

## Elective Courses: 7 hours

*Seven credit hours in consultation with an adviser.*

## Culminating Experience: 1 hour

*Master's Focus Paper in addition to:*

- CURR 694 - Seminar: Secondary Curriculum 1 hrs

## Program Total: 32 hours

### Note:

*Foundations courses are required for all master of arts in curriculum and instruction programs. These courses provide the basis on which all subsequent courses are built and must be taken within the first 18 hours of course work.*

## Master of Arts in Social Foundations of Education (SFND)

Adviser: Joe Ramsey, Ph.D.  
313 Porter  
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pramsey1@emich.edu

### Program Theme

The Master of Arts in Social Foundations of Education program seeks students with a broad range of experience and goals both within and outside of professional education. SOFD students are eager to explore issues pertaining to quality of life: social and ecological justice, globalization, and the ethics of teaching in schools and society. The goal of the program is to strengthen and inform a commitment to education for participatory democracy in a pluralistic society. Graduate students in social foundations are expected to assess the complex forces—economic, historical, social and political—that shape the structure and control of education both nationally and internationally. Students also engage in a theoretical analysis of cultural diversity as it impacts the practices and processes of education and life in a democratic society.

This program is in compliance with the Standards for Academic and Professional Instruction in Foundations of Education, Education Studies and Education Policy as defined by the American Educational Studies Association.

### Program Description

Students pursuing the M.A. degree in Social Foundations of Education may choose one of three concentrations:

- Cultural Studies, Education and Urban Contexts, which allows students to pursue individualized research interests, and provides an excellent preparation for advanced graduate study;
- EcoJustice and Education, which emphasizes analyses of the increasing destruction of the world's diverse ecosystems, languages and cultures by the globalizing and ethnocentric forces of Western consumer culture, and explores reforms within public schools and universities required to stem the tide of these problems; and
- Teaching for Diversity and Democracy, which explores issues such as gender, social class, and ethnicity as they relate to education by using theoretical frameworks and practical applications.

All concentrations equip students with the skills in qualitative or quantitative research so that they can analyze the social implications of educational policy, and can better understand the cultural, historical, political and ethical dimensions of education in a pluralistic society.

### **Model**

Eastern Michigan University's advanced professional education program promotes inquiry, advocacy and leadership in education for a diverse and democratic society.

### **Admission Requirements**

See the Teacher Education department page for specific admission requirements.

### **Retention Requirements**

Retention requirements can be considered a mid-point check in the master's degree program. It is necessary to successfully complete all retention requirements before proceeding with the remainder of the program.

To gain approval to proceed with exit requirements, each student must:

1. Complete a total of 12 but no more than 15 hours of graduate credit with an overall GPA of 3.0 or better;
2. In consultation with the adviser, establish a mid-point review committee consisting of three or four faculty members, two of whom must be from social foundations;

As a formative element of the student's program, she/he will take and successfully complete a 1-credit thesis/culminating project planning course with her/his advisor. Part of this 1-credit course will entail a formative written assignment: The student will demonstrate understanding of key program learning outcomes by broadly situating her/his potential thesis/project in the context of the required SOFD courses. This assignment is intended to function formatively for the student, in the sense that it hoped to provide the student with an opportunity to develop the material required for a thesis/project proposal. This 1 credit course and assignment must be completed before the student can enroll for her/his thesis/culminating project course.

## **Curriculum Requirements:**

### **Required Courses: 19 hours**

- SOFD 535 - Multicultural and International Education 2 hrs
- SOFD 537 - Readings in Multicultural and International Education 1 hr
- SOFD 550 - Philosophy, Ethics and Teaching 2 hrs
- SOFD 557 - Readings in Philosophy, Ethics and Teaching 1 hr
- SOFD 572 - The History of American Schooling and Literacy 3 hrs
- SOFD 580 - Sociology of Education 2 hrs
- SOFD 587 - Readings in Sociology of Education 1 hr
- SOFD 686 - Thesis/Culminating Project Development 1 hr

### **One course from the following:**

- EDPS 667 - Principles of Educational Research 3 hrs
- EDPS 677 - Methods in Quantitative Research 3 hrs
- EDPS 687 - Qualitative/Interpretive Research 3 hrs

### **One course from the following:**

- SOFD 687 - Culminating Project 3 hrs

- SOFD 692 - Thesis 3 hrs

## Restricted Electives: 11 hours

*Select one option from the following:*

### Option I: Cultural Studies, Education and Urban Contexts: 11 hours

*Eleven hours from the following:*

#### Social Foundations Electives: 4-7 hours

- CURR 654 - Multicultural Teaching and Learning 3 hrs
- SOFD 540 - Field Studies in Education 1 hr
- SOFD 541 - Field Studies in Education 2 hrs
- SOFD 542 - Field Studies in Education 3 hrs
- SOFD 560 - Anthropology and Education 3 hrs
- SOFD 570 - Women and Pedagogy: Life Histories 3 hrs
- SOFD 573 - Black Experience and American Education 2 hrs
- SOFD 581 - Gender and Education 3 hrs
- SOFD 627 - Trends and Challenges in International Education 2 hrs
- SOFD 630 - Schooling and the Politics of Fear 3 hrs
- SOFD 640 - Peace Education 3 hrs
- SOFD 654 - Multicultural Teaching and Learning 3 hrs
- SOFD 660 - Teaching for Social and Ecological Justice 3 hrs
- SOFD 661 - EcoJustice and Education 3 hrs
- SOFD 682 - Workshop in Social Foundations 1 hr
- SOFD 683 - Workshop in Social Foundations 2 hrs
- SOFD 684 - Workshop in Social Foundations 3 hrs
- WGST 660 - Teaching for Social and Ecological Justice 3 hrs

#### University Electives: 4-7 hours

*Four to seven credits outside of social foundations selected in consultation with the adviser.*

### Option II: Teaching for Diversity and Democracy: 11 hours

*Eleven hours, at least one course from each Group.*

#### Group A: Gender and Sexuality

- SOCL 515 - Sociology of Women 3 hrs
- SOFD 570 - Women and Pedagogy: Life Histories 3 hrs
- SOFD 581 - Gender and Education 3 hrs
- SOFD 661 - EcoJustice and Education 3 hrs
- WGST 515 - Sociology of Women 3 hrs
- WGST 530 - Women in Film 3 hrs



- WGST 550 - Feminist Thought 3 hrs
- WGST 575 - Theories of Sexuality 3 hrs
- WGST 581 - Gender and Education 3 hrs

### Group B: Ethnicity and Social Class

- COUN 571 - Cross-cultural Counseling 3 hrs
- EDPS 617 - Children in Poverty: Educational Implications 3 hrs
- HIST 529 - History of Detroit 2 hrs
- HIST 531 - Studies in Black History 3 hrs
- HIST 532 - Studies in Native American History 3 hrs
- SOFD 560 - Anthropology and Education 3 hrs
- SOFD 573 - Black Experience and American Education 2 hrs
- SOFD 630 - Schooling and the Politics of Fear 3 hrs
- WGST 617 - Children in Poverty: Educational Implications 2 hrs

### Group C: Theory and Practice

- CURR 654 - Multicultural Teaching and Learning 3 hrs
- CURR 655 - Curriculum Foundations 3 hrs
- CURR 664 - Multicultural Curriculum Development 3 hrs
- CURR 665 - Differentiation in the Classroom 3 hrs
- ECE 601 - Creating Supportive Learning Communities for Resilient Children 2 hrs
- SOFD 540 - Field Studies in Education 1 hr
- SOFD 541 - Field Studies in Education 2 hrs
- SOFD 542 - Field Studies in Education 3 hrs
- SOFD 640 - Peace Education 3 hrs
- SOFD 654 - Multicultural Teaching and Learning 3 hrs
- SOFD 660 - Teaching for Social and Ecological Justice 3 hrs
- SOFD 682 - Workshop in Social Foundations 1 hr
- SOFD 683 - Workshop in Social Foundations 2 hrs
- WGST 660 - Teaching for Social and Ecological Justice 3 hrs

### Option III: EcoJustice and Education: 11 hours

#### Required Courses: 6 hours

- SOFD 660 - Teaching for Social and Ecological Justice 3 hrs
- SOFD 661 - EcoJustice and Education 3 hrs

#### Restricted Elective Courses: 5 hours

*Five hours from the following:*

- GEOG 531 - American Cultural Landscapes 2 hrs
- SOFD 540 - Field Studies in Education 1 hr
- SOFD 541 - Field Studies in Education 2 hrs

- SOFD 542 - Field Studies in Education 3 hrs
- SOFD 560 - Anthropology and Education 3 hrs
- SOFD 684 - Workshop in Social Foundations 3 hrs
- WGST 526 - Topics in Feminist Philosophy 3 hrs

**Program Total: 30 hours**

## Course Rotation Schedule

Click [here](#) to access the Course Rotation Schedules page for the courses required for this program.

## Master of Arts in Urban/Diversity Education (UDE)

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 734.487.3260  
[pwilliams1@emich.edu](mailto:pwilliams1@emich.edu)

Adviser: Deborah Harmon, Ph.D.  
 313 Porter  
 734.487.3260  
[dharmon@emich.edu](mailto:dharmon@emich.edu)

The Master of Arts in Urban/Diversity Education, designed for full-time professionals, is a portfolio-structured, cohort-supported degree that prepares teachers to work in diverse settings. Cutting edge best practices in teaching and learning draw on the classroom teacher's experiences and value the expertise that comes only through field experience. In order to fit teachers' schedules, courses are offered in short formats, on the weekends, during the summer, and on selected evenings. Authentic assignments, discussions and activities are situated in the teacher's classroom, school, and community.

### Admissions

For information regarding admissions please go to the Teacher Education department page located [here](#).

NOTE: This program does not grant a teaching certificate.

## Foundation Courses: 15 hours

- AAS 541 - Law, Race and Community 3 hrs
- CURR 652 - Introduction to Urban/Diversity Education 2 hrs
- CURR 653 - Introduction to Curriculum Portfolios 1 hr
- CURR 654 - Multicultural Teaching and Learning 3 hrs
- EDPS 600 - Human Development 3 hrs

One course from the following:

- EDPS 667 - Principles of Educational Research 3 hrs
- EDPS 687 - Qualitative/Interpretive Research 3 hrs

## Urban Education Cohort Courses: 12 hours

- CURR 616 - Issues in Elementary School Curriculum 3 hrs
- CURR 664 - Multicultural Curriculum Development 3 hrs
- CURR 665 - Differentiation in the Classroom 3 hrs
- CURR 674 - Creating Culturally Responsive Classrooms 3 hrs

## Professional Courses: 6 hours

- CURR 650 - Improving Instruction through Inquiry and Assessment 3 hrs
- CURR 687 - Internship in Teacher Education 2 hrs
- CURR 694 - Seminar: Portfolio 1 hr

## Program Total: 33 hours

## Master's with Teacher Certification

## Master of Arts in Teaching

Adviser: Nelson Malone, Ed.D.  
 313 Porter  
 734.487.3260  
 nmalone@emich.edu

The MAT Program with a concentration in Secondary Biology (STB), Secondary Chemistry (STC), Secondary Earth Science (SES), Secondary Integrated Science (SIS), Secondary Mathematics (STM) or Secondary Physics (SPH)/Physical Science (SPS) is a full time 46-48 hour program, and leads to initial teaching certification in Biology, Chemistry, Earth and Space Science, Integrated Science, Mathematics or Physics/Physical Science grades 6-12. The program is intended for students with a BA or BS in biology, chemistry, earth science, integrated science, mathematics or physics/physical science, or an equivalent degree (e.g., Engineering) who wish to earn a State of Michigan teacher certification.

## Choose one concentration from the following:

*Students choose one concentration from the following to complete the Master of Arts in Teaching:*

Secondary Biology (STB) Concentration

Secondary Chemistry (STC) Concentration

Secondary Earth Science (SES) Concentration

Secondary Integrated Science (SIS) Concentration

Secondary Mathematics (STM) Concentration

Secondary Physics (SPH) or Physical Science (SPS) Concentration

## Master of Arts in Teaching - Secondary Biology Concentration (MAT-ED STB)

The MAT - Secondary Biology Concentration is a full-time, 43 credit hour program, which leads to initial teaching certification in high school biology and an endorsement to science in grades 6-8. The program is designed for qualified students to begin in the Spring semester and finish at the end of the following Summer semester. The program is intended for students with a BA or BS in biology or a biology-related field who wish to earn a State of Michigan teacher certificate.

### **Admission**

The following are qualifications for admission to the MAT - Secondary Biology Concentration Program:

1. An undergraduate degree in biology or a biology-related field from an accredited college or university;
2. A minimum of 28 semester hours in biology coursework is required and must include the following:
  - Genetics
  - Physiology
  - Botany
  - Zoology
3. Two semesters of Introductory Chemistry;
4. One semester of Organic Chemistry;
5. One semester of Biochemistry (or a second semester of Organic Chemistry);
6. Two semesters of Introductory Physics;
7. One semester of Calculus or Statistics;
8. Minimum grade point average of 2.75 in the last half of undergraduate work;
9. Two letters of recommendation, including one from a college professor;
10. Pass on all sections of the MTTC Basic Skills Test;
11. Attendance of a MAT orientation meeting and completion of an on-demand writing assessment;
12. And a signed statement regarding civil/criminal conviction(s).

## **Biology Content Courses: 9 hours**

- Any BIO or BIOT elective (3 hrs)
- BIO 508 - Historical Analysis of Biological Investigations 3 hrs
- BIOT 506 - Methods for Teaching Secondary Biology 3 hrs

## **MAT Core Professional Studies in Education: 34 hours**

- CURR 505 - Curriculum and Methods for Teaching in the Secondary School 3 hrs
- CURR 588 - School Issues Seminar: Secondary 2 hrs
- EDMT 602 - Technology and Student-Centered Learning 3 hrs
- EDPS 501 - Psychology of Adolescence 3 hrs
- EDPS 627 - Designing Classroom Assessments 3 hrs

- EDUC 592 - Teaching Internship 6 hrs
- PHY 520 - Teaching of Physical Science 3 hrs
- PRCT 588 - Practicum in Secondary Classrooms 2 hrs
- RDNG 657 - Comprehension and the Content Areas 3 hrs
- SOFD 655 - Education for Justice: Toward a Diverse, Democratic and Sustainable Society 3
- SPGN 510 - Introduction to Inclusive Education and Disability Studies 3 hrs

Program Total: 43 hours

## Masters of Arts-Teaching Concentrations

For other Masters in Teaching Concentrations please click [here](#)

### **Master of Arts in Teaching - Secondary Chemistry Concentration (MAT-ED STC)**

The MAT - Secondary Chemistry Concentration leading to an initial teaching endorsement in chemistry grades 6-12, is a full-time 44 hour program. The program is designed for a qualified student to begin in the Fall semester and finish at the end of the following second Winter semester. Primarily, admission to the program will be in Spring/Summer, with coursework to begin in September. The program is intended for students with a BA or BS in chemistry or an equivalent degree who wish to earn a State of Michigan teacher certification.

#### **Admission**

The following are qualifications for admission to the MAT - Secondary Chemistry Concentration Program (please note that completion of prior science coursework is required for admission and cannot be included in hours required for the MAT degree):

1. An undergraduate degree in chemistry or a closely related field from an accredited college or university;
2. A minimum of 32 semester hours in chemistry coursework is required and must include the following:
  - Calculus-Based Physical Chemistry (CHEM 361 or equivalent) (3 hrs)
  - Organic Chemistry (CHEM 371/372/373 or equivalent) (8 hrs)
  - CHEM 121, CHEM 122, CHEM 123 and CHEM 124 (or equivalent) (8 hrs)
  - Quantitative Analysis (CHEM 281 or equivalent) (4 hrs)
  - Biochemistry (CHEM 351 or equivalent) (3 or 4 hrs)
  - Analytical Instrumentation (CHEM 381 or equivalent) (2 hrs)
  - Chemistry Elective (300-level or higher) (3 or 3 hrs)
  - (PHY 221 or PHY 223) and (PHY 222 or PHY 224) (8-10 hrs)
  - Mathematics
    - Trigonometry
    - Calculus

3. Minimum grade point average of 2.75 or 3.0 in the last half of undergraduate work;
4. Two letters of recommendation, including one from a college professor, which speak to the applicant's ability to pursue graduate-level work as well as their capacity to work as a secondary school teacher;
5. Pass on all sections of MTTC Basic Skills Test;
6. Attendance of a MAT orientation meeting and completion of an on-demand writing assessment;
7. Completed Graduate Admission Application Form and application fee;
8. If applicable, submission of evidence of English language proficiency as documented by official test scores on the TOEFL, MELAB or IELTS;
9. And a signed statement requiring civil/criminal conviction(s).

## Chemistry Content Courses: 9 hours

- CHEM 510 - Computer Applications in Chemistry 2 hrs
- CHEM 525 - Modern Chemistry for Educators I 3 hrs
- CHEM 526 - Modern Chemistry for Educators II 3 hrs
- CHEM 697 - Research in Chemistry 1 hr

## MAT Core Professional Studies in Education: 33 hours

- CHEM 520 - Advanced Methodology for Secondary Chemistry Teachers 4 hrs
- CURR 505 - Curriculum and Methods for Teaching in the Secondary School 3 hrs
- CURR 588 - School Issues Seminar: Secondary 2 hrs
- EDMT 602 - Technology and Student-Centered Learning 3 hrs
- EDPS 501 - Psychology of Adolescence 3 hrs
- EDPS 627 - Designing Classroom Assessments 3 hrs
- EDUC 592 - Teaching Internship 6 hrs
- PRCT 588 - Practicum in Secondary Classrooms 2 hrs
- RDNG 657 - Comprehension and the Content Areas 3 hrs
- SOFD 655 - Education for Justice: Toward a Diverse, Democratic and Sustainable Society 3
- SPGN 510 - Introduction to Inclusive Education and Disability Studies 3 hrs

Program Total: 42 hours

## Master of Arts in Teaching - Secondary Earth Science Concentration (MAT-ED SES)

The MAT - Secondary Earth Science Concentration, leading to initial teaching certification in Earth and Space Science grades 6-12, is a full-time 47 hour program. The program is designed for a qualified student to begin in the Fall semester and finish at the end of the following second Winter semester. Primarily, admission to the program will be in Spring/Summer, with coursework to begin in September. The program is intended for students with a BA or BS in Earth Science and/or Geology who wish to earn a State of Michigan teacher certification.

## **Admission**

The following are qualifications for admission to the MAT - Secondary Earth Science Concentration Program (please note that completion of prior science coursework is required for admission and cannot be included in hours required for the MAT degree):

1. An undergraduate degree in Earth Science or closely related field from an accredited college or university. A minimum of 30 semester hours in Earth Science coursework is required and must include:
  - Astronomy with laboratory
  - Introductory Geology with laboratory
  - Historical Geology with laboratory
  - Rock and Minerals or Igneous Petrology and Mineralogy, all with laboratories
  - Paleontology with laboratory
  - Weather with laboratory
  - Oceanography with laboratory
2. Minimum grade point average 2.75 or 3.0 in the last half of the undergraduate work;
3. Two letters of recommendation, including one from a college professor, which speak to the applicant's ability to pursue graduate-level work as well as their capacity to work as a secondary school teacher;
4. Pass on all sections of MTTC Basic Skills Test;
5. Attendance of a MAT orientation meeting and completion of an on-demand writing assessment;
6. A completed Graduate Admission Application Form and application fee;
7. If applicable, submission of evidence of English language proficiency as documented by official test scores on the TOEFL, MELAB or IELTS;
8. And a signed statement requiring civil/criminal conviction(s).

## **Earth Science Content Courses: 13 hours**

*Note: Other electives are also available in the cases where students have already taken something similar to the courses listed below. Please see the Earth Science Master's program for more information.*

- ESSC 406 - Nature of Science 1 hr
- ESSC 425 - Severe and Unusual Weather 3 hrs
- ESSC 514 - Teaching Science with Dinosaurs 3 hrs
- ESSC 520 - GIS Introduction for Educators 3 hrs
- ESSC 569 - Principles of Hydrology for Educators 3 hrs

## **MAT Core Professional Studies in Education: 34 hours**

- CURR 505 - Curriculum and Methods for Teaching in the Secondary School 3 hrs
- CURR 588 - School Issues Seminar: Secondary 2 hrs
- EDMT 602 - Technology and Student-Centered Learning 3 hrs
- EDPS 501 - Psychology of Adolescence 3 hrs

- EDPS 627 - Designing Classroom Assessments 3 hrs
- EDUC 592 - Teaching Internship 6 hrs
- ESSC 565 - New Approaches to Teaching Earth Science 3 hrs
- PRCT 588 - Practicum in Secondary Classrooms 2 hrs
- RDNG 657 - Comprehension and the Content Areas 3 hrs
- SOFD 655 - Education for Justice: Toward a Diverse, Democratic and Sustainable Society 3
- SPGN 510 - Introduction to Inclusive Education and Disability Studies 3 hrs

**Program Total: 47 hours**

## Masters of Arts-Teaching Concentrations

For other Masters in Teaching Concentrations please click [here](#)

### **Master of Arts in Teaching - Secondary Integrated Science Concentration (MAT-ED SIS)**

The MAT - Secondary Integrated Science Concentration is a full-time 47-52 hour program leading to initial teaching certification in Integrated Science grades 6-12. The program is designed for a qualified student to begin in the Spring semester and finish at the end of the following second Winter semester. Admission to the program will be typically in Winter, with coursework to begin in May. The program is intended for students with a BA or BS in Integrated/General Science or an equivalent degree who wish to earn State of Michigan teacher certification.

### **Science Content Courses: 11-16 hours**

#### **Biology: 3-4 hours**

Choose one course from the following:

- BIOT 530 - Understanding Our Environment 3 hrs
- BIOT 531 - Field Studies for Life Science Educators 4 hrs

#### **Earth and Space Science: 2-3 hours**

Choose one course from the following:

- ASTR 503 - Astronomy I 2 hrs
- ESSC 501 - Environmental Earth Science for Educators 3 hrs
- ESSC 569 - Principles of Hydrology for Educators 3 hrs

#### **History of Science: 2-3 hours**

Choose one course from the following:

- BIO 508 - Historical Analysis of Biological Investigations 3 hrs
- PHY 540 - The History of Physics and Astronomy 2 hrs



## Physical Science: 2-3 hours

Choose one course from the following:

- CHEM 525 - Modern Chemistry for Educators I 3 hrs
- PSCI 515 - Modern Physics for Teachers I 2 hrs

## Science Technology for Educators: 2-3 hours

Choose one course from the following:

- CHEM 510 - Computer Applications in Chemistry 2 hrs
- ESSC 520 - GIS Introduction for Educators 3 hrs
- PHY 514 - Instrumentation for Teachers 3 hrs

## MAT Core Professional Studies in Education: 36 hours

- CURR 505 - Curriculum and Methods for Teaching in the Secondary School 3 hrs
- CURR 588 - School Issues Seminar: Secondary 2 hrs
- EDMT 602 - Technology and Student-Centered Learning 3 hrs
- EDPS 501 - Psychology of Adolescence 3 hrs
- EDPS 627 - Designing Classroom Assessments 3 hrs
- EDUC 592 - Teaching Internship 6 hrs
- PHY 520 - Teaching of Physical Science 3 hrs
- PHY 650 - New Approaches to Teaching Physics I 3 hrs
- PRCT 588 - Practicum in Secondary Classrooms 2 hrs
- RDNG 657 - Comprehension and the Content Areas 3 hrs
- SOFD 655 - Education for Justice: Toward a Diverse, Democratic and Sustainable Society 3
- SPGN 510 - Introduction to Inclusive Education and Disability Studies 3 hrs

Program Total: 47-52 hours

## Masters of Arts-Teaching Concentrations

For other Masters in Teaching Concentrations please click [here](#)

## Master of Arts in Teaching - Secondary Mathematics (MAT-ED STM) Concentration

The MAT - Secondary Mathematics Concentration Program, leading to initial teaching certification in Mathematics grades 6-12, is a full time 46-48 hour program. The program is intended for students with a BA or BS in Mathematics or an equivalent degree (e.g., Engineering) who wish to earn a State of Michigan teacher certification.

### Admission

The following are qualifications for admission to the MAT - Secondary Mathematics Concentration Program (please note that

completion of prior mathematic coursework is required for admission and cannot be included in hours required for the MAT degree):

1. An undergraduate degree in mathematics or closely related field from an accredited college or university. A minimum of 30 semester hours in mathematics coursework is required and must include:
  - Calculus (2 semester sequences)
  - Linear Algebra
  - Introduction to Mathematical Proof or Abstract Algebra
  - Probability and Statistics
  - Multivariable Calculus
2. Minimum grade point average 2.75 or 3.0 in the last half of the undergraduate work;
3. Two letters of recommendation, including one from a college professor, which speak to the applicant's ability to pursue graduate level work as well as their capacity to work as a secondary school teacher;
4. Pass on all sections of MTTC Basic Skills Test;
5. Attendance of a MAT orientation meeting and completion of an on-demand writing assessment;
6. A completed Graduate Admission Application Form and application fee;
7. If applicable, submission of evidence of English language proficiency as documented by official test scores on the TOEFL, MELAB, or IELTS;
8. Signed statement requiring civil/criminal conviction(s);
9. Optional: Faculty from the program may choose to interview applicants.

## Mathematics Content Courses: 11-13 hours

### Required Courses:

- MATH 508 - Foundations of Mathematics 2 hrs
- MATH 515 - Discrete Mathematics with Applications 3 hrs
- MATH 589 - Geometry for Secondary Teachers 2 hrs

### Restricted Electives:

*Select two additional courses from the following:*

- MATH 518 - Theory of Groups 3 hrs
  - MATH 536 - Numerical Analysis 3 hrs
  - MATH 583 - Problem Solving 2 hrs
  - MATH 586 - Multicultural Perspectives in Mathematics for Teachers 2 hrs
  
  - MATH 591 - Special Topics 2 hrs
- OR**

- MATH 592 - Special Topics 3 hrs

## MAT Core Professional Studies in Education: 35 hours

- CURR 505 - Curriculum and Methods for Teaching in the Secondary School 3 hrs
- CURR 588 - School Issues Seminar: Secondary 2 hrs
- EDMT 602 - Technology and Student-Centered Learning 3 hrs
- EDPS 501 - Psychology of Adolescence 3 hrs
- EDPS 627 - Designing Classroom Assessments 3 hrs
- EDUC 592 - Teaching Internship 6 hrs
- MATH 582 - Technology for Mathematics Educators 2 hrs
- MATH 588 - High School Mathematics, Methods and Content 3 hrs
- PRCT 588 - Practicum in Secondary Classrooms 2 hrs
- RDNG 657 - Comprehension and the Content Areas 3 hrs
- SOFD 655 - Education for Justice: Toward a Diverse, Democratic and Sustainable Society 3
- SPGN 510 - Introduction to Inclusive Education and Disability Studies 3 hrs

Program Total: 46-48 hours

## Masters of Arts-Teaching Concentrations

For other Masters in Teaching Concentrations please click [here](#)

## Master of Arts in Teaching - Secondary Physics (MAT-ED SPH) or Physical Science (MAT-ED SPS) Concentration

The MAT Physics or Physical Science Program, leading to initial teaching certification in Physics or Physical Science grades 6-12, is a full time 45-47 hour program. The program is designed for a qualified student to begin in the Fall semester and finish at the end of the following second Winter semester. Primarily, admission to the program will be in Spring/Summer, with coursework to begin in September. The program is intended for students with a BA or BS in Physics, Physical Science, and/or Integrated Science or General Science, or an equivalent degree (e.g., Engineering) who wish to earn a State of Michigan teacher certification.

### Admission

The following are qualifications for admission to the MAT - Secondary Physics or Physical Science Concentration Program:

1. Physics: An undergraduate degree in physics or closely related field from an accredited college or university. A minimum of 30 semester hours in physics coursework is required and must include:
  - Calculus based mechanics, heat and sound & electricity and light (2 semester sequences)
  - Astronomy with laboratory
  - Intermediate mechanics and laboratory
  - Electricity and magnetism
  - Heat and thermodynamics

- Modern physics and laboratory
2. Physical Science: An undergraduate degree in physics, chemistry, physical science or closely related field from an accredited college or university. A minimum of 54 semester hours in physical science coursework is required and must include:
    - Introductory astronomy
    - General chemistry with laboratory (two course sequence)
    - Organic chemistry and laboratory
    - Chemistry quantitative analysis
    - Biochemistry
    - Earth Science - Earth Systems
    - Physics: mechanics, heat and sound & electricity and light (2 semester sequence)
    - Modern physics and laboratory
    - Thermodynamics
    - A biology course
  3. Minimum grade point average 2.75 or 3.0 in the last half of the undergraduate work;
  4. Two letters of recommendation, including one from a college professor, which speak to the applicant's ability to pursue graduate level work as well as their capacity to work as a secondary school teacher;
  5. Pass on all sections of MTTC Basic Skills Test;
  6. Attendance of a MAT orientation meeting and completion of an on-demand writing assessment;
  7. A completed Graduate Admission Application Form and application fee;
  8. If applicable, submission of evidence of English language proficiency as documented by official test scores on the TOEFL, MELAB, or IELTS;
  9. And a signed statement requiring civil/criminal conviction(s).

## Physics Content Courses: 9-11 hours

- \* PHY 511 - Mechanics, Sound and Heat for Teachers 3 hrs
- \*\* PHY 512 - Light, Electricity, and Magnetism for Teachers 3 hrs
- PHY 514 - Instrumentation for Teachers 3 hrs
- PHY 540 - The History of Physics and Astronomy 2 hrs

## MAT Core Professional Studies in Education: 36 hours

- CURR 505 - Curriculum and Methods for Teaching in the Secondary School 3 hrs
- CURR 588 - School Issues Seminar: Secondary 2 hrs
- EDMT 602 - Technology and Student-Centered Learning 3 hrs

- EDPS 501 - Psychology of Adolescence 3 hrs
- EDPS 627 - Designing Classroom Assessments 3 hrs
- EDUC 592 - Teaching Internship 6 hrs
- PHY 520 - Teaching of Physical Science 3 hrs
- PHY 650 - New Approaches to Teaching Physics I 3 hrs
- PRCT 588 - Practicum in Secondary Classrooms 2 hrs
- RDNG 657 - Comprehension and the Content Areas 3 hrs
- SOFD 655 - Education for Justice: Toward a Diverse, Democratic and Sustainable Society 3
- SPGN 510 - Introduction to Inclusive Education and Disability Studies 3 hrs

**Program Total: 45-47 hours**

### Note:

\* Either this course or PHY 515 Atomic and Nuclear Physics I (2 hrs) may be taken, with departmental permission

\*\* Either this course or PHY 516 Atomic and Nuclear Physics II (2 hrs) may be taken, with departmental permission

## Masters of Arts-Teaching Concentrations

For other Masters in Teaching Concentrations please click [here](#)

## Curriculum

### **CURR 500 - Professional Educator Development Program**

For in-service professional and personal development. Not applicable to an advanced degree.

**Credit Hours:** 1/2/3 hrs

**Repeatable:** May be repeated for credit.

### **CURR 505 - Curriculum and Methods for Teaching in the Secondary School**

This course focuses on curriculum and teaching strategies that enhance learning at the secondary level. Students will explore curriculum approaches, teaching and instructional strategies, and classroom management. Students will become familiar with the ways in which secondary schools function, both within their buildings and within their broader communities. Current issues affecting the secondary classroom are examined. This course provides students with an opportunity to develop and evaluate standards-based instructional and curricular materials. Course also includes a planned practicum experience in a school classroom.

**Credit Hours:** 3 hrs

**Major Restrictions:** Masters of Art in Teaching

**Last Updated:** 05/2011

### **CURR 510 - Developing Creativity in the Classroom**

Helps teachers plan activities that encourage creativity in students. Emphasizes the direct teaching of creative thinking skills, developing a supportive classroom atmosphere and enhancing the teacher's personal creativity.

**Credit Hours:** 2 hrs

### **CURR 512 - Enriching the Elementary Classroom Program**

This course is designed to help teachers use a variety of techniques to develop materials and strategies for classroom enrichment. Reinforcement and extension activities using application projects, exploratory activities, interdisciplinary connections and independent learning strategies will be included.

**Credit Hours:** 3 hrs

### **CURR 552 - The Pedagogy of Group Learning**

The course presents a variety of methods for using groups and social learning in classrooms. The methods include, among others, cooperative learning, group investigation, simulation and role-playing. Theory, practice, application, evaluation and critical analysis of the methods will be stressed.

**Credit Hours:** 2 hrs

### **CURR 560 - Establishing an Inclusive Classroom Environment**

This course will review case studies, general teacher practices and the theoretical base for establishing classroom and environments that meet the needs of every student. Additionally, there will be a review and critique of emerging legal issues, information systems and programs that affect discipline.

**Credit Hours:** 3 hrs

### **CURR 572 - Education of the Gifted Child**

The identification of gifted pupils; the use of test results, psychological services and cumulative records. Curricula stressing enrichment and acceleration and the use of community resources; of special value to classroom teachers.

**Credit Hours:** 2 hrs

### **CURR 588 - School Issues Seminar: Secondary**

This course seminar taken concurrently with the Teaching Internship is designed to help candidates become reflective teachers by providing a forum for collaborative, critical inquiry based on their teaching experience. The course offers opportunities and frameworks for thinking about and analyzing classroom situations, the teaching-learning process, classroom management, current issues in education, and professional goals and development.

**Credit Hours:** 2 hrs

**Prerequisites:** CURR 505 and MATH 588

**Corequisites:** EDUC 592

**Last Updated:** Links 05/2011

### **CURR 590 - Special Topics**

**Credit Hours:** 1 hr

## **CURR 591 - Special Topics**

**Credit Hours:** 2 hrs

## **CURR 592 - Special Topics**

**Credit Hours:** 3 hrs

## **CURR 597 - Workshop**

Students will be provided practical and theoretical study in a selected topic area.

**Credit Hours:** 4 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

## **CURR 598 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **CURR 599 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **CURR 607 - Colloquium**

**Credit Hours:** 2 hrs

## **CURR 616 - Issues in Elementary School Curriculum**

Issues involving curriculum-development determinants and approaches, and the concept of change. Emphasis is on the role of the teacher in curriculum development.

**Credit Hours:** 3 hrs

## **CURR 618 - Middle Level Education: Theory and Practice**

This course provides the background in the philosophy and history of middle-level education, and examines curriculum and instruction particular to the unique developmental needs of pre-adolescents.

**Credit Hours:** 3 hrs

## **CURR 620 - Issues in Middle Level Curriculum**

This course focuses on the curricular implications of issues which address responsive middle grades program components and curriculum. Emphasis is placed on developmental and cultural appropriateness, and collaboration with students, colleagues, the family and the community.

**Credit Hours:** 3 hrs

### **CURR 622 - Effective Teaching in Middle Level Education**

This class focuses on instructional aspects of programs and classrooms in middle schools that are appropriate for the developmental needs of pre-adolescents. Included are interdisciplinary curricula, scheduling, adviser/advisee programs, instructional methods and materials, teaming, affective outcomes and classroom management.

**Credit Hours:** 3 hrs

### **CURR 632 - Individualizing Instruction in the Secondary School**

A course designed to help secondary teachers meet individual differences among their students by using a variety of resources, pupil involvement, thematic approaches and other teaching strategies.

**Credit Hours:** 2 hrs

### **CURR 639 - Continuous Enrollment**

Graduate students who are completing research (Master's or Specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Course is offered on a credit/no-credit basis

### **CURR 650 - Improving Instruction through Inquiry and Assessment**

This course emphasizes the continued growth of the classroom teacher and the exercise of effective, culturally responsive instruction through an examination of student's learning, processes, perceptions and patterns of development. Action research methodologies, developmental theory, critical theory and analysis of student work samples help frame an understanding of students.

**Credit Hours:** 3 hrs

### **CURR 652 - Introduction to Urban/Diversity Education**

This course constructs the framework for urban and diversity education studies through its examination of the emergence and transformation of urban teaching and its institutions. Critiqued through social, sociocultural, political and economic lenses, the history of politics in education will frame a discussion of equity, voice, marginalization and resilience in the classroom.

**Credit Hours:** 2 hrs

**Prerequisites:** Students must be admitted to the College of Education

**Corequisites:** CURR 653

**Major Restrictions:** Masters in Urban/Diversity Education

**Last Updated:** Links 05/2011



## **CURR 653 - Introduction to Curriculum Portfolios**

This is a prerequisite to all other coursework in all curriculum and instruction masters degrees. Issues of standards, artifact collection, critical reflection, variety of portfolios, models of instruction and assessment as well as examined professional growth will provide the necessary background for the successful completion of the capstone experiences.

**Credit Hours:** 1 hr

**Prerequisites:** Students must be admitted to the College of Education

**Corequisites:** CURR 652

**Major Restrictions:** Students must be enrolled in one of the following programs: Masters in Middle Level Education; Masters of Urban/Diversity Education; Masters in Elementary Education; Masters in Secondary Education; Masters in Curriculum and Instruction

**Last Updated:** Links 05/2011

## **CURR 654 - Multicultural Teaching and Learning**

This course provides a critical framework in which to examine and develop skills and understandings necessary for teaching in a multicultural world.

**Credit Hours:** 3 hrs

**Cross-listed with:** SOFD 654

**Last Updated:** Links 05/2011

## **CURR 655 - Curriculum Foundations**

This course provides the background a teacher/curriculum worker must have to examine, analyze, interpret and evaluate curriculum programs, proposals and curricular decisions. The course will address historical, economic, political, cultural, intellectual, social and personal forces which influence contemporary curriculum and professional ideologies which shape classroom decisions.

**Credit Hours:** 3 hrs

## **CURR 656 - Curriculum Design, Implementation and Evaluation**

This course hones curriculum workers skills and knowledge in designing, implementing and evaluating curriculum plans and programs, in designing in-service sessions, in writing curriculum papers and reports, and in evaluating projects. This work is framed by today's school climate that is influenced by political cultural, social, racial, ethnic and economic factors.

**Credit Hours:** 3 hrs

## **CURR 657 - The Open Classroom**

The open classroom tied to a demonstration center, planning an integrated day based upon learning centers and pupil self-direction, the child-centered experience-based curriculum. Designed to help free teachers to become more innovative, open, creative and human in curriculum development.

**Credit Hours:** 4 hrs

## **CURR 660 - Assisting Student Teachers and New Teachers**

This course is designed for teachers who are employed as clinical faculty, student teaching supervisors, cooperating teachers and mentor teachers. It develops teachers' awareness of their own reflective decision-making through action research, discussions and simulations. The course also presents a framework for assessing student teachers' development. Finally, teachers practice and analyze coaching and problem-solving strategies for promoting reflective decision-making.

**Credit Hours:** 2 hrs

### **CURR 663 - Effective Partnership Strategies for Secondary Schools**

This course is designed to develop students' reflective thinking by examining current critical issues that affect and help shape education in American schools. Students will examine complex issues from multiple perspectives and through the degree-required Masters Focus Paper, develop new knowledge adding to the current debates/practices such as equity and diversity, technology, change, educational reform and curriculum development determinants.

**Credit Hours:** 2 hrs

**Prerequisites:** CURR 652; CURR 653

**Last Updated:** Links 05/2011

### **CURR 664 - Multicultural Curriculum Development**

The purpose of this course is to further develop participants' multicultural skills and understandings through readings, class discussion, simulation and self-critique, as well as through the examination, analyzation and creation of curricular and multicultural materials.

**Credit Hours:** 3 hrs

**Prerequisites:** CURR 652; CURR 653; admission to the College of Education

**Last Updated:** Links 05/2011

### **CURR 665 - Differentiation in the Classroom**

The course is designed to provide the knowledge and skills, concepts and dispositions necessary for differentiating curriculum to meet the needs of all students in the mixed-ability classroom.

**Credit Hours:** 3 hrs

**Prerequisites:** CURR 652; CURR 653; admission to the College of Education

**Last Updated:** Links 05/2011

### **CURR 667 - Teacher as Intellectual Inquirer**

This course emphasizes classroom inquiry for practitioners. Teachers explore autobiography, multiple and personal voices, and narratives in context. Readings and projects connect teachers' own agenda with school change and environment.

**Credit Hours:** 2 hrs

### **CURR 673 - Curriculum and Teaching Strategies for the Gifted and Talented**

This is a study of curricular options and teaching models, and strategies appropriate for the differentiated learning needs of gifted/talented students.

**Credit Hours:** 2 hrs

## **CURR 674 - Creating Culturally Responsive Classrooms**

The purpose of this class is to further develop students' cultural competency and multicultural teaching skills to create culturally responsive classrooms with learning environments where all students feel safe, affirmed and nurtured.

**Credit Hours:** 3 hrs

**Prerequisites:** CURR 652; CURR 653

**Last Updated:** Links 05/2011

## **CURR 675 - Eastern Michigan Writing Project Summer Institute**

For practicing K-12 teachers across disciplines. Participants investigate and experience current practices in literacy instruction. Based upon National Writing Project assumptions, participants read, write and reflect upon their teaching.

**Credit Hours:** 5 hrs

**Prerequisites:** department permission

**Cross-listed with:** ENGL 675

**Last Updated:** Links 05/2011

## **CURR 676 - Education of the Gifted and Talented: Underrepresented Populations**

This course examines barriers that cause underrepresentation of student populations in gifted programs. It discusses identification and programming strategies for gifted students with disabilities, underachieving students and students from diverse cultural groups.

**Credit Hours:** 2 hrs

## **CURR 679 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. Subject matter will change from semester to semester. Students may elect this course more than once, provided different topics are covered.

**Credit Hours:** 1 hr

## **CURR 680 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. Subject matter will change from semester to semester. Students may elect this course more than once, provided different topics are covered.

**Credit Hours:** 2 hrs

## **CURR 681 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. Subject matter will change from semester to semester. Students may elect this course more than once, provided different topics are covered.

**Credit Hours:** 3 hrs

## **CURR 682 - Workshop in Curriculum**

**Credit Hours:** 1 hr

### **CURR 683 - Workshop in Curriculum**

**Credit Hours:** 2 hrs

### **CURR 684 - Workshop in Curriculum**

**Credit Hours:** 3 hrs

### **CURR 685 - Workshop in Curriculum**

**Credit Hours:** 4 hrs

### **CURR 686 - Internship in Teacher Education**

Provides a supervised opportunity for students to apply knowledge and skills gained through classroom activity in a "real world" working environment. Internship sites and supervisory arrangements must be approved by program adviser prior to registration.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **CURR 687 - Internship in Teacher Education**

Provides a supervised opportunity for students to apply knowledge and skills gained through classroom activity in a "real world" working environment. Internship sites and supervisory arrangements must be approved by program adviser prior to registration.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **CURR 688 - Internship in Teacher Education**

Provides a supervised opportunity for students to apply knowledge and skills gained through classroom activity in a "real world" working environment. Internship sites and supervisory arrangements must be approved by program adviser prior to registration.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **CURR 690 - Thesis/ Curriculum Project**

This course is designed to be the culmination of master degree programs in elementary, middle school or secondary curriculum. Students must have a thesis/project proposal approved by a faculty committee before registering.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **CURR 691 - Thesis/ Curriculum Project**

This course is designed to be the culmination of master degree programs in elementary, middle school or secondary curriculum. Students must have a thesis/project proposal approved by a faculty committee before registering.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **CURR 692 - Thesis/ Curriculum Project**

This course is designed to be the culmination of master degree programs in elementary, middle school or secondary curriculum. Students must have a thesis/project proposal approved by a faculty committee before registering.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **CURR 694 - Seminar: Elementary School Curriculum**

Students in elementary-level education program plan and prepare proposals for the culminating thesis/project.

**Credit Hours:** 1 hr

### **CURR 694 - Seminar: Middle Level Curriculum**

Students in middle-level education program plan and prepare proposals for the culminating thesis/project.

**Credit Hours:** 1 hr

### **CURR 694 - Seminar: Portfolio**

Students will review the major domains of knowledge they will encounter on the comprehensive examination through participating in individual and study-group research.

**Credit Hours:** 1 hr

### **CURR 694 - Seminar: Secondary Curriculum**

Students in secondary-level education program plan and prepare proposals for the culminating thesis/project.

**Credit Hours:** 1 hrs

### **CURR 697 - Independent Study**

An intensive study of a problem or group of problems. The completed study must give evidence of the student's ability to select a problem and set it up and pursue it to satisfactory completion.

**Credit Hours:** 1 hr

**Prerequisites:** Must be done with approval of a full-time member of the faculty.

### **CURR 698 - Independent Study**

An intensive study of a problem or group of problems. The completed study must give evidence of the student's ability to select a problem and set it up and pursue it to satisfactory completion.

**Credit Hours:** 2 hrs

**Prerequisites:** Must be done with approval of a full-time member of the faculty.

### **CURR 699 - Independent Study**

An intensive study of a problem or group of problems. The completed study must give evidence of the student's ability to select a problem and set it up and pursue it to satisfactory completion.

**Credit Hours:** 3 hrs

**Prerequisites:** Must be done with approval of a full-time member of the faculty.

### **CURR 780 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **Early Childhood Education**

### **ECE 551 - Inclusive Classrooms in Early Childhood**

This course prepares early childhood teachers to teach young children with exceptional needs in early childhood or early childhood special education classrooms. It addresses Special Education history, theory, models and laws pertaining to young children as well as inclusive curricular, assessment, and family approaches, teaming and collaboration and managing challenging behavior.

**Credit Hours:** 3 hrs

**Prerequisites:** admission to the College of Education

**Major Restrictions:** Students in Early Childhood Education only

**Cross-listed with:** SPGN 551

**Last Updated:** Prerequisite Change 05/2012, effective Fall 2012; Links 05/2011

### **ECE 590 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. Subject matter will change from semester to semester. Students may elect this course more than once, provided different topics are covered.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **ECE 591 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. Subject matter will change from semester to semester. Students may elect this course more than once, provided different topics are covered.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **ECE 592 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. Subject matter will change from semester to semester. Students may elect this course more than once, provided different topics are covered.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **ECE 597 - Independent Study**

An intensive study of a problem or group of problems. The completed study must give evidence of the student's ability to select a problem and set it up and pursue it to satisfactory completion.

**Credit Hours:** 1 hr

**Notes:** Must be done with approval of a full-time member of the faculty.

### **ECE 598 - Independent Study**

An intensive study of a problem or group of problems. The completed study must give evidence of the student's ability to select a problem and set it up and pursue it to satisfactory completion.

**Credit Hours:** 2 hrs

**Notes:** Must be done with approval of a full-time member of the faculty.

### **ECE 599 - Independent Study**

An intensive study of a problem or group of problems. The completed study must give evidence of the student's ability to select a problem and set it up and pursue it to satisfactory completion.

**Credit Hours:** 3 hrs

**Notes:** Must be done with approval of a full-time member of the faculty.

### **ECE 600 - Trends, Issues and Advocacy in Early Childhood Education**

Contemporary issues and trends in the field of Early Childhood Education are examined in view of historical, social and political influences. Program approaches, philosophies and curricular models are considered in relation to research implications and societal needs.

**Credit Hours:** 2 hrs

**Major Restrictions:** Students in the MA in Early Childhood Education only

### **ECE 601 - Creating Supportive Learning Communities for Resilient Children**

This course explores critical conditions in the lives of young children. Emphasis is placed on creating supportive educational environments, early educational interventions and resilience.

**Credit Hours:** 2 hrs

**Major Restrictions:** Students in the MA in Early Childhood Education only

## **ECE 602 - Implementing Appropriate Early Childhood Programs**

Overview of program models and teaching strategies appropriate for children birth through age eight. Critical examination of developmentally appropriate practice, investigation of program goals guidance and management approaches, schedules, learning environments, use of technology and inclusions of diverse children.

**Credit Hours:** 2 hrs

**Last Updated:** Links 05/2011

## **ECE 607 - Leadership and Professionalism in ECE**

This course will explore leadership, professionalism, staff development, supervision and advocacy in early childhood programs.

**Credit Hours:** 2 hrs

**Prerequisites:** Admission to the College of Education

**Major Restrictions:** Early Childhood Education

## **ECE 609 - Development and Behavior of the Young Child**

Children's physical, cognitive, and social-emotional development during early childhood will be explored. Theories, principles, and strategies will be discussed, as well as adult roles and special problems of children's behavior. Students will conduct observations of children.

**Credit Hours:** 2 hrs

**Cross-listed with:** EDPS 609

**Previously Listed as:** ECE 615

**Last Updated:** Links 05/2011

## **ECE 610 - Family, School and Community Partnerships in Early Childhood Education**

Examines the development of partnerships among families, schools and communities and their impact on the education of young children. Course focuses on four broad themes: understanding families; diversity of families, models of family, school, and community involvement; and communication strategies.

**Credit Hours:** 2 hrs

## **ECE 613 - Curriculum Frameworks in Early Childhood**

This course provides an in-depth examination of the curriculum frameworks and standards in early childhood education. Materials from national early childhood and subject area organizations will be analyzed. Appropriate curriculum for children from birth through eight years, including those with special needs and from diverse cultures, will be investigated.

**Credit Hours:** 2 hrs

**Prerequisites:** ECE 600, ECE 602, ECE 609 or department permission

**Major Restrictions:** MA in Early Childhood Education

**Course Revisions:** This course will have a prerequisite change from "ECE 600, ECE 602, ECE 609 or department permission" to "none," effective Winter 2013.



**Last Updated:** Prerequisite Change 07/2012; Links 05/2011

## **ECE 618 - Play and Human Development**

The phenomena of children's play and its relationships to developmental processes will be examined. Definitions, perspectives, theories and their implications for classroom practice in early childhood and elementary education will be considered. Observations and analyses of live play episodes will be conducted by the students.

**Credit Hours:** 2 hrs

## **ECE 639 - Continuous Enrollment**

Graduate students who are completing research (Master's or Specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Course is offered on a credit/no-credit basis

## **ECE 641 - Developmental Assessment of the Young Child: Theory and Practice**

Theory and procedures applicable to the evaluation and assessments of the young child and current issues.

**Credit Hours:** 2 hrs

**Prerequisites:** ECE 600, ECE 602, ECE 609 or department permission

**Course Revisions:** This course will have a prerequisite change from "ECE 600, ECE 602 , ECE 609 or department permission" to "none," effective Winter 2013.

**Last Updated:** Prerequisite Change 07/2012; Links 05/2011

## **ECE 679 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. Subject matter will change from semester to semester. Students may elect this course more than once, provided different topics are covered.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **ECE 680 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. Subject matter will change from semester to semester. Students may elect this course more than once, provided different topics are covered.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **ECE 681 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. Subject matter will change from semester to semester. Students may elect this course more than once, provided different topics are covered.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **ECE 689 - Early Childhood Internship and Colloquium**

This is a required State of Michigan supervised field experience occurring in an inclusive preschool classroom. The accompanying colloquium will link theory and practice.

**Credit Hours:** 2 hrs

**Prerequisites:** A minimum of 18 Graduate Early Childhood credits and department permission

**Major Restrictions:** Early Childhood Education

## **ECE 690 - Thesis**

Individual research conducted under the guidance of, and in consultation with, a thesis committee.

**Credit Hours:** 1 hr

**Prerequisites:** Admission to the College of Education

**Major Restrictions:** Students in the MA in Early Childhood Education

## **ECE 691 - Thesis**

Individual research conducted under the guidance of, and in consultation with, a thesis committee.

**Credit Hours:** 2 hrs

**Prerequisites:** Admission to the College of Education

**Major Restrictions:** Students in the MA in Early Childhood Education

## **ECE 692 - Thesis**

Individual research conducted under the guidance of, and in consultation with, a thesis committee.

**Credit Hours:** 3 hrs

**Prerequisites:** Admission to the College of Education

**Major Restrictions:** Students in the MA in Early Childhood Education

## **ECE 693 - Seminar: Early Childhood Education**

Systematic analysis of critical issues and research areas in early childhood education. Presentation of individual reports to seminar group for discussion. Serves as the capstone experience in the Master's degree in early childhood education.

**Credit Hours:** 2 hrs

**Prerequisites:** 24 credit hours in early childhood education M.A. program and department permission

## **ECE 697 - Independent Study**

An intensive study of a problem or group of problems. The completed study must give evidence of the student's ability to select a problem and set it up and pursue it to satisfactory completion.

**Credit Hours:** 1 hr

**Notes:** Must be done with approval of a full-time member of the faculty.

### **ECE 698 - Independent Study**

An intensive study of a problem or group of problems. The completed study must give evidence of the student's ability to select a problem and set it up and pursue it to satisfactory completion.

**Credit Hours:** 2 hrs

**Notes:** Must be done with approval of a full-time member of the faculty.

### **ECE 699 - Independent Study**

An intensive study of a problem or group of problems. The completed study must give evidence of the student's ability to select a problem and set it up and pursue it to satisfactory completion.

**Credit Hours:** 3 hrs

**Notes:** Must be done with approval of a full-time member of the faculty.

## **Educational Media and Technology**

### **EDMT 500 - Professional Educator Development Program**

For in-service professional and personal development.

**Credit Hours:** 1/2/3 hrs

**Notes:** Not applicable to an advanced degree.

**Repeatable:** May be repeated for credit.

### **EDMT 507 - Introduction to Microcomputers**

This introductory course will 1) build confidence and competence for educators with limited computer experience and 2) raise awareness of implications of computer technology in education. This course is not included as part of the program of study in the educational technology concentration.

**Credit Hours:** 2 hrs

**Terms Offered:** Offered on a credit/no-credit basis.

### **EDMT 525 - Image Processing for Educators**

EDMT525 is designed to help educators learn to integrate image processing technology into a classroom learning environment. Image processing is a tool used by research scientists that has proven to be excellent in promoting learning through exploration and discovery, especially in the areas of mathematics, science and geography.

**Credit Hours:** 2 hrs

### **EDMT 526 - Microworlds: LOGO for Educators**

Introduces students to the Logo computer language, its application in education, its underlying philosophy, and the "Logo debate" within the educational research community and its implications for the field of educational computing. Students will program

individual projects in different Logo languages.

**Credit Hours:** 2 hrs

**Prerequisites:** competency in using a computer

## **EDMT 528 - Advanced Educational Applications of Computers**

A hands-on experience with educational application of computers. Students will learn how to use word processing software to prepare tests, handouts, letters and papers; spreadsheet programs to maintain student gradebooks and prepare budgets; authoring systems to prepare computer-assisted instructional materials; database managers to maintain student and school records; and information utilities as information and communication media.

**Credit Hours:** 2 hrs

**Prerequisites:** EDMT 507 and EDMT 522, or permission of the instructor

**Last Updated:** Links 05/2011

## **EDMT 530 - Production and Utilization of Instructional Materials**

Introduces the student to advanced processes for the local production and utilization of instructional materials. Topics include computer graphics, presentation support, photography, video and desktop publishing.

**Credit Hours:** 2 hrs

## **EDMT 590 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. Subject matter will change from semester to semester. Students may elect this course more than once, provided different topics are covered.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **EDMT 591 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. Subject matter will change from semester to semester. Students may elect this course more than once, provided different topics are covered.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **EDMT 592 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. Subject matter will change from semester to semester. Students may elect this course more than once, provided different topics are covered.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **EDMT 597 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hrs

**Prerequisites:** department permission

### **EDMT 598 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **EDMT 599 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **EDMT 601 - Technology and the Reflective Professional Educator**

Students will articulate an appropriate role for instructional technology in their professional roles as educators while critically examining the various roles for use of technology in the schools.

**Credit Hours:** 2 hrs

**Prerequisites:** at least one course in educational psychology, or human growth and development, or psychology

### **EDMT 602 - Technology and Student-Centered Learning**

Based on theoretical, philosophical and historical perspectives, students will plan for technology-enhanced student-centered learning in their classroom. Students will also participate in a field experience that enables them to compare methods and strategies of technology integration.

**Credit Hours:** 3 hrs

### **EDMT 603 - Facilitating Teaching in Technology Enhanced Learning Environments**

Having developed expertise in using technology in their own classrooms, students explore how to facilitate the use of educational technology by their colleagues. Sharing responsibility with the instructor, they design and implement professional development activities targeting support of student content learning, communication, critical thinking, creativity, problem solving, media production and e-learning.

**Credit Hours:** 3 hrs

**Concurrent Prerequisites:** EDMT 602

**Last Updated:** Links 05/2011

### **EDMT 618 - Internet Resources for Educators**

Students will learn how to use the Internet and associated tools. They will learn how to connect to EMU's computer network as well as how to access the Internet.

**Credit Hours:** 2 hrs

## **EDMT 623 - Instructional Design and Development of Multimedia Instructional Materials**

Introduces concepts and research related to instructional design (needs assessment, learner analysis, task analysis, specification of instructional objectives, selection of instructional strategies and media, message design, formative and summative evaluation) and the design of computer-based multimedia instruction. Using rapid prototyping and an authoring environment, students implement their multimedia design.

**Credit Hours:** 3 hrs

**Prerequisites:** EDMT 602 and EDMT 603

**Last Updated:** Prerequisite Change 11/2011, effective Winter 2012; Links 05/2011

## **EDMT 625 - Designing and Authoring Instructional Multimedia**

EDMT 625 will familiarize students with the concepts and research related to the design of computer-based multimedia instruction. Additionally, using rapid prototyping, students will implement their multimedia design.

**Credit Hours:** 2 hrs

**Prerequisites:** EDMT 602

**Last Updated:** Links 05/2011

## **EDMT 627 - Advanced Technical Issues in Educational Technology**

Helps educators consider the nature and implications of complex multisite technological innovations. The course also prepares students to give informed input into decisions impacting planning, purchasing and implementation of innovations.

**Credit Hours:** 3 hrs

**Prerequisites:** EDMT 602

**Last Updated:** Links 05/2011

## **EDMT 628 - The Design and Use of Online Resources for Education**

Students will examine the theory behind and use of telecommunications and video in education including Internet applications, online course management systems and other distance learning technologies. Students will design and evaluate online and distance learning projects, including informational web pages, multimedia online learning environments, and classroom management and assessment tools.

**Credit Hours:** 3 hrs

**Prerequisites:** EDMT 602, EDMT 603 and EDMT 623

**Last Updated:** Prerequisite Change 11/2011, effective Winter 2012; Links 05/2011

## **EDMT 631 - Technology and the Young Child**

Students explore both sides of the debate regarding young children (ages 3-8) and technology use; evaluate software and identify developmentally appropriate programs; develop appropriate learning activities; address ethical issues in using technology with children; set up learning spaces which involve technology; and identify web-based technological support for continued professional development.

**Credit Hours:** 2 hrs

**Class Restrictions:** Only open to Graduate level students

## **EDMT 632 - Advanced Productivity Tools in Teaching and Learning**

Students will examine and participate in the use of a range of productivity tools, designing products using advanced features of word processing, spreadsheet, database, desktop publishing, Web 2.0 tools, graphics, audio and video, and utilities. Course work will be done individually and collaboratively with students and other professionals.

**Credit Hours:** 2 hrs

**Prerequisites:** Graduate degree

### **EDMT 633 - Instructional Message Design**

Introduces psychological principles for selecting and manipulating symbols to design effective messages for print-, media- and computer-based instructional materials. Students apply analytical processes to evaluate and design instructional materials which fulfill stated objectives which being authentic to the subject matter, appropriate to the specific learners and practical in terms of human and material resources.

**Credit Hours:** 2 hrs

**Prerequisites:** EDPS 602 or EDPS 603; EDMT 623 is recommended

**Last Updated:** Links 05/2011

### **EDMT 638 - Internet II: Creating Web Content for Schools**

This course is designed for educators and others who already have some familiarity with the Internet and are interested in learning how to use the World Wide Web for creating and placing instructional and noninstructional materials on line. The focus is on the making of home pages and development and utilization of a web site in an educational setting.

**Credit Hours:** 2 hrs

**Prerequisites:** EDMT 618 or equivalent

**Last Updated:** Links 05/2011

### **EDMT 639 - Continuous Enrollment**

Graduate students who are completing research (Master's or Specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **EDMT 653 - Issues and Emerging Educational Technologies**

Students will examine method, theory, research foundations and issues confronting the field of educational technology and the role and impact of emerging technologies in education. Through projects and research, students will synthesize the learning from their EDMT foundation coursework and critically analyze implications for schools and classrooms.

**Credit Hours:** 3 hrs

**Prerequisites:** EDMT 603, EDMT 623, EDMT 627 and EDMT 628

**Last Updated:** Links 05/2011

### **EDMT 676 - Using Computers for Data Analysis**

Use of statistical packages available for micro- and mainframe computers to organize, code, create, edit, manage, store and process data. Compare statistical packages. Write research reports interpreting educational data results.

**Credit Hours:** 2 hrs  
**Prerequisites:** EDMT 601  
**Last Updated:** Links 05/2011

### **EDMT 679 - Special Topics**

Develops foundational knowledge of technical aspects of computers for classroom teachers and computer lab coordinators. Includes computer terminology, operating systems and compatibility, memory, control panels, networking, etc. for configurations of computers in school settings.

**Credit Hours:** 1 hr

### **EDMT 680 - Special Topics**

Develops foundational knowledge of technical aspects of computers for classroom teachers and computer lab coordinators. Includes computer terminology, operating systems and compatibility, memory, control panels, networking, etc. for configurations of computers in school settings.

**Credit Hours:** 2 hrs

### **EDMT 681 - Special Topics**

Develops foundational knowledge of technical aspects of computers for classroom teachers and computer lab coordinators. Includes computer terminology, operating systems and compatibility, memory, control panels, networking, etc. for configurations of computers in school settings.

**Credit Hours:** 3 hrs

### **EDMT 686 - Internship in Educational Technology**

Provides a supervised opportunity for students to apply knowledge and skills gained through classroom activity in a "real world" working environment. Internship sites and supervisory arrangements must be approved by the program adviser prior to registration.

**Credit Hours:** 1 hrs  
**Prerequisites:** department permission

### **EDMT 687 - Internship in Educational Technology**

Provides a supervised opportunity for students to apply knowledge and skills gained through classroom activity in a "real world" working environment. Internship sites and supervisory arrangements must be approved by the program adviser prior to registration.

**Credit Hours:** 2 hrs  
**Prerequisites:** department permission

### **EDMT 688 - Internship in Educational Technology**

Provides a supervised opportunity for students to apply knowledge and skills gained through classroom activity in a "real world" working environment. Internship sites and supervisory arrangements must be approved by the program adviser prior to



registration.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **EDMT 690 - Thesis**

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **EDMT 691 - Thesis**

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **EDMT 692 - Thesis**

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **EDMT 693 - Seminar**

**Credit Hours:** 1 hr

### **EDMT 694 - Seminar**

**Credit Hours:** 2 hrs

### **EDMT 695 - Seminar**

**Credit Hours:** 3 hrs

### **EDMT 696 - Seminar**

**Credit Hours:** 4 hrs

### **EDMT 697 - Independent Study**

An intensive study of one or more problems, under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **EDMT 698 - Independent Study**

An intensive study of one or more problems, under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **EDMT 699 - Independent Study**

An intensive study of one or more problems, under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **Educational Psychology**

### **EDPS 500 - Professional Educator Development Program**

For in-service professional and personal development. Not applicable to an advanced degree.

**Credit Hours:** 1 hrs

**Repeatable:** May be repeated for credit.

### **EDPS 500 - Professional Educator Development Program**

For in-service professional and personal development. Not applicable to an advanced degree.

**Credit Hours:** 2 hrs

**Repeatable:** May be repeated for credit.

### **EDPS 500 - Professional Educator Development Program**

For in-service professional and personal development. Not applicable to an advanced degree.

**Credit Hours:** 3 hrs

**Repeatable:** May be repeated for credit.

### **EDPS 501 - Psychology of Adolescence**

An examination of cognitive, social, and emotional development in adolescence, including the impact of context and culture on individual development. Emphasis is on implications for teaching and learning.

**Credit Hours:** 3 hrs

**Last Updated:** Credit Hour and Course Description Change 08/2011, effective Fall 2011

### **EDPS 502 - Basic Concepts in Educational Psychology**

An introduction to the master's degree programs in educational psychology. Emphasis is on key areas of study within educational psychology, and on tools and strategies necessary for successful graduate-level work.

**Credit Hours:** 3 hrs

**Major Restrictions:** Masters in Educational Psychology students only

**Last Updated:** Credit Hour and Course Description Change 08/2011, effective Fall 2011

### **EDPS 504 - Nature and Identification of the Gifted**

The study of the nature of giftedness, the characteristics and needs of gifted students, and the issues involved in the identification and development of the gifted.

**Credit Hours:** 2 hrs

### **EDPS 509 - Students' Emotional Wellness in Educational Environments**

Deals theoretically and practically with concerns of teachers and parents regarding deterrents to students' psychological wellness. Focuses on ecological factors as stressors and strategies to lessen their effects on learners.

**Credit Hours:** 3 hrs

### **EDPS 512 - Theories of Intelligence**

An examination of a variety of theories of intelligence, including historical and contemporary theories of general intelligence, multiple intelligences, emotional intelligence, and cross-cultural interpretations of intelligence. Emphasis is on applications for teaching and learning.

**Credit Hours:** 3 hrs

**Last Updated:** Title/Credit Hour/Course Description Change 08/2011, effective Fall 2011

### **EDPS 590 - Special Topics**

The content will include current relevant topics and will vary from semester to semester. Special topics not included in the usual course offerings, but within the domain of educational psychology, will be considered. See appropriate schedule.

**Credit Hours:** 1 hr

### **EDPS 591 - Special Topics**

The content will include current relevant topics and will vary from semester to semester. Special topics not included in the usual course offerings, but within the domain of educational psychology, will be considered. See appropriate schedule.

**Credit Hours:** 2 hrs

### **EDPS 592 - Special Topics**

The content will include current relevant topics and will vary from semester to semester. Special topics not included in the usual course offerings, but within the domain of educational psychology, will be considered. See appropriate schedule.

**Credit Hours:** 3 hrs

### **EDPS 597 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **EDPS 598 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **EDPS 599 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **EDPS 600 - Human Development**

An examination of cognitive, social, and emotional development from birth through middle adulthood, including a focus on the impact of context and culture on individual development. Emphasis is on implications for teaching and learning.

**Credit Hours:** 3 hrs

**Last Updated:** Credit Hour and Course Description Change 08/2011, effective Fall 2011

### **EDPS 602 - Adult Development and Learning**

An examination of adult development, learning, and assessment as applied to various educational settings. Participants examine how adult learning theories can be used to facilitate their own learning and that of others.

**Credit Hours:** 3 hrs

**Last Updated:** Title/Credit Hour/Course Description Change 07/2011, effective Fall 2011

### **EDPS 603 - Principles of Learning in Education**

An examination of major principles of learning, including implications for learning in the classroom and in other educational settings. Current theories are addressed, including the development of learning sciences and the relationship between neuroscience and education.

**Credit Hours:** 3 hrs

**Last Updated:** Title/Credit Hour/Course Description Change 07/2011, effective Fall 2011

### **EDPS 605 - Mental Health of Educators**

This course focuses on the mental health and well-being of the teacher. It is designed to address issues of professional and personal development by challenging students to develop new knowledge and skills and to examine and test, through critical analysis and application, the relevance of course content in their own lives and in the lives of their students.

**Credit Hours:** 2 hrs

### **EDPS 606 - Colloquium in Educational Psychology**

Academic seminars centered upon a broad field of study involving several different lecturers from within and outside of the department. See appropriate schedule for announcement.

**Credit Hours:** 1 hr

## **EDPS 607 - Colloquium in Educational Psychology**

Academic seminars centered upon a broad field of study involving several different lecturers from within and outside of the department. See appropriate schedule for announcement.

**Credit Hours:** 1/2/3 hrs

## **EDPS 608 - Colloquium in Educational Psychology**

Academic seminars centered upon a broad field of study involving several different lecturers from within and outside of the department. See appropriate schedule for announcement.

**Credit Hours:** 3 hrs

## **EDPS 609 - Development and Behavior of the Young Child**

Children's physical, cognitive, and social-emotional development during early childhood will be explored. Theories, principles, and strategies will be discussed, as well as adult roles and special problems of children's behavior. Students will conduct observations of children.

**Credit Hours:** 2 hrs

**Cross-listed with:** ECE 609

**Last Updated:** Links 05/2011

## **EDPS 611 - Piaget for Educators**

A systematic summary and analysis of Piagetian theory and research. Applications to the helping professions from infancy through adulthood will be made. Students will conduct interviews with children, adolescents and/or adults and make recommendations for intervention. Students will evaluate educational materials, teaching strategies and instructional methods from a Piagetian framework.

**Credit Hours:** 2 hrs

## **EDPS 614 - Psychology of Creativity for Educators**

An examination of theories of creativity as they relate to education, current issues and debates in creativity theory, and the development of personal creativity. Emphasis is on the implications of creativity research and theory for educational settings and personal development.

**Credit Hours:** 3 hrs

**Last Updated:** Credit Hour and Course Description Change 07/2011, effective Fall 2011

## **EDPS 617 - Children in Poverty: Educational Implications**

This course analyzes the critical poverty conditions of young children and families, and implications for educators. Emphasis is on social-psychological development, educational advocacy and interventions that promote understanding of ethnic, cultural and socioeconomic diversity. Public policies relating to the education and well-being of children in poverty also will be explored, both nationally and internationally.

**Credit Hours:** 3 hrs

**Cross-listed with:** WGST 617

**Last Updated:** Links 05/2011; Credit Hour and Course Description Change 07/2011, effective Fall 2011

## **EDPS 620 - Self-Concept, Self-Esteem and Individual Difference**

An examination of the construction of self-concept, self-esteem, self-efficacy, self regulation and identity development with, special attention to dimensions of diversity. A basic understanding of human development is assumed.

**Credit Hours:** 3 hrs

**Last Updated:** Credit Hour and Course Description Change 07/2011, effective Fall 2011

## **EDPS 621 - Statistical Applications in Educational Research**

Emphasizes the role of statistics in hypothesis testing; statistical applications in visually presenting and summarizing data; computation of central tendency, variability, relationship and prediction indices; and interpretation of results.

**Credit Hours:** 2 hrs

## **EDPS 626 - Principles and Issues in Educational Assessment**

Principles of good classroom assessment are explored in depth. Students will learn the characteristics of high quality assessment that apply to both classroom and standardized assessments. Current assessment topics, including state and federal legislation and mandates, and ethical and legal issues are investigated.

**Credit Hours:** 3 hrs

## **EDPS 627 - Designing Classroom Assessments**

This course will address all types of classroom assessment. It will focus on development, selection and appropriate use of high quality assessment. The course will also address management of assessment and the relations among assessment, learning and motivation.

**Credit Hours:** 3 hrs

## **EDPS 628 - Analyzing Student Learning**

Participants will use assessment data to analyze and improve learning. Students will evaluate all types of assessment data, including both classroom-based and standardized assessments. They will make recommendations about learning based on a thorough analysis of the information.

**Credit Hours:** 3 hrs

## **EDPS 629 - Assessment and Program/School Improvement**

This course will focus on methods of 1) assessment, 2) program evaluation and 3) accreditation and how they can be used to evaluate the effectiveness of programs offered by schools and universities to improve student learning.

**Credit Hours:** 3 hrs

## **EDPS 639 - Continuous Enrollment**

Graduate students who are completing research (Master's or Specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **EDPS 640 - School Violence: A Holistic Approach to Prevention and Intervention**

An examination of the origins and manifestations of school violence, including families, poverty, media, gender, culture, sexual orientation, bullying, gangs, isolation and harassment with special attention to prevention and intervention strategies for victims, perpetrators and the school culture.

**Credit Hours:** 3 hrs

### **EDPS 650 - Motivation to Learn**

An examination of motivation as applied to various educational settings and across cultural contexts. Emphasis is on strategies that may influence motivation in self and others.

**Credit Hours:** 3 hrs

**Previously Listed as:** EDPS 550

**Last Updated:** Course Number Change 03/2012, effective Fall 2012; Credit Hour Change and Course Description 08/2011

### **EDPS 651 - Inferential Statistics**

Inferential statistics, both parametric and nonparametric; theory of hypothesis testing.

**Credit Hours:** 2 hrs

**Prerequisites:** EDPS 621 or equivalent

**Last Updated:** Links 05/2011

### **EDPS 660 - Grantwriting and Management**

Students gain grantwriting knowledge and grant management skills. Course topics include developing a fundable idea, writing a quality proposal, locating sources of funding, and managing a grant once it has been funded.

**Credit Hours:** 3 hrs

**Cross-listed with:** EDLD 660

**Last Updated:** Links 05/2011; Title/Credit Hour/Course Description Change 07/2011, effective Fall 2011

### **EDPS 667 - Principles of Educational Research**

Basic concepts in understanding and evaluating contemporary educational research, addressing both quantitative and qualitative research methods. The focus is on critical understanding of, rather than production of, research.

**Credit Hours:** 3 hrs

### **EDPS 674 - Survey Research and Data Analysis**

The understanding and application of survey research concepts, designs and procedures; organization, coding and calculation of descriptive statistics and factor analysis; use of statistical packages; critical evaluation of survey research; interpretation of results.

**Credit Hours:** 3 hrs

### **EDPS 677 - Methods in Quantitative Research**

Course provides students with a general understanding of different paradigms, key concepts, and ethical issues in research. Major emphasis is on the design and interpretation of quantitative research studies, including problem and hypothesis formulation, research design, data collection, data analysis and interpretation. Focus is on critical appraisal of published research.

**Credit Hours:** 3 hrs

### **EDPS 679 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **EDPS 680 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **EDPS 681 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **EDPS 682 - Workshop in Educational Psychology**

Students will be provided practical and theoretical study in a selected topic area.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **EDPS 683 - Workshop in Educational Psychology**



Students will be provided practical and theoretical study in a selected topic area.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **EDPS 684 - Workshop in Educational Psychology**

Students will be provided practical and theoretical study in a selected topic area.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **EDPS 685 - Workshop in Educational Psychology**

Students will be provided practical and theoretical study in a selected topic area.

**Credit Hours:** 4 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **EDPS 687 - Qualitative/Interpretive Research**

Course provides graduate students with a general understanding of different research paradigms, key research concepts, and ethical issues in research. The major emphasis of the course is on qualitative data-gathering methods, narrative inquiry and interpretive analysis; including ethnography, phenomenology, action research, feminist research, case studies, grounded theory and archival research.

**Credit Hours:** 3 hrs

### **EDPS 688 - Culminating Project**

An intensive, individualized research or action project in educational psychology, culminating in an appropriate final product.

**Credit Hours:** 2 hrs

**Prerequisites:** EDPS 694

**Major Restrictions:** Masters in Educational Psychology, Assessment Certificate (in Educational Psychology)

**Last Updated:** Links 05/2011

### **EDPS 689 - Culminating Project**

An intensive, individualized research or action project in educational psychology, culminating in an appropriate final product.

**Credit Hours:** 3 hrs

**Prerequisites:** EDPS 694

**Major Restrictions:** Educational Psychology students only

**Last Updated:** Links 05/2011

### **EDPS 690 - Thesis**

Individual research conducted under the guidance of, and in consultation with, a thesis committee.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **EDPS 691 - Thesis**

Individual research conducted under the guidance of, and in consultation with, a thesis committee.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **EDPS 692 - Thesis**

Individual research conducted under the guidance of, and in consultation with, a thesis committee.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **EDPS 694 - Seminar in Educational Psychology**

Students in educational psychology prepare a proposal for a final culminating project or thesis. Students provide leadership in discussing key issues in the field of educational psychology.

**Credit Hours:** 3 hrs

**Prerequisites:** near completion of educational psychology program and department permission

**Major Restrictions:** Masters in Educational Psychology students only

**Last Updated:** Credit Hour/Course Description/Restriction Change 07/2011, effective Fall 2011

### **EDPS 697 - Independent Study**

An intensive study of a problem or group of problems under the direction of a faculty member.

**Credit Hours:** 1 hr

**Notes:** Must be done with approval of a full-time member of the departmental faculty.

### **EDPS 698 - Independent Study**

An intensive study of a problem or group of problems under the direction of a faculty member.

**Credit Hours:** 2 hrs

**Notes:** Must be done with approval of a full-time member of the departmental faculty.

### **EDPS 699 - Independent Study**

An intensive study of a problem or group of problems under the direction of a faculty member.

**Credit Hours:** 3 hrs

**Notes:** Must be done with approval of a full-time member of the departmental faculty.

## Practicum

### **PRCT 588 - Practicum in Secondary Classrooms**

This course provides the opportunity for students to relate their content area and pedagogy they are learning to the teaching and learning of that content at the middle and high school levels.

**Credit Hours:** 2 hrs

**Prerequisites:** CURR 505

**Corequisites:** MATH 588 and MATH 589

**Last Updated:** Links 05/2011

## Reading

### **RDNG 500 - Professional Educator Development Program**

For in-service professional and personal development. Not applicable to an advanced degree.

**Credit Hours:** 1 hr

**Repeatable:** May be repeated for credit.

### **RDNG 500 - Professional Educator Development Program**

For in-service professional and personal development. Not applicable to an advanced degree.

**Credit Hours:** 2 hrs

**Repeatable:** May be repeated for credit.

### **RDNG 500 - Professional Educator Development Program**

For in-service professional and personal development. Not applicable to an advanced degree.

**Credit Hours:** 3 hrs

**Repeatable:** May be repeated for credit.

### **RDNG 503 - Meeting Individual Needs in Elementary Literacy Education: Mandatory for MDE Certification Renewal**

Informal and formal literacy assessments are examined and applied to evaluate all K-8 students, especially struggling ELL readers. Students use result to plan instruction. A case study based on fieldwork is required.

**Credit Hours:** 3 hrs

**Prerequisites:** must be a certified elementary teacher

**Last Updated:** 2/15/2011

### **RDNG 504 - Meeting Individual Needs in Secondary Literacy Education: MDE Certification Renewal**

Informal and formal assessments are examined and applied to evaluate 6-12 students' literacy: attitudes and behaviors, purposes for reading and writing and comprehension processes; especially struggling ELL readers. Students use results to plan instruction. A case study based on fieldwork is required.

**Credit Hours:** 3 hrs

**Prerequisites:** must be a certified secondary teacher

### **RDNG 506 - Storytelling**

Applying techniques storytellers use to research, prepare, learn and master a story, participants will tell a variety of different types of stories, using an array of presentation formats. Students will also prepare a collection of storytelling/language arts activities appropriate for various grade levels.

**Credit Hours:** 3 hrs

### **RDNG 514 - Literature for Young Adults**

Young-adult literature (grades 7-12) will be surveyed. Students will consider teaching approaches that integrate young-adult literature into the secondary curriculum, and processes for choosing appropriate literature. Current theory and research regarding the psychological, sociological and legal issues pertaining to the use of young-adult literature will be discussed.

**Credit Hours:** 2 hrs

### **RDNG 518 - Developmental Reading — Elementary**

Objectives, approaches, materials and techniques for reading in the elementary school classroom. Factors influencing development, fundamental skills, and assessing and providing for individual strengths and needs. Not open to reading majors.

**Credit Hours:** 2 hrs

### **RDNG 530 - Developmental Reading — Secondary**

Curricular objectives and their implementation through recommended activities, methods and materials; functional programs for disabled readers.

**Credit Hours:** 2 hrs

### **RDNG 531 - Word Study for the Reading Teacher**

Using language theory as a basis, students will explore the various aspects of word study: phonemic awareness, phonics, vocabulary, dictionary skills and spelling. Using literature and other texts, they will develop techniques/strategies for teaching word study in grades K-12.

**Credit Hours:** 3 hrs

### **RDNG 550 - Biographies, Trade Books, and Writing Across the K-12 Science and Mathematics Curriculum**

The course promotes interest and achievement in the content areas by including trade books and biographies into K-12 science and mathematics instruction. The course promotes the benefits of writing in nontraditional forms.

**Credit Hours:** 3 hrs

### **RDNG 554 - Reading Problems of Learners with Special Needs**

Methods, materials and assessment techniques found effective in teaching reading to learners with special needs; culturally different, mainstreamed, reluctant and gifted learners.

**Credit Hours:** 2 hrs

### **RDNG 580 - Reading-Writing Connection: K-6**

This course is designed to provide teachers opportunities to expand their knowledge of reading instruction to a more integrated approach which interfaces reading, writing and subject areas.

**Credit Hours:** 2 hrs

### **RDNG 583 - Promoting Literacy with Computer Technology**

Teachers explore research on the use of computers to develop student literacy, investigate curricular implications for integrating computers with literacy instruction and examine management and evaluation procedures in the computer environment.

**Credit Hours:** 2 hrs

### **RDNG 586 - A Writer's Camp in Action: A Community of Leaders**

This course provides teachers an opportunity to explore research on the reading/writing process, to investigate ways to promote growth in students' language and to experience a writers' workshop while working with elementary students in a writers' camp. The writers' camp is incorporated into the course.

**Credit Hours:** 3 hrs

### **RDNG 588 - Fostering Literacy: A Holistic Approach**

This course is designed to explore theoretical foundations of holistic language instruction, to investigate curricula implications for holistic literacy instruction, and to evaluate formal/informal assessment procedures in holistic literacy programs.

**Credit Hours:** 2 hrs

### **RDNG 590 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. Subject matter will change from semester to semester. Students may elect this course more than once, provided different topics are covered.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **RDNG 591 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. Subject matter will change from semester to semester. Students may elect this course more than once, provided different topics are covered.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **RDNG 592 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. Subject matter will change from semester to semester. Students may elect this course more than once, provided different topics are covered.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **RDNG 593 - Microcomputer Applications in Reading Instruction**

Participants will evaluate software for reading/language arts, including programs for drill and practice, tutorials, simulations, diagnosis and prescription, word processing and management. Suggestions for developing units about computers in society will be included.

**Credit Hours:** 2 hrs

### **RDNG 597 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **RDNG 598 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **RDNG 599 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **RDNG 630 - Literacy Instruction in a Multilingual Society**

Exploring research and classroom based literature on second language reading and language instruction, students will develop knowledge about educational policies and instructional approaches which foster literacy (reading, writing, speaking, listening, viewing and visually representing) for English language learners.

**Credit Hours:** 3 hrs

## **RDNG 632 - Literacy Education in Urban Settings**

Examining research and classroom based literature education in urban settings, students will develop knowledge about educational policies and instructional approaches which foster literacy (reading, writing, speaking, listening, viewing and visually representing) achievement in K-12 urban settings.

**Credit Hours:** 3 hrs

**Prerequisites:** CURR 652; CURR 653; students admitted to the College of Education

**Major Restrictions:** Students in the Masters in Urban/Diversity Education program only

**Last Updated:** Links 05/2011

## **RDNG 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Notes:** Credit will not apply toward degree completion.

**Terms Offered:** Offered on a credit/no-credit basis.

## **RDNG 655 - The Integrated Literacy Curriculum**

This course provides teachers an opportunity to learn how to integrate speaking, listening, reading, viewing and visual representing with content area instruction using children's and young adults' literature.

**Credit Hours:** 3 hrs

## **RDNG 656 - Language Development, Literacy and the Young Child**

A concentration on the developmental aspects of language learning and its relationship to emergent reading. Involves theoretical and research knowledge pertinent to child growth and development.

**Credit Hours:** 3 hrs

## **RDNG 657 - Comprehension and the Content Areas**

Through a survey of comprehension theories which impact literacy instruction, students will develop reading techniques and strategies that support student learning in the content areas.

**Credit Hours:** 3 hrs

## **RDNG 658 - Reading and Writing and the Inquiry Process**

This course provides teachers an opportunity to: (1) explore research on the relationship between the reading and writing processes and (2) determine ways to use the inquiry process with reading and writing across the content areas. Additionally, the course examines classroom management and evaluation procedures.

**Credit Hours:** 3 hrs

## **RDNG 660 - Foundations of Literacy: Research and Theory**

The focus of this course is history, theory and research in literacy education. The impact of these issues on classroom practices will be examined.

**Credit Hours:** 3 hrs

**Prerequisites:** RDNG 655, RDNG 656, RDNG 657 and RDNG 658

**Last Updated:** Links 05/2011

## **RDNG 664 - The Nature of Common Reading Problems**

Problems of underachievement: weaknesses and deficiencies in attitudes, comprehension, word recognition and fluency and flexibility in silent and oral reading, physical, psychological, environmental and educational factors.

**Credit Hours:** 2 hrs

**Major Restrictions:** Not open to Reading majors

## **RDNG 672 - Practicum I: Literacy Assessment**

This course will survey formal and informal procedures used to identify, evaluate and remediate reading disabilities and to plan instruction in a classroom or clinical setting. Students will examine current group and individual reading assessments and prepare case studies and recommendations for teachers and families.

**Credit Hours:** 3 hrs

**Prerequisites:** RDNG 655, RDNG 656, RDNG 657 and RDNG 658

**Last Updated:** Links 05/2011

## **RDNG 673 - Practicum II: Designing Literacy Intervention Programs**

This course provides models of intervention programs for struggling readers at the individual and school-wide level. Characteristics of successful intervention programs and grant guidelines will be studied. A clinical practicum targeting struggling readers is included.

**Credit Hours:** 3 hrs

**Prerequisites:** RDNG 655, RDNG 656, RDNG 657 and RDNG 658

**Last Updated:** Links 05/2011

## **RDNG 674 - Practicum III: The Literary Coach**

This course is a practicum focused on coaching classroom teachers and paraprofessionals in the development of appropriate programs for struggling readers. Students will examine models of coaching/mentoring at the individual and team level. They will learn modeling, mentoring, observing and conferencing procedures.

**Credit Hours:** 3 hrs

**Prerequisites:** RDNG 660 and RDNG 673

**Last Updated:** Links 05/2011

## **RDNG 679 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. Subject matter will change from semester to semester. Students may elect this course more than once, provided different topics are covered.



**Credit Hours:** 1 hr

### **RDNG 680 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. Subject matter will change from semester to semester. Students may elect this course more than once, provided different topics are covered.

**Credit Hours:** 2 hrs

### **RDNG 681 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. Subject matter will change from semester to semester. Students may elect this course more than once, provided different topics are covered.

**Credit Hours:** 3 hrs

### **RDNG 682 - Workshop in Reading**

Please examine the current time schedule for specific workshop topics. Among those offered in the past: Providing for Individual Differences in Reading.

**Credit Hours:** 1 hr

### **RDNG 683 - Workshop in Reading**

Please examine the current time schedule for specific workshop topics. Among those offered in the past: Providing for Individual Differences in Reading.

**Credit Hours:** 2 hrs

### **RDNG 684 - Workshop in Reading**

Please examine the current time schedule for specific workshop topics. Among those offered in the past: Providing for Individual Differences in Reading.

**Credit Hours:** 3 hrs

### **RDNG 685 - Workshop in Reading**

Please examine the current time schedule for specific workshop topics. Among those offered in the past: Providing for Individual Differences in Reading.

**Credit Hours:** 4 hrs

### **RDNG 687 - Practicum in Reading**

Opportunities to work with community children demonstrating reading difficulties. Under supervision, students will engage in the diagnosis, analysis and treatment of various reading disabilities; maintaining a professional relationship with their clients, their clients' families and associated schools or agencies. Ongoing study of current procedures in the analysis of reading

performance critical to systematic diagnosis and prescription.

**Credit Hours:** 2 hrs

**Prerequisites:** RDNG 672

**Last Updated:** Links 05/2011

### **RDNG 688 - Practicum in Reading**

Opportunities to work with community children demonstrating reading difficulties. Under supervision, students will engage in the diagnosis, analysis and treatment of various reading disabilities; maintaining a professional relationship with their clients, their clients' families and associated schools or agencies. Ongoing study of current procedures in the analysis of reading performance critical to systematic diagnosis and prescription.

**Credit Hours:** 3 hrs

**Prerequisites:** RDNG 672

**Last Updated:** Links 05/2011

### **RDNG 690 - Thesis**

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **RDNG 691 - Thesis**

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **RDNG 692 - Thesis**

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **RDNG 693 - Seminar in Reading**

A research-oriented course for graduate majors.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **RDNG 694 - Seminar: Current Issues in Reading**

The seminar is a culminating course in the graduate reading concentration. Current trends in reading research, critical examination of selected research studies and investigations, self-evaluations of professional needs, and interests in reading are included.

**Credit Hours:** 2 hrs

**Prerequisites:** RDNG 672

**Last Updated:** Links 05/2011

### **RDNG 695 - Seminar: The Reading Professional**

This course is designed to be the culminating experience for students seeking a master's in reading. Students will examine the processes of staff development, grant writing, community outreach and action researcher from the perspective of the reading professional. They will develop a final project based on their needs and interests.

**Credit Hours:** 3 hrs

**Prerequisites:** EDPS 677 or EDPS 687

**Concurrent Prerequisites:** RDNG 673

**Corequisites:** RDNG 674

**Last Updated:** Links 05/2011

## **RDNG 696 - Seminar in Reading**

A research-oriented course for graduate majors.

**Credit Hours:** 4 hrs

**Prerequisites:** department permission

## **RDNG 697 - Independent Study**

An intensive study of a problem or group of problems. The completed study must give evidence of the student's ability to select a problem and set it up and pursue it to satisfactory completion. Must be done with approval of a full-time member of the staff.

**Credit Hours:** 1 hr

## **RDNG 698 - Independent Study**

An intensive study of a problem or group of problems. The completed study must give evidence of the student's ability to select a problem and set it up and pursue it to satisfactory completion. Must be done with approval of a full-time member of the staff.

**Credit Hours:** 2 hrs

## **RDNG 699 - Independent Study**

An intensive study of a problem or group of problems. The completed study must give evidence of the student's ability to select a problem and set it up and pursue it to satisfactory completion. Must be done with approval of a full-time member of the staff.

**Credit Hours:** 3 hrs

## **Social Foundations**

### **SOFD 500 - Professional Educator Development Program**

For in-service professional and personal development. Not applicable to an advanced degree.

**Credit Hours:** 1/2/3 hrs

**Repeatable:** May be repeated for credit.

### **SOFD 530 - Social Foundations of Education: An Introduction**

This course illustrates the uses and applications of the different disciplines in social foundations (e.g., anthropology of education, sociology of education and comparative education) as frameworks for researching problems confronting schools as major social institutions.

**Credit Hours:** 2 hrs

### **SOFD 535 - Multicultural and International Education**

Designed to provide multicultural and international perspectives to the continuing debates on reform of education in a democratic society. Emphasis is placed on what multicultural education should be and its place in the curriculum.

**Credit Hours:** 2 hrs

**Last Updated:** Spring 2010; effective fall 2010

### **SOFD 537 - Readings in Multicultural and International Education**

**Credit Hours:** 1 hr

**Corequisites:** SOFD 535

**Last Updated:** Links 05/2011

### **SOFD 540 - Field Studies in Education**

On-site investigations of selected aspects of education and society. Field-based research may be done in the United States or other countries. Students may elect this course several times, provided different topics are covered. Not more than four hours may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** a graduate course in SOFD and consent of the instructor

### **SOFD 541 - Field Studies in Education**

On-site investigations of selected aspects of education and society. Field-based research may be done in the United States or other countries. Students may elect this course several times, provided different topics are covered. Not more than four hours may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** a graduate course in SOFD and consent of the instructor

### **SOFD 542 - Field Studies in Education**

On-site investigations of selected aspects of education and society. Field-based research may be done in the United States or other countries. Students may elect this course several times, provided different topics are covered. Not more than four hours may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** a graduate course in SOFD and consent of the instructor

### **SOFD 550 - Philosophy, Ethics and Teaching**

Application of philosophical methods of analysis to specific ethical problems facing teachers in preschool, elementary and secondary schools. Students will investigate various ethical frameworks and critically examine, by means of case studies,

controversial educational issues.

**Credit Hours:** 2 hrs

**Terms Offered:** [Click Here](#)

**Last Updated:** [link 5/12](#)

## **SOFD 557 - Readings in Philosophy, Ethics and Teaching**

Focused readings intended for SOFD majors to extend their exposure to issues in SOFD 550.

**Credit Hours:** 1 hr

**Corequisites:** SOFD 550

**Terms Offered:** Course Rotation Schedules

**Last Updated:** [Links 05/2011](#)

## **SOFD 560 - Anthropology and Education**

Examines anthropological contributions to the study of education in selected nation-states and non-state social systems. Emphasizes formal and informal education, environmental education, the education of minority ethnic and subordinate cultures, applying anthropological knowledge to educational institutions and practices, schooling and identity development, and teaching select anthropological concepts.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** [link 5/12](#)

## **SOFD 570 - Women and Pedagogy: Life Histories**

An interpretive analysis of the life histories of major women teacher educators will assess how conceptions of their moral and political identity translated into their pedagogy and purpose for education. Included is a focus on life history as a research method.

**Credit Hours:** 3 hrs

## **SOFD 572 - The History of American Schooling and Literacy**

Drawing on a variety of sources from historical narrative and historiography, the course provides a context for interpreting the conflicting aims of literacy and education in the United States.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** [links 5/2012](#)

## **SOFD 573 - Black Experience and American Education**

The role of African Americans in the development of the United States. The course is designed to help teachers to understand the cultural, economic and political contributions of African Americans and to develop materials to be used in their courses at both elementary and secondary schools.

**Credit Hours:** 2 hrs

## **SOFD 580 - Sociology of Education**

This course introduces various sociological perspectives to analyze the relation of schooling to the social construction of race, class, gender and sexuality in a socially stratified society. Special attention is placed on teachers' responsibilities and skills as classroom practitioners, child advocates and community leaders in a culturally diverse democratic society.

**Credit Hours:** 2 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/12

## **SOFD 581 - Gender and Education**

This course examines the social construction of masculinity and femininity and its impact on the lives of teachers and students in schools.

**Credit Hours:** 3 hrs

**Cross-listed with:** WGST 581

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2012

## **SOFD 587 - Readings in Sociology of Education**

Focused readings intended for SOFD majors to extend their exposure to issues in SOFD 580

**Credit Hours:** 1 hr

**Corequisites:** SOFD 580

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **SOFD 590 - Special Topics**

A study of selected issues in social foundations of education. Topics may vary from semester to semester. Students may elect this course several times, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

## **SOFD 591 - Special Topics**

A study of selected issues in social foundations of education. Topics may vary from semester to semester. Students may elect this course several times, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

## **SOFD 592 - Special Topics**

A study of selected issues in social foundations of education. Topics may vary from semester to semester. Students may elect this course several times, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

### **SOFD 597 - Independent Study**

An intensive study of a problem or theory, supervised by a faculty member in social foundations of education.

**Credit Hours:** 1 hr

**Prerequisites:** graduate SOFD course and instructor permission

### **SOFD 598 - Independent Study**

An intensive study of a problem or theory, supervised by a faculty member in social foundations of education.

**Credit Hours:** 2 hrs

**Prerequisites:** graduate SOFD course and instructor permission

### **SOFD 599 - Independent Study**

An intensive study of a problem or theory, supervised by a faculty member in social foundations of education.

**Credit Hours:** 3 hrs

**Prerequisites:** graduate SOFD course and instructor permission

### **SOFD 627 - Trends and Challenges in International Education**

The materials covered in the course are intended to provide an international perspective to the continuing debate on reforms in education and on the issue of what multicultural education should be and its place in the curriculum. The course provides an overview of (a) comparisons of standardized achievements in education between the schools in the United States and selected industrial countries; and (b) the nature and implications of the involvement of the United States in education overseas programs through the foreign aid program and through an increasing number of U.S. teachers working in overseas schools.

**Credit Hours:** 2 hrs

### **SOFD 630 - Schooling and the Politics of Fear**

Examines the history of political fear and the relationships between the contemporary culture of fear and educational policy and practice. Explores the cultural politics and public pedagogy involved in the construction of fear politics, while examining democratic alternatives to the uses of political fear in educational policy and pedagogy.

**Credit Hours:** 3 hrs

### **SOFD 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Notes:** Credit will not apply toward degree completion.

**Terms Offered:** Offered on a credit/no-credit basis.

### **SOFD 640 - Peace Education**

Examines history, central concepts, scholarship and practices of peace education within the larger framework of international education with its sub-fields of multicultural studies, development education, environmental education and human rights education. Examines key thinkers, theories and movements in the field, with a particular focus on conflict resolution and case studies.

**Credit Hours:** 3 hrs

### **SOFD 654 - Multicultural Teaching and Learning**

This course provides a critical framework in which to examine and develop skills and understandings necessary for teaching in a multicultural world.

**Credit Hours:** 3 hrs

**Cross-listed with:** CURR 654

**Last Updated:** Links 05/2011

### **SOFD 655 - Education for Justice: Toward a Diverse, Democratic and Sustainable Society**

A study of the interactive relationship between schools and society, the theoretical foundations of multicultural education, and all forms of justice, including social, linguistic, and ecological.

**Credit Hours:** 3

**Terms Offered:** Course Rotation Schedules

**Last Updated:** New course 12/2011, effective Winter 2012

### **SOFD 660 - Teaching for Social and Ecological Justice**

An advanced course creating bridges between critical and social theories and pedagogical practices leading to democratic, socially and ecologically just communities. The theoretical foundations of multicultural education, critical and feminist pedagogies, eco-justice pedagogy, and service learning are examined. Some preparation in critical social theory required.

**Credit Hours:** 3 hrs

**Cross-listed with:** WGST 660

**Last Updated:** Prerequisite Removal 06/2011, effective Summer 2011

### **SOFD 661 - EcoJustice and Education**

This course examines the cultural roots of ecological degradation, and the impact of specific ideological and structural formations upon both human communities and the natural world. Specific attention is given to the ethical consequences of ecojustice perspectives for teacher education, curriculum reform and citizenship education.

**Credit Hours:** 3 hrs

### **SOFD 672 - Advanced Study in the History of Education**



This course provides an opportunity for advanced study in the history and historiography of education in the United States.

**Credit Hours:** 3 hrs

**Cross-listed with:** HIST 572

**Repeatable:** Yes; total of 9 credits

**Terms Offered:** Course Rotation Schedules

**Last Updated:** New Course 01/2012, effective Winter 2012, links 5/2012

### **SOFD 679 - Special Topics**

A study of selected issues in social foundations of education. Topics may vary from semester to semester. Students may elect this course several times, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

### **SOFD 680 - Special Topics**

A study of selected issues in social foundations of education. Topics may vary from semester to semester. Students may elect this course several times, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

### **SOFD 681 - Special Topics**

A study of selected issues in social foundations of education. Topics may vary from semester to semester. Students may elect this course several times, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

### **SOFD 682 - Workshop in Social Foundations**

Focuses on providing practical assistance for teachers and school administrators in developing a variety of teaching resources and methods on such themes as racism and education, human relations and multicultural education. Site-based decision-making, student-faculty planning and cooperative learning are illustrated and used extensively in workshops. May be elected more than once. Not more than four hours may be used on a degree program.

**Credit Hours:** 1 hr

### **SOFD 683 - Workshop in Social Foundations**

Focuses on providing practical assistance for teachers and school administrators in developing a variety of teaching resources and methods on such themes as racism and education, human relations and multicultural education. Site-based decision-making, student-faculty planning and cooperative learning are illustrated and used extensively in workshops. May be elected more than once. Not more than four hours may be used on a degree program.

**Credit Hours:** 2 hrs

### **SOFD 684 - Workshop in Social Foundations**

Focuses on providing practical assistance for teachers and school administrators in developing a variety of teaching resources and methods on such themes as racism and education, human relations and multicultural education. Site-based decision-making, student-faculty planning and cooperative learning are illustrated and used extensively in workshops. May be elected more than once. Not more than four hours may be used on a degree program.

**Credit Hours:** 3 hrs

### **SOFD 685 - Workshop in Social Foundations**

Focuses on providing practical assistance for teachers and school administrators in developing a variety of teaching resources and methods on such themes as racism and education, human relations and multicultural education. Site-based decision-making, student-faculty planning and cooperative learning are illustrated and used extensively in workshops. May be elected more than once. Not more than four hours may be used on a degree program.

**Credit Hours:** 4 hrs

### **SOFD 686 - Thesis/Culminating Project Development**

Significant applied project or research or critical study designed by the student as preparation for thesis or culminating project under direction of an advisor.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **SOFD 687 - Culminating Project**

Significant applied project designed and completed by the student as an independent culminating experience under the direction of a chair and committee.

**Credit Hours:** 3 hrs

**Prerequisites:** 24 hours of completed coursework in program, department and adviser permission and SOFD 686

**Last Updated:** Links 05/2011

### **SOFD 690 - Thesis**

Significant research or critical study designed and completed by the student under the direction of a thesis director and thesis committee. Not more than two hours of thesis credit may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **SOFD 691 - Thesis**

Significant research or critical study designed and completed by the student under the direction of a thesis director and thesis committee. Not more than two hours of thesis credit may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **SOFD 692 - Thesis**

Significant research or critical study designed and completed by the student under the direction of a thesis director and thesis committee. Not more than three hours of thesis credit may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** Department permission and SOFD 686 or SSV concentration.

**Last Updated:** Links 05/2011

### **SOFD 694 - Advanced Seminar**

This seminar is required of all social foundations master's students to help identify appropriate topics for theses and culminating projects. Seminar discussion will focus on the development and evaluation of research proposals designed by students.

**Credit Hours:** 2 hrs

**Terms Offered:** Offered on a credit/no-credit basis.

### **SOFD 696 - Advanced Seminar**

This seminar is required of all social foundations master's students to help identify appropriate topics for theses and culminating projects. Seminar discussion will focus on the development and evaluation of research proposals designed by students.

**Credit Hours:** 2 hrs

**Terms Offered:** Offered on a credit/no-credit basis.

### **SOFD 697 - Independent Study**

An intensive study of a problem or theory, supervised by a faculty member in social foundations of education.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **SOFD 698 - Independent Study**

An intensive study of a problem or theory, supervised by a faculty member in social foundations of education.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **SOFD 699 - Independent Study**

An intensive study of a problem or theory, supervised by a faculty member in social foundations of education.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **Urban Education**

### **URED 812 - Children and Families in Poverty**

Examines the impact of poverty and homelessness on children, youth, families, and communities. The course analyzes poverty in relation to public policy, inequality, race and gender discrimination, and addresses critical issues confronting urban educators.

There is an emphasis on educational advocacy and the creation of inclusive and diverse learning communities.

**Credit Hours:** 3 hrs

**Prerequisites:** Master's degree and admission to Ph.D. program or department permission

### **URED 813 - Schools as Agencies of Community Collaboration**

This course examines various models of school and community collaboration that provide nonacademic services in order to mediate high-poverty and academic success. It examines marginalized urban groups and such specific health, growth and coordination plans and processes as: school linked services, linked services, full service schools and community schools.

**Credit Hours:** 3 hrs

**Prerequisites:** Master's Degree and admission to Ph.D. program or department permission; URED 812

**Major Restrictions:** Students in either the Ph.D. in Educational Studies or the Ed.D. in Educational Leadership programs

**Last Updated:** Links 05/2011

### **URED 814 - Teacher Development**

This course aims to prepare and strengthen students' understandings of critical issues and best practices in teacher learning and development within multiple contexts of practice. The course analyzes teacher development in relation to varying perspectives on teacher knowledge, and the structures, policies and processes that support teacher learning.

**Credit Hours:** 3 hrs

**Prerequisites:** Master's degree and admission to Ph.D. program or department permission

**Major Restrictions:** Students in either the Ph.D. in Educational Studies or the Ed.D. in Educational Leadership programs.

### **URED 815 - Knowledge, Learning and Pedagogy**

An overview of curriculum theory from a multicultural and pluralistic perspective provides doctoral students the skills and knowledge to examine issues related to what is being taught, what should be taught and why one might teach it in higher education and/or in P-12 urban schools contexts.

**Credit Hours:** 3 hrs

**Prerequisites:** Master's degree and admission to Ph.D. program or department permission

**Major Restrictions:** Students in either the Ph.D. in Educational Studies or the Ed.D. in Educational Leadership programs.

# School of Health Sciences Programs and Courses

## School of Health Sciences

### Combined

## Combined Bachelor-Master's Degree in Occupational Therapy (OT-BMOT)

Adviser: Gretchen Reeves, Ph.D.  
313 Marshall  
734.487.4096  
greeves@emich.edu

Established in 1941, Eastern Michigan University's Occupational Therapy Program has a long-standing tradition of excellence. The EMU OT Program provides competent and caring professionals to the local community as well as throughout the State of Michigan and across the nation.

The Bureau of Labor Statistics Occupational Outlook Handbook predicts a greater than average employment need for occupational therapists through at least 2014. This is based on the general population growth and the increasing demand for services for those aged 75 years and older who are requiring occupational therapy services to improve their quality of life. In addition, emerging practice areas for occupational therapists, for example, in such areas as driver rehabilitation and fall prevention, continue to develop. Occupational therapists are employed in diverse settings including but not limited to: hospitals, schools, rehabilitation facilities, long-term care facilities, home health care, and in areas of prevention and wellness.

### Program of Study

Occupational therapy advising for occupational therapy-intent students is performed by the OT intent advisor or the College of Health and Human Services Advising Center. All students should attend a group advising session with the OT Intent Advisor to discuss admission and portfolio requirements. Upon acceptance into the occupational therapy program, students are assigned to a faculty advising team. All students admitted to the program must meet with their advising team before registering each semester.

### Certification in Occupational Therapy

The National Board for Certification in Occupational Therapy, Inc. (NBCOT) administers the national certification exam for occupational therapists in the United States. All students in occupational therapy programs must successfully complete the academic requirements and fieldwork experiences in their programs in order to be eligible to sit for the national certification examination. After successful completion of this exam, the individual will be an occupational therapist, registered (OTR) and can apply for licensure or registration in the state where they choose to practice. All students must take the NBCOT Certification exam in order to practice in the profession of occupational therapy. Character background information is reviewed by NBCOT to determine a person's ability to sit for the examination. If you have any potential impediments, such as a felony charge or conviction, an encumbrance of professional license or negligence, malpractice or willful intentional misconduct, we strongly recommend that you contact NBCOT to determine your eligibility to sit for the national exam.

Contact information:  
The Eugene Casey Building

800 South Frederick Avenue, Suite 200

Gaithersburg, MD 20877-4150

301.990.7979

# School of Health Sciences Information

School Director: Betsy Francis-Connolly  
School Contact: efrancis@emich.edu  
Web site: www.emich.edu/hs/

## Combined Bachelor's-Master's Degree in Occupational Therapy

A competitive application process is utilized to select students. Please be aware that admission to Eastern Michigan University as well as successful completion of undergraduate courses does not guarantee entry into the program. A minimum GPA of 2.75 is required to be considered for admission.

There are two different tracks, or means, of entering the Masters of Occupational Therapy program: the 3+2 track and the MOT track. The 3+2 track is designed for undergraduate students who do not yet have a Bachelor's degree. It combines three years of undergraduate general education classes with two years of graduate course work in occupational therapy. This track culminates in a Bachelor of Science degree and a Master of Occupational Therapy (MOT) degree. Undergraduates accepted into the program must have successfully completed 90 undergraduate credits by August 1 in order to begin the program in the Fall of the year in which they applied.

### **Required Prerequisite Courses**

In order to be considered for admission to the occupational therapy program, a student must complete the following prerequisite courses with a grade of B- or better. If you have previously taken these courses at another university please note that all prerequisite substitutions must be pre-approved before the submission of your portfolio. Submission of your portfolio without prior approval will result in your application being denied.

### **Anatomy and Physiology**

BIO 251 Human Anatomy and Physiology (4 hrs)  
BIO 252 Human Anatomy and Physiology II (4 hrs)

### **Neuroanatomy**

BIO 330 Neuroanatomy (4 hrs)

### **Medical Terminology**

\* AHPR 200 Medical Terminology (1 hr)

### **Statistics**

\* All of the following EMU courses meet this requirement: SOCL 250, EDPS 621, EDPS 651, MATH 170, MATH 360, MATH 370, MATH 571, MATH 573, MATH 574, or PSY 205

### **Human Growth and Development**

\* IHHS 260 Aging to Infancy: A Life Course Retrospective (3 hrs) or  
\* EDPS 325 Life Span Human Growth and Development (4 hrs)

\*These four courses must be completed by the application deadline. The remaining two must be completed before entering the program.

### **Application Process**

The competitive admission process consists of a review of portfolios by a screening committee in the Occupational Therapy program followed by interviews with faculty for applicants who make the cut. Portfolios are accepted once a year on January 5 for students interested in beginning the program in the Fall semester of that year. No late submissions are accepted. The portfolio must include the following items: official college transcripts from all schools attended, results of the GRE General Test, one academic reference, documentation of 100 hours of completed volunteer service with two references from these experiences, and

a sample of reflective writing. Detailed information about the application process can be found on the program's website. We strongly encourage all students interested in applying to the program to attend a group advising session with the OT Intent Advisor in order to successfully complete their application.

### **International Students**

International students must contact the International Admissions office at 734.487.0205. They will assist in the evaluation of transcripts and determine your cumulative GPA. International students must provide a copy of the EMU Graduate School approved TOEFL score in their application portfolio.

### **Fieldwork**

A minimum of six months of full time supervised fieldwork is required at the conclusion of the academic program. Field placements are arranged by the Occupational Therapy Fieldwork Coordinator and approved by the faculty.

### **Scholarships**

The Occupational Therapy program offers a number of scholarships to students who are admitted to the program. For more information contact the OT program at 734.487.4096. There are also a number of University scholarships available to students. Contact the office of Financial Aid for information.

### **Accreditation**

The EMU OT program is accredited by the American Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), located at 4720 Montgomery Lane, P.O. Box 31220, Bethesda, MD 20824-1220. Telephone number: 301.652.AOTA.

## **General Education Requirements:**

For specific requirements refer to the General Education Program in the undergraduate catalog.

## **Major Requirements: 66 hours**

- HLAD 510 - Medical Care Organization 3 hrs
- OCTH 412 - Models of Practice 3 hrs
- OCTH 419 - Programming I 6 hrs
- OCTH 420 - Level I Fieldwork I 3 hrs
- OCTH 495 - Neurological Foundations of Human Occupation 3 hrs
- OCTH 500 - Philosophy of Occupational Therapy 3 hrs
- OCTH 502 - Theory and Analysis of Occupation 3 hrs
- OCTH 516 - Level I Community Fieldwork II 3 hrs
- OCTH 517 - Level I Community Fieldwork III 3 hrs
- OCTH 519 - Programming II 6 hrs
- OCTH 540 - Research Methods I 3 hrs
- OCTH 588 - Fieldwork Level II: Clinical Skills 6 hrs
- OCTH 589 - Fieldwork Level II: Clinical Skills 6 hrs
- OCTH 600 - Supervision and Professional Roles 3 hrs
- OCTH 619 - Programming III 6 hrs
- OCTH 686 - Culminating Project I 3 hrs
- OCTH 687 - Culminating Project II 3 hrs

## **Minor Requirements:**

This major does not require a minor.

## Program Total:

Students must earn a minimum total of 124 credits at the 100-level or above.

## Critical Graduation Information:

### To earn a degree, all students must:

- earn a minimum total of 124 credits, excluding credits below the 100-level
- meet the General Education requirements referenced in this pamphlet.
- Earn a minimum of 60 credits, excluding those earned at a community college. (Some articulation agreements waive this requirement. See specific agreement for details.)
- earn a minimum of 30 credits from EMU.
- complete 10 of the last 30 hours for the degree from EMU courses.
- have a minimum of 30 unique credit hours in their major and 20 unique credit hours in their minor for a total of at least 50 unique credit hours between them. Some majors do not require a minor; see above for specific requirements.
- earn a minimum of 9 credits in 300-level or higher courses in their major at EMU.
- earn a minimum of 6 credits in 300-level or higher courses in their minor at EMU. These credits must be earned in courses different from the 300-level courses used for the major.
- have earned a grade of “C” or better in order to apply transfer credit at EMU.
- have a minimum cumulative GPA of 2.0 in order to graduate. In addition, a minimum GPA of 2.0 must be earned in the major and in the minor. (Note: some programs may require higher GPA.)

### General Education Requirements:

For a current detailed listing of requirements, course options and waiver possibilities, please consult the General Education Program listing in the Undergraduate Catalog.

- Area I: Effective Communication (2 courses, 6 credits)
- Area II: Quantitative Reasoning (1 course, 3 credits)
- Area III: Perspectives on Diversity (2 courses, 6 credits)
- Area IV: Knowledge of the Disciplines (8 courses, 25 credits)
- Area V: Learning Beyond the Classroom (Satisfy two of six areas through a combination of experiences and/or courses)

The General Education requirements listed above apply to all students who began their undergraduate program at EMU during or after the Fall 2007 semester. Students who began their undergraduate program at EMU before the Fall 2007 semester may have different general education requirements to fulfill; consult your academic adviser for additional information. Students who transferred to EMU may have different general education requirements based on MACRAO or articulation agreements; consult your academic adviser for additional information.

### University Information:

For more University information please refer to the online catalog at [catalog.emich.edu](http://catalog.emich.edu).

## Graduate Certificate

## Graduate Certificate in Dementia (DEMT)



Adviser: Andrea Gossett Zakrajsek, Ph.D.  
104 Roosevelt Hall  
734.487.3220  
azakrajs@emich.edu

The Graduate Certificate in Dementia (CDEM) is a program designed to accommodate the practical needs of a number of professional groups including nurses, social workers, dietitians, interior designers, psychologists, occupational and speech therapists, health care administrators and music and recreational therapists. It is also intended for graduate level students who are interested in learning more about clinical and leadership issues in Alzheimer's care and related illnesses. This 12-13 credit hour multidisciplinary Graduate Certificate program provides a theoretical framework and practical grounding in working with families and persons with dementia, in the home, community-based programs and 24-hour care settings. The program focuses on the social psychology of dementia; the changes that occur in the person with dementia, changes in how they communicate, and ways they compensate throughout the states of dementia. Students learn techniques to accommodate for these changes. Major themes of this program center on ongoing assessment of the person and his/her environment and the development of supportive interventions to increase the well-being of the person with dementia.

### **Fieldwork Opportunities**

A unique feature of this program is the fieldwork experiences that have been integrated into most courses. Assignments are customized, enabling students from different disciplines to complete projects in their own work settings. The Alzheimer's Education Program team makes on-site visits, when feasible, to see students' work in progress and to offer concrete feedback and mentoring. The instructional team is committed to individualizing projects so that students can explore challenging issues in more depth in their own work settings. This hands-on approach to learning enables students to refine their clinical and leadership skills and to become more effective clinicians/administrators.

The Alzheimer's Education Program has affiliations with several local clinical programs including Huron Woods, a residential dementia care program located on the campus of St. Joseph Mercy Hospital, the Alzheimer's Association and The Silver Club, an adult day program designed specifically for persons with dementia.

### **Scholarships Opportunities**

Several scholarships — the Edna Gates Scholarship in Dementia Care, the Mary Schroder Scholarship and the Sarah Graf Scholarship — are available to students enrolled in the Graduate Certificate in Dementia program. Awards are generally granted for the fall term.

### **Admission Requirements**

Applicants must:

1. Have a Bachelor's degree from an accredited institution, with a minimum 2.7 GPA or 3.0 in the last half of the undergraduate program:
2. Meet the Graduate School admission requirements:
3. Submit a one-page personal statement describing their professional history and goals in dementia care; and
4. Have an interview with the certificate coordinator.

A student does not have to be enrolled in a graduate degree program. Please note that credit earned for the Graduate Certificate may count, subject to applicability, toward a graduate degree.

## **Certificate Requirements**

The Graduate Certificate in Dementia is awarded upon satisfactory completion of 12-13 hours. This includes five required core courses, a 120-hour internship and enrollment in a practicum seminar.

The minimum acceptable grade in each required course is a B (3.0). Students scoring less than a B may repeat the course once before being dismissed from the program.

## Required Courses: 12-13 Hours

- GERT 518 - Introduction to Alzheimer's and Related Dementia 2 hrs
- GERT 523 - Designing Programs for People with Dementia 2 hrs
- GERT 524 - Families and Dementia 2 hrs
- GERT 526 - Behaviors in Dementia 2 hrs
- GERT 528 - Advanced Issues in Dementia Care 2 hrs

## Gerontology Practicum: 2-3 hours

*One course from the following:*

- GERT 688 - Gerontology Practicum 2 hrs
- GERT 689 - Gerontology Practicum 3 hrs

## Certificate Total: 12-13 hours

# Graduate Certificate in Gerontology (GERT)

Adviser: Andrea Gossett Zakrajsek, Ph.D.

104 Roosevelt Hall

734.487.3220

azakrajs@emich.edu

### **Program Advising**

The Gerontology program is administered by the Department of Social Work through a coordinating committee of faculty from approximately 12 departments and programs throughout the campus. The 18-hour multidisciplinary Graduate Certificate is for students with a Bachelor's degree from an accredited institution of higher education, wishing to pursue specialized study in aging, short of a Master's degree. It is targeted to those working in the field of aging seeking formal education in gerontology; persons considering a career change; and students wishing to learn about the aging process to enhance their own aging experience.

Although the Graduate Certificate in Gerontology does not require enrollment in a graduate degree program, it may be used as a cognate or concentration in other graduate programs, including Social Work, Clinical Behavioral Psychology, Women's Studies, Dietetics, Public Administration, Occupational Therapy, Leadership and Counseling, Sociology, the Master of Liberal Studies in Technology, the Master's degree in Individualized Studies and other Master's programs.

Most courses are offered in the evenings or on weekends. The program must be completed within three years. It is possible, however, to complete all requirements within one year.

### **Admission Requirements**

Applicants must:

1. Have a Baccalaureate from an accredited institution, with a minimum 2.7 GPA;
2. Meet the Graduate School admission requirements;
3. Submit a 250-word description of their academic and professional history and their professional goals in gerontology; and

4. Have an interview with the Gerontology program director. Students must be admitted to the Graduate Certificate program before enrolling in required course work.

## Certificate Requirements

The Graduate Certificate in Gerontology is awarded upon satisfactory completion of 18 hours. This includes five required courses, two or more electives and a practicum. Students are also required to complete a 120-hour internship and enroll into a practicum seminar. The minimum acceptable grade in each required course is 3.0 (B). Students scoring less than a B may repeat the course once before being dismissed from the program.

### Required Courses: 12-13 hours

- BIO 570 - Biological Aspects of Aging 2 hrs
- GERT 512 - Applied Psychosocial Aspects of Aging 3 hrs
- SWRK 620 - Policy Issues and Older People 3 hrs
- SWRK 553 - Ethnicity and Gender Issues Among the Aged 2 hrs

### One course from the following:

- GERT 688 - Gerontology Practicum 2 hrs
- GERT 689 - Gerontology Practicum 3 hrs

### Elective Courses: 5-6 hours

*Five to six hours from the following:*

*Additional applicable courses may be used in the elective area, with prior approval of the director of the program.*

- COUN 573 - Counseling Older Persons 2 hrs
- DTC 658 - Nutrition and Aging 3 hrs
- \* GERT 417 - Work and Retirement 2 hrs
- GERT 509 - Older Adults and Chemical Dependency 1 hr
- GERT 511 - Elders and Their Families 2 hrs
- GERT 513 - Intergenerational Programs and Services 2 hrs
- GERT 514 - Caregiving and the Elderly 2 hrs
- GERT 515 - Sexuality and Aging 1 hr
- GERT 516 - The Elderly and the Law 1 hr
- GERT 517 - Developing Funding Proposals for Aging Programs 2 hrs
- GERT 518 - Introduction to Alzheimer's and Related Dementia 2 hrs
- GERT 523 - Designing Programs for People with Dementia 2 hrs
- GERT 524 - Families and Dementia 2 hrs
- GERT 528 - Advanced Issues in Dementia Care 2 hrs
- GERT 530 - Assessment of Individuals with Dementia 2 hrs
- GERT 532 - Aging Through the Eyes of the Old 2 hrs
- GERT 590 - Special Topics 1 hr
- GERT 591 - Special Topics 2 hrs
- GERT 592 - Special Topics 3 hrs

- GERT 697 - Independent Study 1 hr
- GERT 698 - Independent Study 2 hrs
- GERT 699 - Independent Study 3 hrs
- IDE 503 - Physical Environments for Aging 2 hrs
- OOTH 619 - Programming III 6 hrs
- PSY 551 - Psychology of Death and Dying 2 hrs
- SWRK 624 - Working with Aging People 3 hrs

**Certificate Total: 18 hours**

## Note:

*Students may take one approved 400-level course toward the certificate if it is taken for graduate credit. (website: [www.emich.edu/gerontology](http://www.emich.edu/gerontology))*

## Graduate Certificate in Good Clinical Practices

Adviser: Stephen Sonstein, Ph.D.  
 206E Marshall  
 734.487.1238  
[ssonstein@emich.edu](mailto:ssonstein@emich.edu)

### Program Advising

The program provides students with both the knowledge base and practical experience in the process of new drug and medical device development. The courses and experiences provide a base of competence that can be used by individuals to seek employment in the pharmaceutical industry and the academic clinical research environment, or by those currently employed by industry or academia, to gain additional competencies.

The program consists of four courses offered in a format that meets the needs of the nontraditional and full-time employed student. Successful completion of the four courses, with a GPA of 3.0 or above, qualifies a student for acceptance into a preceptorship experience where students work with clinical research associates, clinical research coordinators and clinical scientists in a workplace setting to develop and polish monitoring skills.

The only prerequisite to the first course in the sequence is the possession of a bachelor's degree and admission to the Graduate School.

### Admission Requirements

Applicants must meet the Graduate School degree admission requirements.

## Certificate Requirements

The certificate requires 15 hours of course work to be distributed as follows:

- CLRA 510 - Introduction to Drug Development 3 hrs
- CLRA 520 - Clinical Study Administration I 3 hrs
- CLRA 530 - Clinical Study Administration II 3 hrs
- CLRA 540 - Advanced Topics in Clinical Study Management 3 hrs
- CLRA 550 - Preceptorship in Drug Development 3 hrs

Certificate Total: 15 hours

## **Graduate Certificate in Health Administration (HLAD)**

Adviser: Pam Walsh, Ph.D.  
347 Marshall  
734.487.2383  
pwalsh@emich.edu

Required Courses: 6 hours

- HLAD 520 - Healthcare Management Theory 3 hrs
- HLAD 524 - Healthcare Manager Strategies 3 hrs

Restricted Electives: 6 hours

*Six hours from the following:*

or any other elective courses selected in consultation with a graduate adviser

- HLAD 510 - Medical Care Organization 3 hrs
- HLAD 511 - Health Law 3 hrs
- HLAD 512 - Reimbursement for Health Care Services 3 hrs
- HLAD 521 - Healthcare Finance 3 hrs
- HLAD 523 - Medical Practice Management Care 3 hrs
- HLAD 525 - Quality Improvement in Health Care 3 hrs
- HLAD 550 - Internship 2 hrs

Certificate Total: 12 hours

## **Undergraduate Courses for Graduate Credit: School of Health Sciences**

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form from the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- OCH 412 - Models of Practice 3 hrs
- OCH 419 - Programming I 6 hrs
- OCH 495 - Neurological Foundations of Human Occupation 3 hrs

## **Graduate Certificate in Healthcare Informatics**

Adviser: Dan Lorence, Ph.D.  
313 Marshall

734.487.4096  
dlorencl@emich.edu

### **Program Advising**

This certificate introduces the student to information systems terminology, structures, applications, and their relationship to management functions in health services organizations. Health providers and enterprise-wide health systems are continuing to make multi-million dollar investments in information systems in order to meet new market and regulatory requirements. Health services managers are required to play a critical role in the analysis, design, acquisition, installation, operation and ultimate success of information systems necessary to meet organizational goals and objectives in such environments. This program exposes students to the fundamental IS/IT applications used to support healthcare management functions. In addition, applications and management issues unique to industry segments (e.g., long-term care, home care, hospital administration, physician practice management) will also be explored. The certificate is designed to ensure that students are schooled in the terminology, conceptual models, applications, opportunities, and limitations of core technologies and their relation to information systems used in health services, to the point where they can ask appropriate questions, recognize and state significant issues, and participate in the discussion and analysis of information systems development and application.

Ultimately, the program seeks to provide students with an understanding of the basic structures of information systems in health administration; the relationship of these systems to managerial functions, such as communications, coordination, control, strategic and process planning and decision making; and the important policy and ethical issues associated with privacy, confidentiality, and security in information systems. A key component of the certificate will be a commitment to provide continuous updates to course materials, as US healthcare technology and policy evolves. Also, since the certificate represents the integration and application of a prerequisite CIS or Computer Science sequence, students will be grounded in fundamental technologies commonly used in healthcare in addition to gaining an understanding of major information management issues specific to healthcare systems.

### **Admission Requirements**

Applicants must meet the Graduate Studies and Research degree admission requirements.

## **Required Courses: 12 hours**

- HLAD 510 - Medical Care Organization 3 hrs
- HLAD 576 - Informatics in Healthcare Management 3 hrs
- IS 606 - Web Application Development 3 hrs

### **One of the following:**

- HLAD 511 - Health Law 3 hrs
- HLAD 521 - Healthcare Finance 3 hrs

## **Restricted Electives: 6 hours**

*Choose two courses from the following:*

- IS 614 - Systems Analysis and Design 3 hrs
- IS 645 - Database Management Systems 3 hrs
- IS 650 - Enterprise Resource Planning 3 hrs
- IS 662 - Business Intelligence 3 hrs

## **Certificate Total: 18 hours**

## **Master's**

### **Master of Occupational Therapy (MOT)**

Adviser: Sharon Holt, M.H.S., O.T.R.L.  
214H Marshall  
734.487.3398  
ot\_intent\_advising@emich.edu

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#### **Program of Study**

Occupational therapy advising for occupational therapy-intent students is performed by the OT intent advisor or the College of Health and Human Services Advising Center. All students should attend a group advising session with the OT intent advisor to discuss admission and portfolio requirements. Upon acceptance into the occupational therapy program, students are assigned a faculty advising team. All students admitted to the program must meet with their advising team before registering each semester.

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#### **Contact Information:**

NBCOT  
The Eugene Casey Building  
800 South Frederick Avenue, Suite 200  
Gaithersburg, MD 20877-4150  
(301) 990-7979

#### **The Master of Occupational Therapy (MOT) Degree**

There are two different tracks or means of entering the Masters of Occupational Therapy Program, the 3+2 track, and the MOT track. The MOT track is designed for individuals who have already completed an undergraduate degree in a field other than occupational therapy. This track requires the student to complete two years of graduate course work in occupational therapy followed by 6 months of Level II fieldwork and culminates with a Master of Occupational Therapy (MOT) degree.

**Required Prerequisite Courses:**

In order to be considered for admission to the occupational therapy program, all applicants must complete the following prerequisite courses with a grade of B- or better. If you have previously taken these courses at another university, please note that all prerequisite substitutions must be pre-approved before the submission of your portfolio. Submission of your portfolio without prior approval will result in your application being denied.

**Anatomy & Physiology**

\* BIO 251 - Human Anatomy and Physiology (3 hrs)

BIO 252 - Human Anatomy and Physiology II (3 hrs)

**Neuroanatomy**

BIO 330 - Neuroanatomy (4 hrs)

**Medical Terminology**

\* AHPR 200 - Medical Terminology (1 hr)

**Statistics**

\* All of the following EMU courses meet this requirement: SOCL 250, EDPS 621, EDPS 651, MATH 170, MATH 360, MATH 370, MATH 571, MATH 573, MATH 574, or PSY 205

**Human Growth and Development**

\* IHHS 260 - Aging to Infancy: A Life Course Retrospective (3 hrs); or

\* EDPS 325 - Life Span Human Growth and Development (4 hrs)

\* These four courses must be completed by the application deadline. The remaining two must be completed before entering the program.

**Application Process**

The competitive admission process consists of a review of portfolios by a screening committee in the occupational therapy program followed by interviews with the faculty for applicants who make the cut. Portfolios are accepted once a year on August 1 for students interested in beginning the program in the Winter semester of that year. No late submissions are accepted. The portfolio must include the following items: official college transcripts from all schools attended, results of the GRE General Test, one academic reference, documentation of 100 hours of completed volunteer service with two references from these experiences, and a sample of reflective writing. Detailed information about the application process can be found on the program's website. We strongly encourage all students with the OT intent advisor in order to successfully complete their application.

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**Fieldwork**

A minimum of six months of full time supervised fieldwork is required at the conclusion of the academic program. Field placements are arranged by the Occupational Therapy Fieldwork Coordinator and approved by the faculty.

**Scholarships**

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**Accreditation**



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## Foundation Core: 30 hours

- HLAD 510 - Medical Care Organization 3 hrs
- OCTH 412 - Models of Practice 3 hrs
- OCTH 419 - Programming I 6 hrs
- OCTH 495 - Neurological Foundations of Human Occupation 3 hrs
- OCTH 500 - Philosophy of Occupational Therapy 3 hrs
- OCTH 502 - Theory and Analysis of Occupation 3 hrs
- OCTH 519 - Programming II 6 hrs
- OCTH 540 - Research Methods I 3 hrs

## Master of Occupational Therapy Core Courses: 33 hours

- OCTH 516 - Level I Community Fieldwork II 3 hrs
- OCTH 517 - Level I Community Fieldwork III 3 hrs
- OCTH 588 - Fieldwork Level II: Clinical Skills 6 hrs
- OCTH 589 - Fieldwork Level II: Clinical Skills 6 hrs
- OCTH 600 - Supervision and Professional Roles 3 hrs
- OCTH 619 - Programming III 6 hrs
- OCTH 686 - Culminating Project I 3 hrs
- OCTH 687 - Culminating Project II 3 hrs

## Program Total: 63 hours

## Master of Science in Clinical Research Administration (CRAD)

Adviser: Stephen Sonstein, Ph.D.  
206E Marshall  
734.487.1238  
ssonstein@emich.edu

In recent years, there has been tremendous growth in pharmaceutical and medical device research and development. This growth has been in the traditional pharmaceutical companies and in the emerging biotechnology industry. Many factors have fueled this expansion, including the emergence of new discovery and manufacturing technologies, new drug therapies, the Human Genome Project, high throughput screening and the need for new pharmaceuticals that has been generated by population growth and the aging of the “baby boom” generation. In 2004, a record \$45 billion was invested in pharmaceutical research in the United States. In order to conduct this growing clinical research enterprise, there needs to be an expanded and better qualified workforce. This workforce must possess the knowledge, skills, attitudes and abilities necessary to accomplish the tasks of coordinating and monitoring clinical studies as well as managing data and interfacing with the regulatory agencies. Eastern Michigan University developed one of the first academic programs designed to produce individuals credentialed to function in the area of Clinical Research Administration and is now a national leader in the area.

The mission of EMU’s Clinical Research Administration Program is twofold: a) to provide an opportunity for professionals participating in the drug/device development process to increase their knowledge base as well as their research/creative skills.

This should provide a pathway for upward mobility in their professional careers within the drug/device research and development industry; b) to provide an academic experience which includes both didactic information and hands-on preceptorships in order to provide qualified new personnel to the drug development industry.

Toward this end, EMU has developed two interlinked programs. The Post-Baccalaureate Certificate in Clinical Research Administration consists of four courses which provide information concerning the drug development process, good clinical practice (GCP), federal regulations and guidelines (United States and international), clinical research protocol development, implementation and monitoring. Courses are offered in a format which suits the nontraditional student and allows the student with a full-time job to complete the courses while continuing to work. Upon satisfactory completion of the didactic component of the program, students may apply for admission into a hands-on preceptorship experience with contract research organizations, pharmaceutical firms and clinical facilities which collaborate with the program.

The Master's degree in Clinical Research Administration is designed for individuals who are already employed in the industry and desire increased perspective and competency and a higher level of responsibility. The four required courses in the certificate program are supplemented with program electives, cognate electives and a project or thesis.

EMU's clinical research administration program is fortunate to have the support and collaboration of the following organizations:

- Pfizer, Inc.
- i3 STATPROBE, Inc.
- Consortium of Academic Programs in Clinical Research
- Oakwood Hospital
- Borgess Research Institute
- Providence Hospital
- University of Michigan Hospital
- William Beaumont Hospital
- University of Michigan Center for Clinical Investigation and Therapeutics
- St. Joseph Mercy Hospital
- Karmanos Cancer Center
- Henry Ford Hospital

## **Admission Requirements**

Successful applicants to the Clinical Research Administration program will have demonstrated a sincere desire for a career with a focus on clinical research and development. Applicants must be fully aware of the differences in their career path from one in basic research, discovery research or device invention.

To be admitted applicants must have a Bachelors of Science or Arts. While previous studies in the sciences, engineering or health care are preferred applicants may come from a wide variety of undergraduate (or post graduate) areas of study including, but not limited to: nursing, pre-med, biology, chemistry, mathematics, science education, pharmacy, engineering, business, computer science, psychology, social sciences, pre-law, etc. Applicants with M.A., M.S., Ph.D., M.D., or J.D. degrees are encouraged to apply. Applicants should have excellent computer skills. Prior experience in a relevant industry is highly desirable.

## **Formal Requirements for Full Admission**

To be fully accepted into the Clinical Research Administration program an applicant must:

1. Be a Baccalaureate graduate of an accredited four-year college or university;
2. Have a grade point average (GPA) of at least 3.0 (on a 4.0 scale) in the last 60 semester/90 quarter units of course work;

3. Applicants who do not possess a Bachelor's degree from a post-secondary institution where English is the principal language of instruction must take and pass the TOEFL (Test of English as a Foreign Language) with a score of 84 or better;
4. Submit 2 letters of support;
5. Submit a statement of 500 words or more concerning career objectives.

Applicants should note that a high degree of proficiency in both written and oral communications in English is a fundamental skill required both to successfully complete the degree program and for success in the field. Applicants who are unsure of their skill level in either spoken or written English are advised to consult with the program director. For those whose English language skills are not adequate for full admission there may be programs made available to enable full admission at a later date.

Based on further documentation, the Program Director may waive any of the formal requirements, other than the first above, to take into consideration other factors on a case-by-case basis. Work experience in a related field, life experience, fluency in multiple languages or other cultural knowledge may be considered as well as prior academic performance. Admission may be granted on a Conditional Basis with specific requirements that must be met prior to Full Admission.

## Required Courses: 13 hours

- CLRA 510 - Introduction to Drug Development 3 hrs
- CLRA 520 - Clinical Study Administration I 3 hrs
- CLRA 530 - Clinical Study Administration II 3 hrs
- CLRA 540 - Advanced Topics in Clinical Study Management 3 hrs
- CLRA 601 - Graduate Seminar in Drug Development 1 hr

## Elective Courses: 18 hours

*Choose eighteen hours from the following:*

- BIO 542 - Molecular Genetics 3 hrs
- CHEM 411 - Toxicology I 2 hrs
- CHEM 412 - Toxicology II 3 hrs
- CHEM 515 - Industrial and Environmental Chemistry 3 hrs
- CHEM 555 - Neurochemistry 3 hrs
- CHEM 571 - Advanced Organic Chemistry 3 hrs
- CLRA 501 - Fundamentals of Epidemiology 3 hrs
- CLRA 550 - Preceptorship in Drug Development 3 hrs
- CLRA 561 - Legal Issues in Drug Development 2 hrs
- CLRA 571 - Grant and Contract Management for Research Project Administrators 3 hrs
- CLRA 575 - Ethical Issues in Clinical Research 3 hrs
- CLRA 581 - Regulatory Affairs in Drug Development I 3 hrs
- CLRA 582 - Regulatory Affairs in Drug Development II 3 hrs
- CLRA 583 - Regulatory Affairs in Drug Development III 3 hrs
- HLAD 510 - Medical Care Organization 3 hrs
- HLAD 511 - Health Law 3 hrs
- NURS 500 - Advanced Pathophysiology 3 hrs
- OETH 540 - Research Methods I 3 hrs

## Thesis or Project: 3-6 hours

*Choose one option from the following:*

### Option I - Thesis: 3-6 hours

*Choose three to six hours from the following:*

- CLRA 685 - Research Proposal Development 1 hr
- CLRA 690 - Thesis 1 hr
- CLRA 691 - Thesis 2 hrs
- CLRA 692 - Thesis 3 hrs

### Option II - Project: 3-4 hours

*Choose either three or four hours from the following:*

- CLRA 685 - Research Proposal Development 1 hr
- CLRA 695 - Special Project in Clinical Research Administration 3 hrs

## Program Total: 34-37 hours

# Master of Science in Dietetics (DTCC)

Adviser: Lydia Kret, M.S., R.D.  
339 Marshall  
734.487.7862  
lkret@emich.edu

### Admission Requirements

1. GPA of 2.75 or above with satisfactory completion (C or above) of the following undergraduate prerequisite courses prior to entrance into the professional phase of the program: AHPR 200 - Medical Terminology; BIO 326 - Human Physiology or SPMD 269 - Anatomy and Physiology for Dietetics; BIO 328 - Introductory Microbiology; CHEM 270 - Survey of Organic Chemistry; CHEM 351 - Survey of Biochemistry; DTC 108 - Careers and Nutrition in Dietetics; DTC 202 - Principles of Human Nutrition; DTC 251 - Experimental Foods; IHHS 260 - Aging to Infancy: A Life Course Retrospective or EDPS 325 - Life Span Human Growth and Development; PSY 101 - General Psychology Lecture; and SOCL 250 - Quantitative Applications in Sociology or MATH 170 - Elementary Statistics.
2. Program application submission (please see the Extended Programs and Educational Outreach web site for materials).
3. Recency of education rules apply to any program courses that are transferred into Eastern Michigan University. Please follow the Recency of Education link to learn more.

### Registration in Dietetics

Upon successful completion of the coordinated dietetics curriculum and degree, students will be eligible to sit for the Registration Examination for Dietitians. Passage of the exam will provide the recognized credential of Registered Dietitian through the Accreditation Council for Education in Nutrition and Dietetics of the Academy of Nutrition and Dietetics.

The Coordinated Program in Dietetics is fully accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND), which integrates academic study with professional practice experience in a coordinated program in dietetics. Upon completion of the Master of Science degree in Dietetics, students qualify for membership in the Academy of Nutrition and Dietetics and/or are eligible to take the Credentialing Examination for Registered Dietitians. Excellent career opportunities for dietitians are available in hospitals and other health care facilities; in community agencies; in industrial, university, and school food service programs; in business; in teaching; in research; or in private practice.

Accreditation Council for Education in Nutrition and Dietetics  
The Academy of Nutrition and Dietetics  
120 South Riverside Plaza, Suite 2000  
Chicago, IL 60606-6995  
312.889.0040 ext. 540  
[www.eatright.org](http://www.eatright.org)  
[www.cdnnet.org](http://www.cdnnet.org)

## Required Courses: 70 hours

- DTC 302 - Nutrient Metabolism: Macronutrients 3 hrs
- DTC 330 - Nutrition Therapy I 3 hrs
- DTC 350 - Food Systems Management I 3 hrs
- DTC 358 - Food and Culture 3 hrs
- DTC 370 - Nutrition Therapy II 3 hrs
- DTC 372 - Nutrition of the Life Cycle 3 hrs
- DTC 375 - Complementary and Alternative Medicine 3 hrs
- DTC 422 - Nutrient Metabolism: Micronutrients 3 hrs
- DTC 430 - Nutrition Therapy III 3 hrs
- DTC 435 - Seminar in Dietetics 2 hrs
- DTC 450 - Food Systems Management II 2 hrs
- DTC 470 - Nutrition Therapy IV 2 hrs
- DTC 500 - Research Design and Methods 3 hrs
- DTC 531 - Nutrition Therapy I Experience 2 hrs
- DTC 551 - Food Systems Management I Experience 4 hrs
- DTC 571 - Nutrition Therapy II Experience 4 hrs
- DTC 608 - Advanced Topics in Foods 3 hrs
- DTC 618 - Advanced Topics in Nutrition 3 hrs
- DTC 631 - Nutrition Therapy III Experience 4 hrs
- DTC 651 - Food Systems Management II Experience 4 hrs
- DTC 659 - Development of the Entrepreneurial Dietitian 3 hrs
- DTC 671 - Nutrition Therapy IV Experience 4 hrs
- MATH 502 - Introductory Statistics for Graduate Students 3 hrs

## Culminating Experience: 3-6 hours

*Select from option I, option II, or option III:*

### Option I

Thesis Option - 6 credits

- DTC 691 - Thesis I 2 hr
- DTC 692 - Thesis II 3 hrs
- DTC 693 - Thesis III 1 hrs

### Option II

Non-Thesis Research Option - 6 credits

- DTC 694 - Research I 2 hrs
- DTC 695 - Research II 3 hrs
- DTC 696 - Research III 1 hr

### Option III

Research Writing Option - 3 credits

- DTC 601 - Research Writing 3

**Program Total: 73-76 hours**

## **Master of Science in Human Nutrition (NUTR)**

Adviser: Anahita Mistry, Ph.D.  
318 Marshall  
734.487.5079  
amistry@emich.edu

### **Master of Science in Human Nutrition**

EMU-Online Master of Science in Human Nutrition provides an in-depth study of nutrition based on sound and current scientific evidence. This degree does not lead to the RD credential. The Master of Science in Dietetics is recommended for those seeking the RD credential.

Out-of-state students receive Michigan resident (in-state) tuition rates for all EMU-Online courses.

### **Career Opportunities**

This degree can enhance your current degree and provide opportunities in health care, business, education and the field of human performance. If you are a registered dietitian, this degree allows you to obtain Continuing Professional Education toward maintaining your credential.

### **Number of Credits**

A total of 30-36 credit hours are required to complete the program. Total credits are dependent upon individualized program of

study. If there are deficiencies in your undergraduate program of study or if a course needs to be repeated, additional credit hours may be required.

### **Prerequisite Courses**

Taken at EMU or an approved equivalent course at another university.

Grade of "C" or better in:

- Anatomy and Physiology (EMU equivalent SPMD 269 or BIO 326)
- Foundations of Biochemistry (EMU equivalent CHEM 351)
- Elementary Statistics (EMU equivalent SOCL 250 or MATH 170)

Grade of "B" or better in:

- Principles of Human Nutrition (EMU equivalent DTC 202)
- Nutrient Metabolism - Macronutrients (EMU equivalent DTC 302)
- Nutrition of the Lifecycle (EMU equivalent DTC 372)
- Community Nutrition/Nutrition Therapy III (EMU equivalent DTC 430)

*Note: Students who do not have a degree in nutrition or dietetics will need two nutrition courses with a grade of B or above before taking any graduate courses.*

## **Department Courses: 18-34 hours**

### **Required Courses: 9 hours**

- DTC 500 - Research Design and Methods 3 hrs
- DTC 618 - Advanced Topics in Nutrition 3 hrs
- DTC 648 - Methods and Strategies for Community-Based Nutrition Services 3 hrs

### **Supporting Nutrition and Foods: 3-19 hours**

- DTC 504 - Sports Nutrition (NEW COURSE) 3
- DTC 509 - Nutrition Support 3 hrs
- DTC 518 - Interdisciplinary Team Functions 3 hrs
- DTC 538 - Outcomes Management 3 hrs
- DTC 608 - Advanced Topics in Foods 3 hrs
- DTC 628 - Medical Nutrition Therapy 3 hrs
- DTC 638 - Cultural Nutrition and Nutritional Ecology 3 hrs
- DTC 658 - Nutrition and Aging 3 hrs
- DTC 659 - Development of the Entrepreneurial Dietitian 3 hrs
- DTC 668 - Proteins, Lipids and Carbohydrates 3 hrs
- DTC 669 - Vitamins and Minerals 3 hrs

**Course options that must be arranged with a program advisor**

- DTC 590 - Special Topics 1 hr
- DTC 591 - Special Topics 2 hrs
- DTC 592 - Special Topics 3 hrs
- DTC 597 - Independent Study 1 hr
- DTC 598 - Independent Study 2 hrs
- DTC 599 - Independent Study 3 hrs
- DTC 607 - Colloquium 2 hrs
- DTC 679 - Special Topics 1 hr
- DTC 680 - Special Topics 2 hrs
- DTC 681 - Special Topics 3 hrs
- DTC 683 - Workshop 2 hrs
- DTC 686 - Practicum 1 hr
- DTC 687 - Practicum 2 hrs
- DTC 688 - Practicum 3 hrs
- DTC 689 - Practicum 4 hrs
- DTC 697 - Independent Study 1 hr
- DTC 698 - Independent Study 2 hrs
- DTC 699 - Independent Study 3 hrs

## Culminating Experience: 6 hours

*Select from either Option I or Option II:*

### Option I: Thesis

*This degree involves completion of 24 semester hours of course work and six credit hours of thesis.*

- DTC 691 - Thesis I 2 hr
- DTC 692 - Thesis II 3 hrs
- DTC 693 - Thesis III 1 hrs

### Option II: Research

*This non-thesis option requires 30 hours of course work and a six credit hour, research project of publishable quality.*

- DTC 694 - Research I 2 hrs
- DTC 696 - Research III 1 hr
- DTC 695 - Research II 3 hrs

## Cognate Courses: 3-19 hours

### Required Course: 3 hours

- MATH 502 - Introductory Statistics for Graduate Students 3 hrs

## Supporting Courses: 0-16 hours



*Course options outside the Human Nutrition Department must be arranged with the program adviser.*

- ACC 646 - Financial Management of Nonprofit Organizations 3 hrs
- EDLD 611 - Introduction to Adult and Continuing Education 3 hrs
- EDMT 623 - Instructional Design and Development of Multimedia Instructional Materials 3 hrs
- EDPS 600 - Human Development 3 hrs
- LAW 503 - Law, Enterprise and Ethics 3 hrs
- MGMT 570 - New Venture Creation 3 hrs
- QUAL 549 - Problem Solving for Quality Improvement 2 hrs
- QUAL 556 - Human Aspects of Continuous Improvement 3 hrs
- QUAL 557 - Measuring Customer Satisfaction 3 hrs

**Program Total: 30-36 hours**

## **Master's in Health Administration**

Adviser: Pam Walsh, Ph.D.  
347 Marshall  
734.487.2383  
pwalsh@emich.edu

### **Goal:**

To develop highly qualified professionals with solid knowledge and skills related to the analysis, planning, design and management of health care institutions and organizations.

### **Objectives:**

Upon completion of this program students will be able to:

- Articulate the institutional characteristics of the organization, financing and delivery of health care services in the U.S.;
- Critically analyze theories and methodologies of health services management as applied to public health issues and organizations, urban health care, poverty and indigence, and public health policy formation;
- Articulate the theories and methodologies of health services management as applied to market-oriented, private health care organizations and health care delivery systems.
- Critically assess and engage in active problem solving and decision making within the ever-changing health care environment.

### **Goal:**

To make relevant contributions to the advancement of health services administration knowledge to enhance students' learning experience throughout the program.

### **Objectives:**

Through participation in this program students will be able to:

- Design and execute applied research projects that contribute to improved operation or organization performance;
- Complete an integrative analysis project resulting in scholarly publications for dissemination in scientific journals and other relevant sources; and

- Become actively involved in health administration faculty research projects that may lead to the completion of an integrative analysis project, journal articles and presentations at scholarly meetings.

**Goal:**

To have our students actively serve the local, state and national community by contributing to health care related forums and discussions on health issues, especially those that relate to social policy and populations at risk.

**Objectives:**

Upon completion of this program, students will be able to:

- Actively participate in national, state and local professional health administration/health care organizations involved in discussions of health related issues;
- Critically assess and provide health care decision-makers in specific health care organizations with scientific information about indigent populations and other populations at risk; and
- Actively participate in community-oriented projects and activities that relate to health and policy issues.

**Required Core Courses: 23 hours**

- HLAD 510 - Medical Care Organization 3 hrs
- HLAD 511 - Health Law 3 hrs
- HLAD 520 - Healthcare Management Theory 3 hrs
- HLAD 524 - Healthcare Manager Strategies 3 hrs
- HLAD 610 - Leadership in Health Care Administration 3 hrs
- PLSC 660 - Public Health Care Policy 2 hrs

**One course from the following:**

- MGMT 509 - Strategic Human Resource Management 3 hrs
- PLSC 515 - Public Personnel Administration 3 hrs

**One course from the following:**

- HLAD 521 - Healthcare Finance 3 hrs
- PLSC 540 - Public Budget Administration 3 hrs

**Research Courses: 5 hours**

*Select either Sequence I or Sequence II*

**Sequence I:**

- HLAD 600 - Health Care Research Methods 3 hrs
- \* PLSC 677 - Analytical Methods for Public Administration 2 hrs

**Sequence II:**

- \* PLSC 677 - Analytical Methods for Public Administration 2 hrs
- PLSC 678 - Analytical Techniques for Public Administration 3 hrs

## Content Specific Electives: 3-6 hours

*One to two courses from the following:*

- HLAD 512 - Reimbursement for Health Care Services 3 hrs
- HLAD 525 - Quality Improvement in Health Care 3 hrs
- HLAD 526 - Effective Long-Term Care Administration 3 hrs
- PLSC 635 - Public Policy Analysis and Evaluation 2 hrs

## Culminating Project Courses: 2-5 hours

- HLAD 690 - Integrative Analysis Project I 2 hrs
- HLAD 691 - Integrative Analysis Project II 3 hrs
- HLAD 692 - Integrative Analysis Project III 1 hr

Internship (Required for Pre-service students): 0-2 hours

Program Total: 33-41 hours

## Clinical Laboratory Science

### CLSC 401 - Laboratory Management/Education

Basic management skills for laboratory personnel and laboratory. Personnel practices, equipment and reagent purchase, and laboratory information systems including computer applications, laboratory statistics and evaluation of methods are covered in this lecture course.

**Credit Hours:** 3 hrs

**Prerequisites:** CLSC 200 and MATH 170 or equivalent

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

### CLSC 590 - Special Topics

Advanced-level courses covering specific topics in clinical laboratory sciences. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** permission of instructor

### CLSC 591 - Special Topics

Advanced-level courses covering specific topics in clinical laboratory sciences. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** permission of instructor

### **CLSC 592 - Special Topics**

Advanced-level courses covering specific topics in clinical laboratory sciences. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** permission of instructor

### **CLSC 597 - Independent Study**

Independent original endeavors involving library and/or laboratory work under the guidance of a clinical laboratory sciences program faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** permission of instructor

### **CLSC 598 - Independent Study**

Independent original endeavors involving library and/or laboratory work under the guidance of a clinical laboratory sciences program faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** permission of instructor

### **CLSC 599 - Independent Study**

Independent original endeavors involving library and/or laboratory work under the guidance of a clinical laboratory sciences program faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** permission of instructor

### **CLSC 639 - Continuous Enrollment**

Graduate students who are completing research (Master's or Specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **CLSC 679 - Special Topics**

Advanced-level courses covering specific topics in clinical laboratory sciences. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** permission of instructor

### **CLSC 680 - Special Topics**

Advanced-level courses covering specific topics in clinical laboratory sciences. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** permission of instructor

### **CLSC 681 - Special Topics**

Advanced-level courses covering specific topics in clinical laboratory sciences. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** permission of instructor

### **CLSC 697 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **CLSC 698 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **CLSC 699 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **Clinical Research Administration**

### **CLRA 501 - Fundamentals of Epidemiology**

Lecture and discussion course of epidemiological measurements, applications, study design, disease risk assessment and interpretation. Epidemiology is the basic science of disease prevention and plays a major role in the development and evaluation of public policy. Risk factors for disease mechanisms involved in pathogenesis will be discussed.

**Credit Hours:** 3 hrs

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Previously Listed as:** CLSC 501

**Last Updated:** Prefix Change 02/2012, effective Fall 2012; Removal of Prerequisites 10/2011; Links 06/2011

## **CLRA 510 - Introduction to Drug Development**

Introduction to the pharmaceutical industry and the process of drug development. Drug development phases 1-4 are discussed. Regulatory requirements of the Food and Drug Administration are reviewed along with the content of the investigational new drug application (IND), the new drug application (NDA) and the marketing authorization application (international). The roles of investigator, coordinator, sponsor and monitor are discussed. Exposure to the skills necessary to function as a successful study monitor is given.

**Credit Hours:** 3 hrs

## **CLRA 520 - Clinical Study Administration I**

Provides an overview of the development, content and process of the clinical research study. Topics include protocols, case report forms, investigator brochures, informed consent, institutional review boards and Statement of Investigator Form 1572.

**Credit Hours:** 3 hrs

**Prerequisites:** CLRA 510 or permission of the instructor

**Last Updated:** May 2011

## **CLRA 530 - Clinical Study Administration II**

Course builds on the content of CLRA 520 and expands upon the processes involved in study management. Topics include source document verification, visit types, drug accountability, adverse events, laboratory and supplies.

**Credit Hours:** 3 hrs

**Prerequisites:** CLRA 520 or permission of the instructor

**Last Updated:** 05/2011

## **CLRA 540 - Advanced Topics in Clinical Study Management**

Capstone experience utilizes the background material presented in CLRA 510/CLRA 530 to integrate all of the components of a clinical research program and how they relate to the completed submission of a document to the U.S. Food and Drug Administration.

**Credit Hours:** 3 hrs

**Prerequisites:** CLRA 530 or permission of the instructor

**Last Updated:** 05/2011

## **CLRA 550 - Preceptorship in Drug Development**

The preceptorship is an individualized hands-on experience which gives the student on-the-job experience in both a clinical setting where patients are enrolled in clinical trials and a clinical research organization or pharmaceutical corporation where protocols are developed, implemented and monitored. Students interact with clinical research associates, clinical research coordinators and clinical scientists in a workplace setting to develop and polish clinical research coordinating and monitoring skills.

**Credit Hours:** 3 hrs

**Prerequisites:** CLRA 540 or instructor permission

**Last Updated:** 07/2011; 05/2011

### **CLRA 561 - Legal Issues in Drug Development**

This course will prepare clinical research administrators and others who may be involved in the drug development process in the fundamentals of the patent process and the function of the governmental agencies which supervise the process. Other issues which relate to technology transfer and licensing will also be discussed.

**Credit Hours:** 2 hrs

**Prerequisites:** CLRA 510

**Last Updated:** May 2011

### **CLRA 571 - Grant and Contract Management for Research Project Administrators**

This course will prepare future clinical research administrators and others involved in research administration, in the fundamentals of pre- and post-award management of research projects. Emphasis is given to understanding the terms and conditions of contracts and grant award documents, and to management issues involved in forming and managing sub-contractual relationships.

**Credit Hours:** 3 hrs

### **CLRA 575 - Ethical Issues in Clinical Research**

This graduate level course will focus on the ethical issues which are of concern during the conduct of clinical research. Topics will cover study planning, conduct and information dissemination.

**Credit Hours:** 3 hrs

**Prerequisites:** CLRA 510

**Last Updated:** New Course 07/2011

### **CLRA 581 - Regulatory Affairs in Drug Development I**

The course is part of a 3-course sequence that provides a working knowledge of pharmaceutical regulatory affairs. Emphasis on US development, although topics will include non-US development and the development of biologics, OTC and devices. This course focuses on drug discovery through IND submission and clinical development. Issues include portfolio decision-making.

**Credit Hours:** 3 hrs

**Last Updated:** 07/22/2011

### **CLRA 582 - Regulatory Affairs in Drug Development II**

This course is part of a 3-course sequence that provides a working knowledge of pharmaceutical regulatory affairs. Emphasis is on US development, although topics will include non-US development and the development of biologics, OTC and devices. This course focuses on marketing application (NDAs), labeling, marketing approval and product launch.

**Credit Hours:** 3 hrs

**Prerequisites:** CLRA 581

**Last Updated:** 07/2011; 05/2011

### **CLRA 583 - Regulatory Affairs in Drug Development III**

This course is part of a 3-course sequence that provides a working knowledge of pharmaceutical regulatory affairs. Emphasis is on a US development, although topics will include non-US development and the development of biologics, OTC and devices. This course addresses post-approval issues including advertising and promotion, drug safety and pricing.

**Credit Hours:** 3 hrs

**Prerequisites:** CLRA 581 and CLRA 582

**Last Updated:** 07/2011; May 2011

### **CLRA 590 - Special Topics**

Advanced-level courses covering specific topics in associated health professions. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **CLRA 591 - Special Topics**

Advanced-level courses covering specific topics in associated health professions. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **CLRA 592 - Special Topics**

Advanced-level courses covering specific topics in associated health professions. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **CLRA 597 - Independent Study**

Independent original endeavors under the guidance of an associated health professions faculty member.

**Credit Hours:** 1 hrs

**Prerequisites:** department permission

### **CLRA 598 - Independent Study**

Independent original endeavors under the guidance of an associated health professions faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **CLRA 599 - Independent Study**

Independent original endeavors under the guidance of an associated health professions faculty member.



**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **CLRA 601 - Graduate Seminar in Drug Development**

Presentation of special reports and group discussions of selected topics in clinical research.

**Credit Hours:** 1 hr

**Class Restrictions:** Graduate standing or permission of instructor for Senior undergraduates

### **CLRA 639 - Continuous Enrollment**

Graduate students who are completing research (Master's or Specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through Continuous Enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **CLRA 685 - Research Proposal Development**

Under the guidance and supervision of a faculty member of the clinical research administration program, the student will propose and finalize a research proposal for a thesis or special project.

**Credit Hours:** 1 hr

**Terms Offered:** Offered on a credit/no-credit basis.

**Last Updated:** Grading Option Change 04/2012, effective Fall 2012; New Course 01/2012

### **CLRA 690 - Thesis**

Intensive research into a problem under the guidance and supervision of a graduate faculty member of the clinical research administration program, and the preparation of a thesis consistent, in substance and form with the standards of the discipline.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **CLRA 691 - Thesis**

Intensive research into a problem under the guidance and supervision of a graduate faculty member of the clinical research administration program, and the preparation of a thesis consistent, in substance and form with the standards of the discipline.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **CLRA 692 - Thesis**

Intensive research into a problem under the guidance and supervision of a graduate faculty member of the clinical research administration program, and the preparation of a thesis consistent, in substance and form with the standards of the discipline.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **CLRA 695 - Special Project in Clinical Research Administration**

The student will conduct an individualized special project under the guidance and supervision of a faculty member of the Clinical Research Administration Program. The student will prepare a research paper and present the results in a formal seminar to the faculty and students of the program.

**Credit Hours:** 3 hrs

**Prerequisites:** department and instructor permission

**Terms Offered:** Offered on a credit/no-credit basis.

**Last Updated:** Course Description and Prerequisite Change 01/2012, effective Winter 2012

## **Health Administration**

### **HLAD 510 - Medical Care Organization**

A theoretical approach to the medical care system that allows the consideration of the key problems and issues such as DRG-based prospective payment, alternative delivery systems, and cost-quality tradeoffs.

**Credit Hours:** 3 hrs

**Prerequisites:** minimum 2.8 GPA

**Class Restrictions:** Senior standing

### **HLAD 511 - Health Law**

Legal aspects of health law for the design, administration and regulation of health care services will be explored from the alternative perspectives of providers, reimbursement sources, government and professional accreditation. Contract, tort, advocacy, enforcement of regulations and other topics will be covered, as well as the controversial issues of the definition of life and death, informed consent, medical malpractice, liability and legal entitlement of health care services.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission for undergraduates

### **HLAD 512 - Reimbursement for Health Care Services**

This is a survey of the full range of public and private sector methods of reimbursing health care services. The course covers all aspects of private health insurance, Blue Cross and Blue Shield, Medicare, Medicaid, welfare health care reimbursement, government regulation of health insurance, national health insurance proposals and the problem of uninsured populations in the United States.

**Credit Hours:** 3 hrs

**Prerequisites:** minimum 2.8 GPA

**Class Restrictions:** Senior standing

### **HLAD 520 - Healthcare Management Theory**

This course will provide a survey and synthesis of behavioral science theories relevant to healthcare management. Various models will be discussed that will help managers find and achieve the delicate dynamic balance between business performance

and the mission of patient care.

**Credit Hours:** 3 hrs

### **HLAD 521 - Healthcare Finance**

The purpose of healthcare financial management is to provide finance procedures and techniques that assist healthcare managers in accomplishing the organization's purpose.

**Credit Hours:** 3 hrs

### **HLAD 523 - Medical Practice Management Care**

This course will provide an overview of the managed care industry from the perspective of the physician practice. Topics that will be explored will include contract analysis, reimbursement under capitation, marketing, risk-sharing and regulation.

**Credit Hours:** 3 hrs

### **HLAD 524 - Healthcare Manager Strategies**

This course will identify and explore the fundamental interpersonal competencies that are essential for the healthcare manager's success.

**Credit Hours:** 3 hrs

### **HLAD 525 - Quality Improvement in Health Care**

This course will provide a survey and synthesis of quality management in health care. Quality management will be presented using an interdisciplinary perspective, taking into account a number of disciplines, including operations management, organizational behavior and health services research.

**Credit Hours:** 3 hrs

### **HLAD 526 - Effective Long-Term Care Administration**

This course will include a history of the demographic, economic, political and social factors that have led to a wide variety of long-term care institutions; the many venues of long-term care and how each is organized, marketed, regulated, financed and managed; contemporary issues; end-of-life issues; and the process and expectations of state and national licensing of nursing home administrations.

**Credit Hours:** 3 hrs

**Prerequisites:** HLAD 510

**Class Restrictions:** Senior or Graduate standing

**Last Updated:** Links 05/2011

### **HLAD 550 - Internship**

This course is designed as an elective course for students who have completed the four didactic course for the HLAD certificate and no significant practical experience in the content area of the certificate. Depending upon the background of the student between 240 and 300 contact hours will be required.

**Credit Hours:** 2 hrs

**Prerequisites:** HLAD 520/HLAD 524 and two content-specific elective courses. Students will be permitted to enroll in prereq courses concurrently.

**Last Updated:** Links 05/2011

## **HLAD 576 - Informatics in Healthcare Management**

This course introduces students to key management issues related to healthcare informatics, focusing on management strategies, evaluation methods, and strategic planning for systems and security management. The course provides advanced conceptual models, applications, methods, and management strategies related to information systems in health services organizations.

**Credit Hours:** 3 hrs

**Prerequisites:** Graduate student standing

## **HLAD 590 - Special Topics**

Topics of state, local and national importance in health services management, administration and policy. Offered only in response to special circumstances in the field of health services and faculty availability. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **HLAD 591 - Special Topics**

Topics of state, local and national importance in health services management, administration and policy. Offered only in response to special circumstances in the field of health services and faculty availability. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **HLAD 592 - Special Topics**

Topics of state, local and national importance in health services management, administration and policy. Offered only in response to special circumstances in the field of health services and faculty availability. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **HLAD 597 - Independent Study**

Supervised independent study, investigation, analysis or writing in collaboration with health administration faculty.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **HLAD 598 - Independent Study**

Supervised independent study, investigation, analysis or writing in collaboration with health administration faculty.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **HLAD 599 - Independent Study**

Supervised independent study, investigation, analysis or writing in collaboration with health administration faculty.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **HLAD 600 - Health Care Research Methods**

Health services managers and researchers routinely encounter questions that can only be answered through the systematic collection and analysis of data. This course provides a basic introduction to the research methodologies and techniques commonly used in the health care field. Students will learn the fundamental concepts and approaches used in epidemiology, evaluation research and survey research.

**Credit Hours:** 3 hrs

**Prerequisites:** undergraduate or graduate level descriptive statistics course (2-3 hrs)

### **HLAD 610 - Leadership in Health Care Administration**

Effective leaders play an indispensable role in health care today. Health care organizations that actively focus on skill building in leadership development programs can dramatically increase productivity and employee commitment. This course will strengthen individual and group problem-solving/decision-making skills, clarify roles and responsibility, define individual and group self-assessment skills, and gain crisis management and leadership skills.

**Credit Hours:** 3 hrs

**Prerequisites:** HLAD 520

**Last Updated:** Links 05/2011

### **HLAD 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **HLAD 679 - Special Topics**

Topics of state, local and national importance in health services management, administration and policy.

**Credit Hours:** 1 hr

**Terms Offered:** Offered only in response to special circumstances in the field of health services and faculty availability. Not more than six hours of special topics may be used on a degree program.

### **HLAD 680 - Special Topics**

Topics of state, local and national importance in health services management, administration and policy.

**Credit Hours:** 2 hrs

**Terms Offered:** Offered only in response to special circumstances in the field of health services and faculty availability. Not more than six hours of special topics may be used on a degree program.

### **HLAD 681 - Special Topics**

Topics of state, local and national importance in health services management, administration and policy.

**Credit Hours:** 3 hrs

**Terms Offered:** Offered only in response to special circumstances in the field of health services and faculty availability. Not more than six hours of special topics may be used on a degree program.

### **HLAD 690 - Integrative Analysis Project I**

Application of the research process through development of an integrative analysis project proposal for the culminating experience of the student's graduate program of study. Focus will be on project design and data collection.

**Credit Hours:** 2 hrs

**Prerequisites:** HLAD 600; completion of 21 credit hours toward MHA; department permission required

**Major Restrictions:** students in the MHA program only

**Last Updated:** Links 05/2011

### **HLAD 691 - Integrative Analysis Project II**

Application of the research process through development of an integrative analysis project proposal for the culminating experience of the student's graduate program of study. Focus will be on project design and data collection.

**Credit Hours:** 3 hrs

**Prerequisites:** HLAD 690; department permission required

**Major Restrictions:** students in the MHA program only

**Last Updated:** Links 05/2011

### **HLAD 692 - Integrative Analysis Project III**

Application of the research process through development of an integrative analysis project proposal for the culminating experience of the student's graduate program of study. Presentation of Integrative Analysis research with emphasis on oral and written methods and skill development. Focus is on disseminating findings and preparation of a presentation and manuscript.

**Credit Hours:** 1 hr

**Prerequisites:** HLAD 691; department permission required

**Major Restrictions:** students in the MHA program only

**Last Updated:** Links 05/2011

### **HLAD 695 - Advanced Topical Seminar in Health Administration (NEW COURSE)**

This seminar is an elective option for students in the final semester of MHA curriculum to explore a major issue in health care delivery and public health. The class will organize the pursuit of specific questions that culminates with a comprehensive summary paper with individual contributions by each member of the class. This class is an alternative to an individual capstone research paper for MHA completion.

**Credit Hours:** 3 hrs

**Prerequisites:** HLAD 510, HLAD 511, HLAD 520, HLAD 524, HLAD 600, HLAD 610, department permission, and one of the following: HLAD 512, HLAD 525, PLSC 635, or PLSC 660

**Class Restrictions:** All Graduate Students

**Major Restrictions:** MHA degree candidates

**Repeatable:** No

**Last Updated:** New Course 05/2012, effective Winter 2013

## **HLAD 697 - Independent Study**

Scholarship, original research and collaborative research, with health administration program graduate faculty.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **HLAD 698 - Independent Study**

Scholarship, original research and collaborative research, with health administration program graduate faculty.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **HLAD 699 - Independent Study**

Scholarship, original research and collaborative research, with health administration program graduate faculty.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **Human Nutrition**

### **DTC 500 - Research Design and Methods**

Study of designs and methods utilized in understanding and conducting research.

**Credit Hours:** 3 hrs

**Last Updated:** Credit Hour Change 03/2012, effective Fall 2012

### **DTC 504 - Sports Nutrition (NEW COURSE)**

Study of the digestion, absorption, metabolism and functions of nutrients directly related to physical performance. Emphasis is placed on the critical review, interpretation, and application of contemporary physiology and nutrition research.

**Credit Hours:** 3

**Prerequisites:** DTC 202 (or equivalent), DTC 302 (or equivalent), SPMD 269 or (SPMD 201 and 202) or BIO 326 or (BIO 251 and BIO 252) or other equivalent physiology course

**Class Restrictions:** Second Bacc and all graduate students

**Major Restrictions:** Department Permission

**Repeatable:** NO

**Last Updated:** New Course 05/2012, effective Winter 2013

### **DTC 509 - Nutrition Support**

Advanced study in the science and practice of nutrition support; application of selection of candidates, delivery methods, equipment and formulas for enteral and parenteral nutrition; how to initiate, manage and assess outcomes of care; analysis of considerations that must be given in specific disease states.

**Credit Hours:** 3 hrs

### **DTC 518 - Interdisciplinary Team Functions**

Exploration of the purpose, structure and functions of interdisciplinary health care teams. Application of decision-making process; integration of professional values and ethics.

**Credit Hours:** 3 hrs

### **DTC 531 - Nutrition Therapy I Experience**

Supervised practice experience in the clinical nutrition professional environment.

**Credit Hours:** 2 hrs

### **DTC 538 - Outcomes Management**

Students will explore how to construct a question to select the right data to measure thereby informing their practice. Students will understand outcomes management as a process that both informs and is informed by evidence-based practice.

**Credit Hours:** 3 hrs

### **DTC 551 - Food Systems Management I Experience**

Application of basic components of an operating quantity food service. Supervised practice experience.

**Credit Hours:** 4 hrs

**Prerequisites:** DTC 251

**Corequisites:** DTC 350

**Last Updated:** Links 06/2011

### **DTC 571 - Nutrition Therapy II Experience**

Supervised clinical and ambulatory site-based practice experiences in the clinical nutrition professional environment.

**Credit Hours:** 4 hrs

**Prerequisites:** DTC 531 and department permission

**Corequisites:** DTC 370

**Last Updated:** Links 06/2011

### **DTC 587 - Cooperative Education in Dietetics**



Provides practical experience in the student's concentration for four to six months of full-time employment with an individual employer. May not be used on 30-hour program plan for the master's degree.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **DTC 590 - Special Topics**

An experimental course designed to investigate specific topics of concern in the specialization areas of study. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **DTC 591 - Special Topics**

An experimental course designed to investigate specific topics of concern in the specialization areas of study. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **DTC 592 - Special Topics**

An experimental course designed to investigate specific topics of concern in the specialization areas of study. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **DTC 597 - Independent Study**

An intensive study of a selected professional problem, under the direction of a faculty adviser.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **DTC 598 - Independent Study**

An intensive study of a selected professional problem, under the direction of a faculty adviser.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **DTC 599 - Independent Study**

An intensive study of a selected professional problem, under the direction of a faculty adviser.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **DTC 601 - Research Writing**

This class is focused on biomedical research writing. Students complete a series of assignments in research writing; complete a newsletter article; and a short manuscript that is disseminated to faculty and staff in the School of health Sciences.

**Credit Hours:** 3

**Last Updated:** 02/2011; effective Spring 2011

## **DTC 607 - Colloquium**

Academic seminars centered around the field of nutrition and involving lecturers from within and outside the program. Examine the current schedule book for specific offerings.

**Credit Hours:** 2 hrs

## **DTC 608 - Advanced Topics in Foods**

Analysis of selected advanced topics in food science with application to current issues of practice.

**Credit Hours:** 3 hrs

**Prerequisites:** DTC 251 or equivalent

**Last Updated:** Links 06/2011

## **DTC 618 - Advanced Topics in Nutrition**

Analysis of selected advanced topics in human nutrition with application to current issues of practice.

**Credit Hours:** 3 hrs

**Prerequisites:** DTC 302

**Last Updated:** Links 06/2011

## **DTC 628 - Medical Nutrition Therapy**

Students will explore the role of nutrition therapy to treat a variety of disease states. Time will be spent on advanced application and on motivational interviewing to enhance patient compliance.

**Credit Hours:** 3 hrs

## **DTC 631 - Nutrition Therapy III Experience**

Supervised practice experience in a variety of community settings with emphasis on nutrition education techniques and the operation of federal, state and local nutrition programs.

**Credit Hours:** 4 hrs

## **DTC 638 - Cultural Nutrition and Nutritional Ecology**

Critical investigation of beliefs, cultural values and consequent behaviors with an emphasis on how they impact nutritional status. Examination of issues in the political, physical and social environments that impact the availability of food and nutrients in the United States' food supply.

**Credit Hours:** 3 hrs

### **DTC 639 - Continuous Enrollment**

Graduate students who are completing research (Master's or Specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Course is offered on a credit/no-credit basis

### **DTC 648 - Methods and Strategies for Community-Based Nutrition Services**

Analysis of advanced topics in community nutrition including identification of community problems, needs and resources; planning, implementation and evaluation of programs and communication skills in nutrition education. Department permission is required for non-Human Nutrition majors.

**Credit Hours:** 3 hrs

**Prerequisites:** DTC 430 or equivalent

**Last Updated:** Links 06/2011

### **DTC 651 - Food Systems Management II Experience**

Administrative functions of food service departments such as assessing, planning, decision-making, evaluating and training. Communication, stress control and behavior management. Supervised practice experience.

**Credit Hours:** 4 hrs

**Prerequisites:** department permission

### **DTC 658 - Nutrition and Aging**

Application of the life course principles to the understanding of nutrition needs and factors affecting the health and well-being of the aging and aged. Department permission is required for students not in the Human Nutrition or Gerontology programs.

**Credit Hours:** 3 hrs

### **DTC 659 - Development of the Entrepreneurial Dietitian**

Advanced analysis of the process used by successful dietitians in the pursuit of an entrepreneurial career path. Focus will be on tools, techniques and resources necessary for both the experienced and entry-level practitioner. Department permission is required for students not in the Human Nutrition program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **DTC 668 - Proteins, Lipids and Carbohydrates**

Investigation of the macronutrients and their properties, functions and appropriate contribution to energy and growth requirements in healthy and diseased people.

**Credit Hours:** 3 hrs

### **DTC 669 - Vitamins and Minerals**

Emphasis on interrelationships of minerals and vitamins in human metabolism.

**Credit Hours:** 3 hrs

**Prerequisites:** DTC 302

**Last Updated:** Links 06/2011

### **DTC 671 - Nutrition Therapy IV Experience**

Supervised practice experience in the medical nutrition therapy professional environment. Focus is on complicated disease states and the management of enteral and parental nutrition regimens.

**Credit Hours:** 4 hrs

**Prerequisites:** department permission

### **DTC 679 - Special Topics**

An experimental course designed to investigate specific topics of concern in the specialization area of study. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **DTC 680 - Special Topics**

An experimental course designed to investigate specific topics of concern in the specialization area of study. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **DTC 681 - Special Topics**

An experimental course designed to investigate specific topics of concern in the specialization area of study. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **DTC 683 - Workshop**

Examine the current schedule book for specific workshop topics.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **DTC 686 - Practicum**

Supervised work experience in field placement/internship site determined by student and adviser.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **DTC 687 - Practicum**

Supervised work experience in field placement/internship site determined by student and adviser.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **DTC 688 - Practicum**

Supervised work experience in field placement/internship site determined by student and adviser.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **DTC 689 - Practicum**

Supervised work experience in field placement/internship site determined by student and adviser.

**Credit Hours:** 4 hrs

**Prerequisites:** department permission

### **DTC 691 - Thesis I**

Application of the research process through development of a thesis project proposal for the culminating experience of the students graduate program of study. Focus will be on writing chapters 1-3 of the thesis.

**Credit Hours:** 2 hr

**Prerequisites:** DTC 500 and MATH 592

**Last Updated:** Links 05/2011

### **DTC 692 - Thesis II**

Execution of a research project and preparation of thesis as the culminating experience for the student's graduate program of study. Focus will be on revising chapters 1-3 and writing chapters 4-5 of the thesis.

**Credit Hours:** 3 hrs

**Prerequisites:** DTC 691 and department permission

**Last Updated:** Links 05/2011

### **DTC 693 - Thesis III**

Presentation of thesis research with emphasis on oral and written methods and skill development. Focus is on thesis defense and preparation of a poster presentation and manuscript.

**Credit Hours:** 1 hrs  
**Prerequisites:** DTC 692 and department permission  
**Last Updated:** Links 05/2011

### **DTC 694 - Research I**

Application of the research process through development of a research project proposal for the culminating experience of the student's graduate program of study. Focus will be on writing chapters 1-3 of the research project report.

**Credit Hours:** 2 hrs  
**Prerequisites:** DTC 500 and MATH 592  
**Last Updated:** Links 05/2011

### **DTC 695 - Research II**

Execution of a research project and preparation of a written report as the culminating experience for the student's graduate program of study. Focus will be on revising chapters 1-3 and writing chapters 4-5 of the research project report.

**Credit Hours:** 3 hrs  
**Prerequisites:** DTC 601  
**Last Updated:** Links 05/2011

### **DTC 696 - Research III**

Presentation of culminating experience with emphasis on oral and written methods and skill development. Focus is on research project oral presentation and preparation of a poster presentation and a manuscript.

**Credit Hours:** 1 hr  
**Prerequisites:** DTC 695  
**Last Updated:** Links 05/2011

### **DTC 697 - Independent Study**

An intensive study of a selected professional problem, under the direction of a faculty adviser.

**Credit Hours:** 1 hr  
**Prerequisites:** department permission

### **DTC 698 - Independent Study**

An intensive study of a selected professional problem, under the direction of a faculty adviser.

**Credit Hours:** 2 hrs  
**Prerequisites:** department permission

### **DTC 699 - Independent Study**

An intensive study of a selected professional problem, under the direction of a faculty adviser.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **Occupational Therapy**

### **OCTH 412 - Models of Practice**

This course will introduce the student to the theories and models of practice that are the foundations of practice in occupational therapy. Models from other fields that inform the occupational therapist's understanding of occupational performance will also be discussed. Students will analyze models and apply knowledge to selected cases.

**Credit Hours:** 3 hrs

**Prerequisites:** EDPS 325 or IHHS 260

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

### **OCTH 419 - Programming I**

Students will have opportunities to learn methods of evaluating occupational performance issues present in selected conditions that affect the child from birth to adolescence. The effect of environmental, cultural, and social factors on occupational performance is emphasized. Students use critical thinking skills to develop intervention plans using theoretically sound techniques.

**Credit Hours:** 6 hrs

**Prerequisites:** OCTH 412, OCTH 495, OCTH 500, OCTH 502

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

### **OCTH 420 - Level I Fieldwork I**

Exploring the role of an occupational therapist in a clinical setting.

**Credit Hours:** 3 hrs

**Last Updated:** Active 08/2012; Inactive 06/2012

### **OCTH 495 - Neurological Foundations of Human Occupation**

Students will pursue knowledge in the neurosciences related to function and dysfunction of the central nervous system. Emphasis is placed on integrated brain function impacting daily living and occupational performance. Related clinical conditions will be correlated with research investigations that support appropriate and current interventions in occupational therapy.

**Credit Hours:** 3 hrs

**Prerequisites:** BIO 330; EDPS 325 or IHHS 260

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

### **OCTH 500 - Philosophy of Occupational Therapy**

Through readings, classroom discussions and group experiences, the students will collectively develop an understanding of the philosophy of occupational therapy. This course includes analysis of experiences and examination of the documents of the

profession to develop a view of occupational therapy practice today.

**Credit Hours:** 3 hrs

**Prerequisites:** admission to program

**Last Updated:** Links 09/2012

## **OCTH 502 - Theory and Analysis of Occupation**

Students will use laboratory, discussions, lecture, readings, observations and interviews as methods of learning about the science of occupation. This course places emphasis on the individual's experience of occupation, and the exploration of its personal, social and cultural meanings.

**Credit Hours:** 3 hrs

## **OCTH 516 - Level I Community Fieldwork II**

Students will complete a part-time fieldwork experience in a community agency. Fieldwork experiences will be accompanied by a seminar.

**Credit Hours:** 3 hrs

**Prerequisites:** OCTH 502 and BIO 330

**Last Updated:** Links 05/2011

## **OCTH 517 - Level I Community Fieldwork III**

Students will complete a part-time fieldwork experience in a community agency or in an occupational therapy setting. Students will also participate in a directed seminar.

**Credit Hours:** 3 hrs

**Prerequisites:** OCTH 516, OCTH 640 and BIO 330

**Corequisites:** OCTH 619

**Last Updated:** Links 05/2011

## **OCTH 519 - Programming II**

Students will have opportunities to learn methods of evaluating occupational performance issues present in selected conditions that affect individuals from adolescence to middle adulthood. The effect of environmental, cultural and social factors on occupational performance is emphasized. Students use critical thinking skills to develop intervention plans using theoretically sound techniques.

**Credit Hours:** 6 hrs

**Prerequisites:** OCTH 419 and OCTH 420

**Corequisites:** OCTH 516

**Class Restrictions:** Senior and Master's students only

**Last Updated:** Links 05/2011

## **OCTH 520 - Advanced Theory of Practice**

This course investigates occupation-centered, ecological models that focus on the transaction of the person, the environment, and the individual's occupational performance. A systematic analysis of each model is conducted and theoretical concepts are applied to the student's area of practice.



**Credit Hours:** 3 hrs

**Prerequisites:** admission to the M.S. program

## **OCTH 522 - Foundations of Movement and Human Occupation**

This course supports students to develop foundational knowledge of occupational performance and human movement necessary for subsequent assessment and intervention courses. Using everyday occupations, students will learn how occupational performance is affected by underlying body structures and functions and how to assess and intervene.

**Credit Hours:** 3 hrs

**Prerequisites:** BIO 251 and BIO 252

**Concurrent Prerequisites:** OCTH 495, OCTH 500, and OCTH 412

**Class Restrictions:** Senior standing and graduate students only

**Major Restrictions:** Occupational Therapy students only

**Last Updated:** Links 05/2011

## **OCTH 530 - Advanced Skills for Occupational Therapy Practice**

This course affords post-professional occupational therapists an opportunity to update their knowledge of relevant professional documents, examine their own practice by developing the skill of self-reflection, extend their clinical reasoning competence and apply the concept of evidence-based practice to their own practice of occupational therapy.

**Credit Hours:** 3 hrs

**Prerequisites:** admission to the M.S. program

## **OCTH 540 - Research Methods I**

This course introduces students to research methods used in occupational therapy. Students develop beginning skills in formulation of research questions, proposal development, approaches to design and implementation, and dissemination of results. Students choose research advisers and begin to participate in research with their adviser.

**Credit Hours:** 3 hrs

**Prerequisites:** MATH 360, MATH 370, MATH 571, MATH 574, SOCL 250, EDPS 621 or EDPS 651

**Class Restrictions:** Junior standing or above

**Last Updated:** Links 05/2011

## **OCTH 550 - Occupational Science and Occupational Therapy: A Partnership for Client Agency**

This course provides an introduction to the discipline of occupational science and its contribution to the practice of occupational therapy. The development of the discipline is explored to the present time. An analysis and evaluation of theoretical and practice applications derived from the writings of occupational scientists is conducted.

**Credit Hours:** 3 hrs

**Prerequisites:** Admission to the MSOT program- Advanced Masters Program

## **OCTH 588 - Fieldwork Level II: Clinical Skills**

Students will be assigned to a 12-week fieldwork experience designed to develop and refine clinical skills. This may be completed on a part-time or a full-time basis.

**Credit Hours:** 6 hrs

**Prerequisites:** completion of all academic work and faculty approval

### **OCTH 589 - Fieldwork Level II: Clinical Skills**

Students will be assigned to a 12-week fieldwork experience designed to develop and refine clinical skills. This may be completed on a part-time or a full-time basis

**Credit Hours:** 6 hrs

**Prerequisites:** completion of all academic work and faculty approval

### **OCTH 590 - Special Topics**

The content of these courses will vary from semester to semester. Topics in occupational therapy that are not offered in regular course offerings will be covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

### **OCTH 591 - Special Topics**

The content of these courses will vary from semester to semester. Topics in occupational therapy that are not offered in regular course offerings will be covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

### **OCTH 592 - Special Topics**

The content of these courses will vary from semester to semester. Topics in occupational therapy that are not offered in regular course offerings will be covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

### **OCTH 593 - Special Topics**

The content of these courses will vary from semester to semester. Topics in occupational therapy that are not offered in regular course offerings will be covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 4 hrs

### **OCTH 597 - Independent Study**

An intensive study of a problem or a group of problems, under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** permission of graduate coordinator

### **OCTH 598 - Independent Study**

An intensive study of a problem or a group of problems, under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** permission of graduate coordinator

### **OCTH 599 - Independent Study**

An intensive study of a problem or a group of problems, under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** permission of graduate coordinator

### **OCTH 600 - Supervision and Professional Roles**

This course covers the management of occupational therapy services in multiple environments. Students will learn grant-writing skills and complete a capstone project developing an OT program for use in a nontraditional setting.

**Credit Hours:** 3 hrs

**Prerequisites:** OCTH 517 and OCTH 619

**Last Updated:** Links 05/2011

### **OCTH 619 - Programming III**

Students will have the opportunity to learn methods of evaluating occupational performance issues that affect individuals from middle to older adulthood. The effect of environmental, cultural and social factors on occupational performance is emphasized. Students use critical thinking skills to develop intervention plans using theoretically sound techniques.

**Credit Hours:** 6 hrs

**Prerequisites:** OCTH 516 and OCTH 519

**Corequisites:** OCTH 517

**Class Restrictions:** Master's students only

**Last Updated:** Links 05/2011

### **OCTH 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **OCTH 640 - Methods of Occupational Therapy Research**

In this course, students will examine the current status of research in occupational therapy, identify the research design concerns that are inherent in the profession and develop a thesis proposal.

**Credit Hours:** 2 hrs

**Prerequisites:** OCTH 520, OCTH 530 and the required series of research and statistics courses

**Last Updated:** Links 05/2011

## **OCTH 679 - Special Topics**

The content of these courses will vary from semester to semester. Topics in occupational therapy that are not offered in regular course offerings will be covered.

**Credit Hours:** 1 hr

## **OCTH 680 - Special Topics**

The content of these courses will vary from semester to semester. Topics in occupational therapy that are not offered in regular course offerings will be covered.

**Credit Hours:** 2 hrs

## **OCTH 681 - Special Topics**

The content of these courses will vary from semester to semester. Topics in occupational therapy that are not offered in regular course offerings will be covered.

**Credit Hours:** 3 hrs

## **OCTH 682 - Neurobehavioral Foundations of Occupational Performance**

This course will examine the neuroscience literature as it relates to human development and occupational performance. Selected topics may include the myths and realities of neural function, neuroplasticity, CNS embryology, perception, cognition, emotion, male/female differences in brain organization and behavior regulation.

**Credit Hours:** 3 hrs

**Prerequisites:** Admission to MSOT program

## **OCTH 683 - Social Policy and Legislation Impacting Occupational Therapy Practice**

This course investigates health, education and human services provisions mandated by federal, state, and local legislation as they affect the well-being of consumers using occupational therapy services. An ecological perspective is used as the context for thinking about policy and legislation with the intent of broadening the student's ability to advocate and provide services.

**Credit Hours:** 3 hrs

**Prerequisites:** Admission to MSOT program

## **OCTH 684 - Advanced Assessment and Intervention Models for Occupational Therapists**

In this course, students will increase their knowledge and expertise in best practices for evaluation and treatment in occupational therapy. Content will include critical review of assessment procedures, models of service delivery and consideration of systems and settings in which Occupational Therapy practice occurs.

**Credit Hours:** 3 hrs

**Prerequisites:** Admission to MSOT program

## **OCTH 686 - Culminating Project I**

Under the direction of their research adviser, students will carry out a research project and develop beginning proficiency in proposal development and research skills. The completion of the project will occur in OCTH 687 .

**Credit Hours:** 3 hrs

**Prerequisites:** OCTH 540

**Last Updated:** Links 05/2011

## **OCTH 687 - Culminating Project II**

Under the direction of their research adviser, students will complete research projects begun in OCTH 686 and disseminate their findings. This is the culminating project in the research sequence of the master's of occupational therapy (MOT) degree.

**Credit Hours:** 3 hrs

**Prerequisites:** OCTH 686

**Last Updated:** Links 05/2011

## **OCTH 690 - Thesis**

Individual research conducted under the guidance of, and in consultation with, a thesis committee and the graduate coordinator.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **OCTH 691 - Thesis**

Individual research conducted under the guidance of, and in consultation with, a thesis committee and the graduate coordinator.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **OCTH 692 - Thesis**

Individual research conducted under the guidance of, and in consultation with, a thesis committee and the graduate coordinator.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **OCTH 693 - Seminar in Occupational Therapy**

The focus of these courses will vary from semester to semester. These courses are designed to allow intensive analysis of specialized occupational therapy content.

**Credit Hours:** 1 hr

## **OCTH 694 - Seminar in Occupational Therapy**

The focus of these courses will vary from semester to semester. These courses are designed to allow intensive analysis of specialized occupational therapy content.

**Credit Hours:** 2 hrs

## **OCTH 695 - Seminar in Occupational Therapy**

The focus of these courses will vary from semester to semester. These courses are designed to allow intensive analysis of specialized occupational therapy content.

**Credit Hours:** 3 hrs

## **OCTH 696 - Seminar in Occupational Therapy**

The focus of these courses will vary from semester to semester. These courses are designed to allow intensive analysis of specialized occupational therapy content.

**Credit Hours:** 4 hrs

## **OCTH 697 - Independent Study**

An intensive study of a problem or a group of problems, under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** permission of graduate coordinator

## **OCTH 698 - Independent Study**

An intensive study of a problem or a group of problems, under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** permission of graduate coordinator

## **OCTH 699 - Independent Study**

An intensive study of a problem or a group of problems, under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** permission of graduate coordinator

## **Therapeutic Recreation**

### **THRC 481 - Adapted Aquatics**

Aquatic instructional techniques in working with special populations including physically disabled, developmentally disabled, emotionally impaired and the aged. Lectures, films, swimming skills, adaptations of swimming skills and 20 hours of fieldwork.

**Credit Hours:** 2 hrs

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

### **THRC 510 - Leisure and Aging**

An elective course for Recreation majors, Gerontology minors, and the Graduate Gerontology Certificate program. Course will provide an overview of physical, psychological, and affective characteristics of older adults; implications of leisure and retirement; and recreation services provided in institutional and community settings.

**Credit Hours:** 3 hrs

# School of Nursing Programs and Courses

## School of Nursing

### Graduate Certificate

## Graduate Certificate in Quality Improvement in Health Care (QIHC)

Adviser: Virginia M. Lan, Ph.D., R.N.  
341 Marshall Building  
734.487.0919  
vlan@emich.edu

### Core Courses: 9 hours

- HLAD 525 - Quality Improvement in Health Care 3 hrs
- NURS 605 - Health Status Trends and Health Care Delivery Systems 3 hrs
- NURS 686 - Practicum in QI in Health Care Systems 3 hrs

### Elective Courses: 3 hours

*Choose one option from the following:*

#### Option I

- MGMT 638 - Building Continuous Improvement Teams 3 hrs

#### Option II

- QUAL 546 - Total Quality Management 3 hrs

#### Option III

- QUAL 568 - Lean Service Quality 3 hrs

### Certificate Total: 12 hours

## Graduate Certificate in Teaching in Health Care Systems (HCS)

Adviser: Virginia M. Lan, Ph.D., R.N.  
341 Marshall Building



734.487.0919  
vlan@emich.edu

This program prepares students as educators in health care systems. The focus is on education of client/family groups, staff development, extended programs and educational outreach, and teaching in health care and nursing education. The program focuses on the educator role and the theory and practice of teaching and learning. Course work examines theories, strategies and research related to the teaching/learning process in health care systems, curriculum patterns for various learners, legal/ethical considerations in teaching and the trends in both education and health care that affect educational planning and evaluation. In the practicum, the student is given an opportunity to synthesize previous learning and function in an educator role under the mentorship of select expert preceptors.

## Certificate Requirements

The certificate requires 12 hours of course work to be distributed as follows:

- NURS 605 - Health Status Trends and Health Care Delivery Systems 3 hrs
- NURS 620 - Teaching in Health Care Systems: Instructional Strategies and Skills 3 hrs
- NURS 622 - Teaching in Health Care Systems: Curriculum/Program Development and Evaluation 3 hrs
- NURS 624 - Practicum in Teaching in Health Care Systems 3 hrs

**Certificate Total: 12 hours**

## Master's

### Master of Science in Nursing (NUR)

Adviser: Virginia M. Lan, Ph.D., R.N.  
341 Marshall Building  
734.487.0919  
vlan@emich.edu

The M.S.N. program focuses on the preparation of nurses to meet the needs of the community for health care providers/nurses with advanced practice knowledge and skills. Graduates are prepared for clinical practice in adult health nursing and for roles as clinical managers and educators in health care settings such as hospitals, community agencies, clinics, home health care agencies and community colleges.

#### Admission Requirements

To be admitted to the School of Nursing, students must first meet requirements set by the Graduate School as described in the Eastern Michigan University Graduate Catalog.

Specific admission requirements for the M.S.N. Programs in the School of Nursing are:

1. Complete an application for admission to EMU at [www.emich.edu/admissions](http://www.emich.edu/admissions)
2. Select a program code: NUR/MSN-HH for the M.S.N. program.
3. Possess a B.S.N. degree or hold an R.N. license with a bachelor's in another discipline may apply for a conditional admission.
4. Have at least a 3.0 (on a 4.0 scale) college GPA. (Applicants may seek conditional admission with a GPA of 2.75).

5. International students must have a minimum score of 550 (paper) or 79 (internet) on the TOEFL or 77 on the Michigan English Language Ability Battery (MELAB) or 6.5 on IETLTS, or 53 on Pearson Test of English. (These scores are the same requirements as the EMU Graduate School.)
6. Have a current license to practice as a professional registered nurse in Michigan or eligibility to obtain a Michigan license.
7. Submit two (2) professional references that document competence in nursing practice and potential for success in a graduate program of study. (Complete the reference forms provided).
8. Submit a two to three page essay about professional goals, reasons for obtaining a M.S.N. degree (or certificate) and your future plans.
9. Submit a four to five page sample of your writing using peer-reviewed literature to support your ideas. Essays will be evaluated based on your ability to express yourself, degree of scholarly content, spelling, grammar, and use of the American Psychological style with a minimum of three references.
10. Have successfully completed an approved basic statistics course that includes descriptive and inferential statistics within the last 10 years.
11. Have successfully completed a basic health assessment course.
12. R.N.s with a Bachelor's in another discipline have to complete the Community Health Nursing (CHN) and Practicum courses (NURS 450/451) or successfully complete the ATI test for CHN.

Students submit all documents related to items 6, 7, 8 and 9 above, and all transcripts directly to the Graduate School Office of Admission.

### **Program Requirements**

The program consists of 40 to 49 credit hours, depending on the election of a clinical track and/or concentration:

- Twenty-four credit hours of core courses
- Nine credit hours of the advanced clinical preparation in adult health or 16 credit hours of Clinical Nurse Specialization (CNS) in adult health
- Nine to twelve credit hours related to a concentration from four options
- Two to four credit hours related to scholarly inquiry (elective course)

Nursing core courses consist of eight three-hour courses in advanced pathophysiology, advanced health assessment, advanced pharmacology, nursing theory for practice and research, health care trends and delivery systems, advanced practice role development, and evidence based nursing 1 and 2. The clinical major has two tracks. The advanced clinical preparation track consists of three three-hour courses in adult health nursing. Each clinical course includes a preceptored practicum by an advanced practice nurse with a minimum Master's preparation. Students electing the adult health C.N.S. track are eligible to take the American Nurse Credentialing Center (ANCC) certification exam to qualify as C.N.S.

Students may select one of four concentrations.

- "Teaching in health care systems" focuses on the knowledge, skills and abilities needed for working as education coordinators and/or faculty at a community college.
- "Quality improvement in health care systems" focuses on the knowledge, skills and abilities needed by nurses working in quality improvement, risk management, or other quality of care leadership positions.

- The “gerontology” concentration focuses on the knowledge, skills and abilities needed by nurses working in long-term care and other settings providing care to older adults.
- "Individualized study" focuses on a student's professional goal and negotiated program of study.

## Course Requirements

The M.S. program in Nursing requires the completion of 40 to 43 hours of course work to be distributed among required core courses, clinical major in adult health courses, function role courses, scholarly inquiry courses and cognate courses, as follows:

### Choose one program from the following:

Students choose one program below:

- M.S.N. in Adult Health and Concentration (41-42 hours)
- M.S.N. in Adult Health Clinical Nurse Specialist and Concentration (48-49 hours)
- M.S.N. in Adult Health Clinical Nurse Specialist (40 hours)

### M.S.N. in Adult Health with Concentration: 41-42 hours

#### Core courses: 24 hours

- NURS 500 - Advanced Pathophysiology 3 hrs
- NURS 502 - Advanced Health Assessment 3 hrs
- NURS 506 - Nursing Theory for Practice and Research 3 hrs
- NURS 510 - Advanced Pharmacology 3 hrs
- NURS 605 - Health Status Trends and Health Care Delivery Systems 3 hrs
- NURS 606 - Advanced Practice Nursing Role Development 3 hrs
- NURS 640 - Evidence Based Nursing Practice I 3 hrs
- NURS 642 - Evidence Based Nursing Practice II 3 hrs

#### Advanced Adult Health Track: 9 hours

- NURS 650 - Advanced Adult Health Nursing I 3 hrs
- NURS 660 - Advanced Adult Health Nursing II 3 hrs
- NURS 665 - Practicum in Adult Health Nursing 3 hrs

#### Concentration Options: 8-9 hours

*One option from the following:*

##### Option I: Teaching

- NURS 620 - Teaching in Health Care Systems: Instructional Strategies and Skills 3 hrs
- NURS 622 - Teaching in Health Care Systems: Curriculum/Program Development and Evaluation 3 hrs

- NURS 624 - Practicum in Teaching in Health Care Systems 3 hrs

### Option II: Quality Improvement

- HLAD 525 - Quality Improvement in Health Care 3 hrs
- NURS 686 - Practicum in QI in Health Care Systems 3 hrs

One course from the following:

- MGMT 638 - Building Continuous Improvement Teams 3 hrs
- QUAL 552 - Quality Planning 3 hrs
- QUAL 557 - Measuring Customer Satisfaction 3 hrs

### Option III: Gerontology

- BIO 511 - Animal Physiological Ecology 3 hrs
- GERT 512 - Applied Psychosocial Aspects of Aging 3 hrs

One course from the following:

- NURS 665 - Practicum in Adult Health Nursing 3 hrs
- SWRK 553 - Ethnicity and Gender Issues Among the Aged 2 hrs

### Option IV: Individualized Study

Courses to be determined by student and adviser to meet individual needs.

## M.S.N. in Adult Health Clinical Nurse Specialist with Concentration: 48-49 hours

### Core courses: 24 hours

- NURS 500 - Advanced Pathophysiology 3 hrs
- NURS 502 - Advanced Health Assessment 3 hrs
- NURS 506 - Nursing Theory for Practice and Research 3 hrs
- NURS 510 - Advanced Pharmacology 3 hrs
- NURS 605 - Health Status Trends and Health Care Delivery Systems 3 hrs
- NURS 606 - Advanced Practice Nursing Role Development 3 hrs
- NURS 640 - Evidence Based Nursing Practice I 3 hrs
- NURS 642 - Evidence Based Nursing Practice II 3 hrs

### Advanced Adult Health CNS Track: 16 hours

- NURS 652 - Advanced Adult Health Nursing for CNS I 5 hrs
- NURS 662 - Advanced Adult Health Nursing-CNS II 5 hrs
- NURS 667 - Practicum in Advanced Adult Health Nursing for CNS Track 6 hrs

## Concentration Options: 8-9 hours

*Select one of the following options:*

### Option I: Teaching

- NURS 620 - Teaching in Health Care Systems: Instructional Strategies and Skills 3 hrs
- NURS 622 - Teaching in Health Care Systems: Curriculum/Program Development and Evaluation 3 hrs
- NURS 624 - Practicum in Teaching in Health Care Systems 3 hrs

### Option II: Quality Improvement

- HLAD 525 - Quality Improvement in Health Care 3 hrs
- NURS 686 - Practicum in QI in Health Care Systems 3 hrs

One course from the following:

- MGMT 638 - Building Continuous Improvement Teams 3 hrs
- QUAL 552 - Quality Planning 3 hrs
- QUAL 557 - Measuring Customer Satisfaction 3 hrs

### Option III: Gerontology

- BIO 511 - Animal Physiological Ecology 3 hrs
- GERT 512 - Applied Psychosocial Aspects of Aging 3 hrs

One course from the following:

- NURS 665 - Practicum in Adult Health Nursing 3 hrs
- SWRK 553 - Ethnicity and Gender Issues Among the Aged 2 hrs

### Option IV: Individualized Study

Courses to be determined by student and adviser to meet individual needs.

## M.S.N. in Adult Health Clinical Nurse Specialist: 40 hours

### Core Courses: 24 hours

- NURS 500 - Advanced Pathophysiology 3 hrs
- NURS 502 - Advanced Health Assessment 3 hrs
- NURS 506 - Nursing Theory for Practice and Research 3 hrs
- NURS 510 - Advanced Pharmacology 3 hrs
- NURS 605 - Health Status Trends and Health Care Delivery Systems 3 hrs
- NURS 606 - Advanced Practice Nursing Role Development 3 hrs
- NURS 640 - Evidence Based Nursing Practice I 3 hrs

- NURS 642 - Evidence Based Nursing Practice II 3 hrs

## Advanced Adult Health CNS Track: 16 hours

- NURS 652 - Advanced Adult Health Nursing for CNS I 5 hrs
- NURS 662 - Advanced Adult Health Nursing-CNS II 5 hrs
- NURS 667 - Practicum in Advanced Adult Health Nursing for CNS Track 6 hrs

## Thesis/Field Study Elective: 2-4 hours

*For those considering doctoral programs*

- NURS 688 - Field Study 2 hrs
- NURS 693 - Thesis 4 hrs

## Program Total: 40-53 hours

## Nursing

### **NURS 500 - Advanced Pathophysiology**

This course provides advanced knowledge of normal and pathophysiologic mechanisms of disease, providing the foundation for clinical assessment, decision-making and management in advanced practice nursing. The student will be able to relate this knowledge to interpreting changes in normal function indicative of illness and in assessing an individual's response to treatment.

**Credit Hours:** 3 hrs

### **NURS 502 - Advanced Health Assessment**

This course provides the advanced practice nurse with the theory and skill to perform a complete history and physical examination of the adult client and builds on skills the student has acquired in a basic health assessment and experience. The course focus is on refining and expanding advanced examination techniques and differential diagnosis of common health problems.

**Credit Hours:** 3 hrs

### **NURS 506 - Nursing Theory for Practice and Research**

This course focuses on interrelationships among theory, research and clinical practice within nursing's body of knowledge. Students will analyze and evaluate conceptual models and theories for application to practice and research.

**Credit Hours:** 3 hrs

### **NURS 510 - Advanced Pharmacology**

This course focuses on advanced concepts of pharmacology with an emphasis on pharmacotherapeutics and pharmacokinetics, and the role and responsibility of the advanced practice nurse for safe, legal, ethical and therapeutic drug therapy. Theories of drug actions and variables affecting drug actions are examined as well as psychological and cultural aspects of drug therapy.

**Credit Hours:** 3 hrs

**Prerequisites:** NURS 500

**Concurrent Prerequisites:** NURS 502

**Class Restrictions:** Undergraduate senior status or higher

**Major Restrictions:** Nursing Master and Bachelor students only

**Last Updated:** Links 05/2011

## **NURS 552 - Management of Health Care Delivery: Disasters & Bioterrorism**

This foundational course is an examination of issues in natural and man-made disasters and bio terror events that impact the delivery of health care at local, state and national levels and the strategies necessary for preparedness, mitigation, response and evaluation in community environments. The course is designed to meet the knowledge needs and care preformed by pre-professional and professional health care providers; the lay public is also invited to join the course.

**Credit Hours:** 3 hrs

**Cross-listed with:** IHHS 552

**Last Updated:** Links 05/2011

## **NURS 590 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **NURS 591 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **NURS 592 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **NURS 597 - Independent Study**

An intensive study of a selected professional problem, under the direction of a faculty adviser.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **NURS 598 - Independent Study**

An intensive study of a selected professional problem, under the direction of a faculty adviser.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **NURS 599 - Independent Study**

An intensive study of a selected professional problem, under the direction of a faculty adviser.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **NURS 605 - Health Status Trends and Health Care Delivery Systems**

Focuses on health care as a complex social system. National health status trends and their impacts at the local level will be explored. The course will include advanced evaluation of the economic, legal, ethical, political and technical dimensions of health care systems as environments for delivery of client services.

**Credit Hours:** 3 hrs

### **NURS 606 - Advanced Practice Nursing Role Development**

This course provides students with an in-depth understanding of the roles development of an Advanced Practice Nurse with specific emphasis on the role of the Clinical Nurse Specialist. Concepts include the historical, political, legal, social and ethical aspects of Advanced Practice Nursing. One of the primary aims of this course is to assist the student to begin the socialization process into the new role of MSN.

**Credit Hours:** 3 hrs

**Prerequisites:** Admission to the MSN Program in Adult Health

### **NURS 607 - Evolving Roles of Nurses in Health Care Delivery Systems**

This course focuses on professional development for advanced-practice roles. It includes advanced leadership and collaborative skills, strategic planning, financial management, total quality management, various models of nursing governance and competing power paradigms. Students use this knowledge in the development of strategies for clinical systems management. The course provides a forum to explore ways to facilitate client care within various organizational environments. Graduate students only for NURS607.

**Credit Hours:** 3 hrs

### **NURS 609 - Trends in Nursing Management**

This course focuses on management issues that influence the advanced-practice nurse in healthcare delivery systems. Students analyze systems theory, management roles and leadership concepts including delegation and supervision. They examine financial issues including budgeting and wages. Students examine combinations of leadership approaches and strategies to meet quality and cost outcomes.



**Credit Hours:** 3 hrs

### **NURS 620 - Teaching in Health Care Systems: Instructional Strategies and Skills**

This course focuses on theories, strategies and research related to the teaching/learning process in health care systems. Issues and trends influencing effective teaching and learning are addressed.

**Credit Hours:** 3 hrs

### **NURS 622 - Teaching in Health Care Systems: Curriculum/Program Development and Evaluation**

Focuses on curriculum theory, design, implementation, evaluation and research specific to health care systems. Students participate in small-group experiences assessing curriculum issues in health care settings, and applying curriculum theory and instructional design.

**Credit Hours:** 3 hrs

### **NURS 624 - Practicum in Teaching in Health Care Systems**

This clinical practicum focuses on teaching in health care systems under the mentorship of a selected faculty member or preceptor. The student will apply knowledge synthesized from teaching/learning theory. Three-hour practicum, 135 precepted contact hours.

**Credit Hours:** 3 hrs

**Prerequisites:** NURS 620 and NURS 622

**Last Updated:** Links 05/2011

### **NURS 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **NURS 640 - Evidence Based Nursing Practice I**

Focuses on the linkage between the research process and evidence-based nursing practice. Types of research design, method, analysis, and sources of knowledge useful to appraisal, synthesis and generation of evidence in nursing practice are explored. Students develop beginning proficiency in accessing, critically appraising, and using research and evidence-based guidelines in nursing practice. This is a companion course to NURS 642 .

**Credit Hours:** 3 hrs

**Prerequisites:** NURS 506

**Major Restrictions:** Students in the MSN program only

**Last Updated:** Links 05/2011

### **NURS 642 - Evidence Based Nursing Practice II**

Focuses on 1) assessment of need for evidence-based nursing interventions, procedures, or guidelines in a selected area of nursing practice in an organization; 2) development of a proposal to appraise and synthesize the evidence available on that area of need; and 3) development of a plan to translate the evidence into practice. The proposal will be implemented in NURS 667. (This is a sequel course to NURS 640).

**Credit Hours:** 3 hrs

**Prerequisites:** NURS 640

**Major Restrictions:** Students in the MSN program only

**Last Updated:** Links 05/2011

## **NURS 650 - Advanced Adult Health Nursing I**

Focuses on clinical decision making in advanced practice nursing as well as independent and interdependent evidence-based nursing interventions applicable to clients with acute or chronic health problems. Students use assessment data along with clinical decision-making skills to arrive at nursing diagnoses and collaboratively define goals based on this data. Course combines theoretical content with student-selected and instructor-approved preceptor guided clinical practice. Two-hour clinical (45 precepted clinical hours).

**Credit Hours:** 3 hrs

**Prerequisites:** NURS 500, NURS 502, NURS 506

**Concurrent Prerequisites:** NURS 606

**Major Restrictions:** Students in MSN Adult Health Program only

**Last Updated:** Links 05/2011

## **NURS 652 - Advanced Adult Health Nursing for CNS I**

This course focuses on clinical decision making in advanced practice nursing as well as independent and interdependent evidence-based nursing interventions applicable to clients with acute or chronic health problems. Students use assessment data along with clinical decision-making skills to arrive at nursing diagnoses and collaboratively define goals based on this data. Course combines theoretical content with student-selected and instructor-approved preceptor guided clinical practice. Two-hour seminar, three-hour clinical (120 clock hours precepted clinical).

**Credit Hours:** 5 hrs

**Prerequisites:** NURS 500, NURS 502, NURS 506 and NURS 510

**Concurrent Prerequisites:** NURS 606

**Major Restrictions:** Students in MSN Adult Health Program

**Last Updated:** Links 05/2011

## **NURS 660 - Advanced Adult Health Nursing II**

Focuses on selected knowledge derived from an eclectic approach in developing advanced evidence-based nursing interventions related to health promotion and risk reduction. Theories and research from nursing, public health, education and psychology are investigated and applied to the development of strategies and interventions that promote health and wellness and prevent disease. Two-hour seminar, one-hour clinical (45 precepted clinical hours).

**Credit Hours:** 3 hrs

**Prerequisites:** NURS 500, NURS 502 and NURS 506

**Corequisites:** NURS 510

**Major Restrictions:** Students in MSN Adult Health Program.

**Last Updated:** Links 05/2011

## **NURS 662 - Advanced Adult Health Nursing-CNS II**

This course focuses on selected knowledge derived from an eclectic approach in developing advanced evidence-based nursing interventions related to health promotion and risk reduction. Theories and research from nursing, public health, education and psychology are investigated and applied to the development of strategies and evidence-based interventions that promote health and wellness and prevent disease. Two hours seminar, 3 hours clinical (120 clock hours precepted clinical).

**Credit Hours:** 5 hrs

**Prerequisites:** NURS 652

**Major Restrictions:** Students in the MSN program in the Adult Health CNS Track

**Last Updated:** Links 05/2011

## **NURS 665 - Practicum in Adult Health Nursing**

Clinical practicum focuses on delivery of advanced evidence-based nursing care to adults. Students will focus on systems, such as case management — "managing" care for groups of clients with similar health concerns in given health settings. The course emphasizes the synthesis of knowledge related to client care. The student selects her/his own setting based on individual goals and objectives, and works under the mentorship of a selected clinical preceptor. Three-hour clinical, 135 precepted clinical hours.

**Credit Hours:** 3 hrs

**Prerequisites:** NURS 650, NURS 660, NURS 640 and NURS 642

**Major Restrictions:** Students in MSN Adult Health Program only

**Last Updated:** Links 05/2011

## **NURS 667 - Practicum in Advanced Adult Health Nursing for CNS Track**

This clinical practicum focuses on delivery of advanced evidence-based nursing care to adults. Students will focus on Systems, such as case management - "managing" care for groups of clients with similar health concerns in given health settings. The course emphasizes the synthesis of knowledge related to client care. The student selects her/his own setting based on individual goals and objectives, and works under the mentorship of a selected clinical preceptor. Six-hour Clinical, 240 precepted clinical hours.

**Credit Hours:** 6 hrs

**Prerequisites:** NURS 640, NURS 642, NURS 652 and NURS 662

**Major Restrictions:** Students in MSN only

**Last Updated:** Links 05/2011

## **NURS 675 - Practicum in Systems Management**

This clinical practicum focuses on management of clinical systems within health care organizations under the mentorship a selected preceptor. The student will apply knowledge synthesized from organizational theory, nursing theory, nursing research, nursing systems, human resource management and financial management. Students select their own setting based on individual goals and objectives. Three hour practicum, 135 precepted contact hours.

**Credit Hours:** 3 hrs

**Prerequisites:** NURS 607 and NURS 609

**Last Updated:** Links 05/2011

## **NURS 679 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **NURS 680 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **NURS 681 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **NURS 686 - Practicum in QI in Health Care Systems**

This clinical practicum is the capstone course for the QI certificate. Under mentorship of a preceptor in selected health care organizations and the direction of a faculty member, students apply knowledge and skills learned in previous courses. Students complete a realistic project in some aspect of QI at the selected health care organization.

**Credit Hours:** 3 hrs

**Prerequisites:** HLAD 525, NURS 605, and either MGMT 638, QUAL 552/QUAL 597 or QUAL 557/QUAL 597

**Last Updated:** Links 05/2011

### **NURS 688 - Field Study**

Development of a major research project completed under the direction of a research adviser.

**Credit Hours:** 2 hrs

**Last Updated:** Links 05/2011

### **NURS 693 - Thesis**

Development of an original study that contributes to nursing knowledge. Completed under the guidance of a major professor and thesis committee.

**Credit Hours:** 4 hrs

**Last Updated:** Links 05/2011

### **NURS 697 - Independent Study**

An intensive study of a selected professional problem, under the direction of a faculty adviser.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **NURS 698 - Independent Study**

An intensive study of a selected professional problem, under the direction of a faculty adviser.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **NURS 699 - Independent Study**

An intensive study of a selected professional problem, under the direction of a faculty adviser.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **NURS 779 - Special Topics**

An exploration and study of topics not covered in other program offerings. Student may elect more than once, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

### **NURS 780 - Special Topics**

An exploration and study of topics not covered in other program offerings. Student may elect more than once, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

### **NURS 781 - Special Topics**

An exploration and study of topics not covered in other program offerings. Student may elect more than once, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

### **NURS 797 - Independent Study**

An intensive study of a selected professional problem, under the direction of a faculty adviser.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **NURS 798 - Independent Study**

An intensive study of a selected professional problem, under the direction of a faculty adviser.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **NURS 799 - Independent Study**

An intensive study of a selected professional problem, under the direction of a faculty adviser.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **NURS 800 - Nursing Education Past, Present and Future**

This course is designed to facilitate students ability to integrate into their teaching and administrative duties, the various aspects of academic life from a historical perspective to the present day and projecting into the future.

**Credit Hours:** 3 hrs

**Prerequisites:** Completion of Education Core course work; Completion of Research Core course work

**Class Restrictions:** Doctoral student standing

**Major Restrictions:** Must be in the Ph.D. in Educational Studies program

### **NURS 801 - Nursing Education Theory Development**

This course is designed to expand the thinking and problem solving skills of doctoral students to envision effective outcome based nursing education curricula based on research and theoretical frameworks from both nursing and education.

**Credit Hours:** 3 hrs

**Prerequisites:** Completion of Education Core Course Work; Completion of Research Core Course Work

**Class Restrictions:** Doctoral Student Standing

### **NURS 802 - Assessment of Courses, Curricula and Programs in Nursing Higher Education**

This course is designed to broaden the students' knowledge and skills in matching assessment strategies with teaching methods at the course level, tracking content strands and threads throughout a nursing curriculum, and assessing program outcomes. CCNE and NLN-AC professional accreditation standards as well as State Board of Nursing Rules are used to guide comprehensive examination of nursing programs through self-study simulations.

**Credit Hours:** 3 hrs

**Prerequisites:** Completion of Education Core course work; Completion of Research Core course work

**Class Restrictions:** Doctoral student standing

**Major Restrictions:** Students is the Ph.D. Educational Studies program only

### **NURS 803 - Advanced Concepts in Diverse Populations in Nursing Education**

This course is designed to assist the student in recognizing the unique variables involved in designing educational programs for diverse populations. Students examine several populations, critique and evaluate the impact health disparities have on the learning needs of specific populations. Methods will include lecture, discussion, classroom and service learning activities designed to enhance application of course content.

**Credit Hours:** 3 hrs

**Prerequisites:** Completion of Education Core course work; Completion of Research Core course work

**Class Restrictions:** Doctoral student standing

**Major Restrictions:** Must be in the Ph.D. in Educational Studies program

# School of Social Work Programs and Courses

## School of Social Work

### Graduate Certificate

#### Graduate Certificate in Community Building (CBLD)

Adviser: Marti Bombyk, Ph.D.  
333 Marshall Building  
734.487.4173  
Marcia.Bombyk@emich.edu

This unique certificate program is designed to develop the competencies of community leaders, professionals and staff of nonprofit organizations in leadership, resource development and program evaluation; in understanding the community as a complex system; in understanding their organizations' potential for civic action; and in understanding how to improve the capacity of their community organizations to meet their missions and strengthen the community.

The program also has an external focus: to develop competencies for understanding the community as a social system and improving the social bonds and leadership skills among members of the community.

#### Required Courses: 12-13 hours

- SOCL 678 - Methods in Social Program Evaluation 3 hrs
- SWRK 660 - Community Building 2 hrs
- SWRK 662 - Grant Writing and Resource Development 3 hrs
- SWRK 694 - Community Action Seminar 2 hrs

#### One course from the following:

- LAW 603 - Legal Environment of Nonprofit Organizations 3 hrs
- SWRK 526 - People of Color: A Strengths Perspective 2 hrs

#### Certificate Total: 12-13 hours

### Master's

#### Master of Social Work (M.S.W.)

##### Adviser Information:

Tana Bridge  
Associate Professor  
317 Marshall Bldg



(734) 487-0393  
tbridge@emich.edu

The Master of Social Work (M.S.W.) program prepares graduates for advanced social work practice with poor families, neglected and abused children, persons with mental illness and/or chemical dependency, and the aged. The program equips graduates for working at both practice and leadership levels with individuals, families, groups and communities.

The program accommodates human service providers who cannot attend a graduate program full-time by offering course work in the evenings and on Saturdays, opportunities for part-time study and worksite field placements.

For the convenience of our students, some classes are offered in Detroit at the Northwest Activity Center and the EMU Livonia locations.

The M.S.W. program is fully accredited by the Council on Social Work Education.

### **Admission Requirements**

To be considered for admission to the M.S.W. program, you must:

1. Have earned a Bachelor's degree from an accredited institution prior to enrollment;
2. Have a 2.75 GPA (this requirement is higher than the minimum required by the Graduate School);
3. Demonstrate commitment to our mission; and
4. Show evidence of work and/or volunteer experience in social work or related fields (preferred).

If English is not your native language, submit documentation of English proficiency:

- A score of at least 550 on the Test of English as a Foreign Language (TOEFL) or 213 on the computer version and a 5 on the essay; or
- A score of at least 77 on the Michigan English Language Assessment Battery (MELAB), plus 83 on the written essay.

*Note:*

*Official scores must be sent by the testing agency directly to the University.*

### **Course Requirements**

The length of time required to complete the M.S.W. depends upon undergraduate preparation. Students admitted to the M.S.W. program begin course work in the fall semester immediately following their admission. Students are admitted as a cohort with a structured, approved Plan of Study.

### **Advanced Standing**

Students with a Bachelor of Social Work (B.S.W.) degree from an undergraduate program accredited by the Council of Social Work Education (CSWE) will be considered for advanced standing admission. Students not approved for advanced standing admission may be reviewed for full program admission. Advanced Standing students are required to complete 35 approved credit hours of course work. Students can successfully matriculate through the Master's program as an Advanced Standing student in two years while attending part-time. Students may petition to attend full-time.

### **Full Program**

Students applying to the M.S.W. program who did not obtain a B.S.W. in their undergraduate studies are considered for the Full Program. Full Program students complete 63 hours of foundation and advanced-level courses. Full Program students can successfully matriculate through the Master's program in four years while attending part-time. Students may petition to attend full-time.

### **Length of the Program**

The Council of Social Work Education (CSWE) mandates that all M.S.W. requirements must be completed within four years of

the date of entrance into the program. Exceptions to this requirement may be requested by students who need an extension due to extraordinary and/or unavoidable extenuating circumstances. Only petitions from students who have a consistent outstanding academic performance history with no "incompletes," "withdrawals," "stop-outs," or "fail" grades will be considered for this extension. Under no circumstances will students be allowed more than six years to complete their M.S.W. program.

### **Field Placement**

All M.S.W. students must complete field placements that are authorized and arranged with affiliated public and nonprofit social service agencies through the field placement office. Foundation Field Placement (SWRK 588, SWRK 589A and SWRK 589B) requires 400 hours of supervised field work. These are generalist placements. Advanced Field Placement (SWRK 688, SWRK 689 and SWRK 690) requires 500 hours of supervised field work in a student's chosen concentration. M.S.W. students admitted to the full program must complete both placements. Students admitted to the advanced standing program complete only the advanced level placements. In accordance with our national accreditation standards, no credit can be given for past or present work experience.

## **Foundation Level Courses: 31 hours**

- SWRK 502 - Social Work Profession, Services and Social Policies 3 hrs
- SWRK 506 - Human Behavior and the Social Environment I: Individuals and Families 2 hrs
- SWRK 507 - Human Behavior and the Social Environment II: Groups, Organizations and Communities 2 hrs
- SWRK 510 - Generalist Practice I 3 hrs
- SWRK 520 - Generalist Practice II 3 hrs
- SWRK 521 - Policy Analysis and Change 3 hrs
- SWRK 526 - People of Color: A Strengths Perspective 2 hrs
- SWRK 528 - Practice with Women 2 hrs
- SWRK 530 - Social Work Research Methodology 3 hrs
- SWRK 588 - Field Professional Experience I 4 hrs
- SWRK 589 - Field Professional Experience II 4 hrs

## **Advanced level courses: 24 hours**

- SWRK 610 - Empowerment: Social Justice and Social Change 2 hrs
- SWRK 630 - Action Research 3 hrs
- SWRK 688 - Field Experience III 4 hrs
- SWRK 689 - Field Experience IV 4 hrs
- SWRK 690 - Field Experience V 2 hrs

Select one from the following three concentrations:

### **I. Family and Children's Services (SWFS)**

- SWRK 640 - Policies and Issues in Services to Families 3 hrs
- SWRK 644 - Family-Centered Practice 3 hrs
- SWRK 643 - Families in the Social Environment 3 hrs

### **II. Mental Health and Chemical Dependency (SWMH)**

- SWRK 650 - Policy Issues in the Health Care Setting 3 hrs
- SWRK 652 - Dynamics and Practice: Mental Illness Services 3 hrs

- SWRK 653 - Dynamics and Practice: Chemical Dependency Services 3 hrs

### III. Services to the Aging (SWAG)

- SWRK 620 - Policy Issues and Older People 3 hrs
- SWRK 623 - Applied Psychological Aspects of Aging 3 hrs
- SWRK 624 - Working with Aging People 3 hrs

### Elective Courses: 8 hours

*Eight hours selected in consultation with a graduate adviser.*

### Program Total: 63 hours

### Advanced Standing

The length of time required to complete the M.S.W. depends upon undergraduate preparation. Those students with a B.S.W. from a program accredited by the Council on Social Work Education can complete the M.S.W. program in approximately two years of part-time work on an advanced-standing basis or one year of full-time work (35 hours) if they meet other specific GPA requirements. Students complete the M.S.W. on a part-time basis, but may petition to attend full time.

### Advanced level courses: 24 hours

- SWRK 610 - Empowerment: Social Justice and Social Change 2 hrs
- SWRK 630 - Action Research 3 hrs
- SWRK 688 - Field Experience III 4 hrs
- SWRK 689 - Field Experience IV 4 hrs
- SWRK 690 - Field Experience V 2 hrs

Select one from the following two concentrations:

#### I. Family and Children's Services

- SWRK 640 - Policies and Issues in Services to Families 3 hrs
- SWRK 644 - Family-Centered Practice 3 hrs
- SWRK 643 - Families in the Social Environment 3 hrs

#### II. Mental Illness and Chemical Dependency

- SWRK 650 - Policy Issues in the Health Care Setting 3 hrs
- SWRK 652 - Dynamics and Practice: Mental Illness Services 3 hrs
- SWRK 653 - Dynamics and Practice: Chemical Dependency Services 3 hrs

#### III. Services to the Aging

- SWRK 620 - Policy Issues and Older People 3 hrs
- SWRK 623 - Applied Psychological Aspects of Aging 3 hrs
- SWRK 624 - Working with Aging People 3 hrs

## Elective Courses: 11 hours

*Eleven hours selected in consultation with a graduate adviser.*

## Program Total: 35 hours

## School of Social Work

The EMU School of Social Work offers a sequence of three elective courses that have been approved by the State of Michigan required to become a school social worker. Consultation should be made with a social work graduate adviser or the M.S.W. office about this opportunity.

## Undergraduate Courses for Graduate Credit: School of Social Work

These upper-division undergraduate courses may also be taken for graduate credit and applied on the department's certificate or degree programs. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form to the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- GERT 417 - Work and Retirement 2 hrs
- GERT 488 - Gerontology Practicum 2 hrs
- GERT 489 - Gerontology Practicum 3 hrs
- SWRK 413 - Women and Aging 3 hrs
- SWRK 420 - Working with Aging People 3 hrs
- SWRK 431 - Substance Abuse 3 hrs
- SWRK 435 - Group Work with Children and Families 3 hrs
- SWRK 460 - The Law and Social Work with the Family 3 hrs
- SWRK 463 - Social Work Practice with Legal Offenders 3 hrs

## Gerontology

### **GERT 417 - Work and Retirement**

Issues on the historical aspect of retirement, the realities of retirement, the necessity of preparing individuals for this significant part of their life-span, and work past the age of 65.

**Credit Hours:** 2 hrs

**Class Restrictions:** Junior, Senior or Graduate standing

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; 06/2011

### **GERT 488 - Gerontology Practicum**

An aging focused internship provides integration of previous gerontology course work, life experience, knowledge, and skills in a practice based setting. This seminar course provides the opportunity to explore and to discuss the gerontological internship experience and to build new skills and understandings using supplemental practice information.

**Credit Hours:** 2 hrs

**Prerequisites:** Completion of two courses in the gerontology minor or advising coordinator's permission

**Class Restrictions:** Senior standing

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Title and Description Change 12/2011, effective Winter 2012; Graduate Credit 07/2011; 06/2011

## **GERT 489 - Gerontology Practicum**

An aging focused internship provides integration of previous gerontology course work, life experience, knowledge, and skills in a practice based setting. This seminar course provides the opportunity to explore and to discuss the gerontological internship experience and to build new skills and understandings using supplemental practice information.

**Credit Hours:** 3 hrs

**Prerequisites:** Completion of two courses in the gerontology minor or advising coordinator's permission

**Class Restrictions:** Senior standing

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Title and Description Change 12/2011, effective Winter 2012; Graduate Credit 07/2011; 06/2011

## **GERT 509 - Older Adults and Chemical Dependency**

This course is a survey of the epidemiology, clinical presentation, public policy issues and current treatment models for geriatric chemical dependency. Emphasis will be placed on both clinical and policy issues related to access to treatment and the types of treatment available.

**Credit Hours:** 1 hr

**Last Updated:** 06/2011

## **GERT 511 - Elders and Their Families**

Examines the nature and significance of family and family-like relationships in later life, including long-term marriage, widowhood, divorce, remarriage, adult-to-adult/parent-child relationships, grandparenthood, siblingship and friendship.

**Credit Hours:** 2 hrs

**Last Updated:** 06/2011

## **GERT 512 - Applied Psychosocial Aspects of Aging**

An interdisciplinary overview of the gerontological aspects including psychological, social/psychological, sociological and political and economic issues. Application will be made in such areas as leisure, education, housing and intergenerational issues.

**Credit Hours:** 3 hrs

**Class Restrictions:** Senior undergraduates or Graduate standing

**Cross-listed with:** SWRK 623

**Last Updated:** 06/2011

## **GERT 513 - Intergenerational Programs and Services**

Learners will explore common connections between elders and youth, examine factors that support or hinder intergenerational relationships and develop an intergenerational program or service plan.

**Credit Hours:** 2 hrs

**Last Updated:** 06/2011

### **GERT 514 - Caregiving and the Elderly**

This course introduces issues affecting families who care for frail or dependent older relatives. Students learn practical interventions with families and examine policies that affect them.

**Credit Hours:** 2 hrs

**Last Updated:** 06/2011

### **GERT 515 - Sexuality and Aging**

Examines factors affecting sexual expression, capacity and relationships in later life; considers special population needs/issues (e.g., disabled elders, homosexuality, sexuality and dementia, HIV/AIDS, women).

**Credit Hours:** 1 hr

**Last Updated:** 06/2011

### **GERT 516 - The Elderly and the Law**

This course discusses the legal issues and implications surrounding health care, long-term care, public entitlement programs, termination of life support, guardianship and alternatives, and intergenerational family issues.

**Credit Hours:** 1 hr

**Last Updated:** 06/2011

### **GERT 517 - Developing Funding Proposals for Aging Programs**

This course is designed to provide the student with grantsmanship theory and an introduction to the basic skills needed to research and select appropriate aging funders, and develop grant proposals for funding aging programs.

**Credit Hours:** 2 hrs

**Last Updated:** 06/2011

### **GERT 518 - Introduction to Alzheimer's and Related Dementia**

This introductory course provides an overview of Alzheimer's disease and related dementias, the clinical features of progressive dementias, and impact on quality-of-life issues for families and individuals with dementia. Emphasis is placed on developing meaningful relations with persons with dementia and exploring innovative programs and services designed to accommodate dementia-related changes throughout the continuum of illness.

**Credit Hours:** 2 hrs

**Class Restrictions:** Senior standing with permission. Certificate, Masters and Doctoral candidates.

**Last Updated:** 06/2011

### **GERT 523 - Designing Programs for People with Dementia**

This seminar examines issues involved in designing meaningful programs that address the cognitive, physical and psychosocial needs of persons with dementia. A fieldwork assignment provides students the opportunity to design, implement and evaluate a small group program. Students may choose a site for this assignment.

**Credit Hours:** 2 hrs

**Last Updated:** 06/2011

### **GERT 524 - Families and Dementia**

This class looks at family caregiving of people with dementia by addressing primary concerns, needs, assessment issues and interventions appropriate to the early, middle and late stages of dementia, and the period after the family member's death.

**Credit Hours:** 2 hrs

**Last Updated:** 06/2011

### **GERT 526 - Behaviors in Dementia**

Behaviors in Dementia identifies factors that influence behaviors common in individuals with dementia-- including unmet needs, biological, psychological and environmental causes. Strategies are discussed to develop interventions for target behaviors and implementation of person-centered treatment plans.

**Credit Hours:** 2 hrs

**Last Updated:** 06/2011

### **GERT 528 - Advanced Issues in Dementia Care**

Seminar focuses in depth on assessment and treatment of Alzheimer's disease, dementia with Lewy bodies, picks, Creutzfeldt Jakob disease and related disorders. An interdisciplinary team will facilitate discussions on specialized care issues. Students will participate in an innovative service-learning project involving in-home respite.

**Credit Hours:** 2 hrs

**Last Updated:** 06/2011

### **GERT 530 - Assessment of Individuals with Dementia**

Course examines in depth the components of a comprehensive geriatric assessment and ways to structure the assessment so that an individualized action plan can be developed for people with dementia.

**Credit Hours:** 2 hrs

**Last Updated:** 06/2011

### **GERT 532 - Aging Through the Eyes of the Old**

Course is designed to provide students with an opportunity to learn what it is to experience being old by reading journals and books written by or about older people who use their writings to come to terms with old age. Also, the class will delve into a number of theories that are helpful for understanding the aging process and the readings. Film, music and storytelling will be part of the learning experience.

**Credit Hours:** 2 hrs

**Last Updated:** 06/2011

## **GERT 590 - Special Topics**

Content will change from semester to semester. An experimental course for subject matter not yet provided in other program offerings. Students may elect this course more than once, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Last Updated:** 06/2011

## **GERT 591 - Special Topics**

Content will change from semester to semester. An experimental course for subject matter not yet provided in other program offerings. Students may elect this course more than once, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Last Updated:** 06/2011

## **GERT 592 - Special Topics**

Content will change from semester to semester. An experimental course for subject matter not yet provided in other program offerings. Students may elect this course more than once, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Last Updated:** 06/2011

## **GERT 597 - Independent Study**

This course will provide the opportunity for the selection and completion of an individual study under the direction of University faculty members.

**Credit Hours:** 1 hr

**Last Updated:** 06/2011

## **GERT 598 - Independent Study**

This course will provide the opportunity for the selection and completion of an individual study under the direction of University faculty members.

**Credit Hours:** 2 hrs

**Last Updated:** 06/2011

## **GERT 599 - Independent Study**

This course will provide the opportunity for the selection and completion of an individual study under the direction of University faculty members.

**Credit Hours:** 3 hrs

**Last Updated:** 06/2011



## **GERT 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Last Updated:** 06/2011

## **GERT 679 - Special Topics**

Content will change from semester to semester. An experimental course for subject matter not yet provided in other program offerings. Students may elect this course more than once, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Last Updated:** 06/2011

## **GERT 680 - Special Topics**

Content will change from semester to semester. An experimental course for subject matter not yet provided in other program offerings. Students may elect this course more than once, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Last Updated:** 06/2011

## **GERT 681 - Special Topics**

Content will change from semester to semester. An experimental course for subject matter not yet provided in other program offerings. Students may elect this course more than once, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Last Updated:** 06/2011

## **GERT 688 - Gerontology Practicum**

An aging focused internship provides integration of previous gerontology course work, life experience, knowledge, and skills in a practice based setting. This seminar course provides the opportunity to explore and to discuss the gerontological internship experience and to build new skills and understandings using supplemental practice information.

**Credit Hours:** 2 hrs

**Prerequisites:** final semester of study

**Class Restrictions:** Graduate standing

**Last Updated:** Course Description Change 12/2011, effective Winter 2012; 06/2011

## **GERT 689 - Gerontology Practicum**

An aging focused internship provides integration of previous gerontology course work, life experience, knowledge, and skills in a practice based setting. This seminar course provides the opportunity to explore and to discuss the gerontological internship experience and to build new skills and understandings using supplemental practice information.

**Credit Hours:** 3 hrs

**Prerequisites:** final semester of study

**Class Restrictions:** Graduate standing

**Last Updated:** Course Description Change 12/2011, effective Winter 2012; 06/2011

### **GERT 697 - Independent Study**

This course will provide the opportunity for the selection and completion of an individual study under the direction of University faculty members.

**Credit Hours:** 1 hr

**Last Updated:** 06/2011

### **GERT 698 - Independent Study**

This course will provide the opportunity for the selection and completion of an individual study under the direction of University faculty members.

**Credit Hours:** 2 hrs

**Last Updated:** 06/2011

### **GERT 699 - Independent Study**

This course will provide the opportunity for the selection and completion of an individual study under the direction of University faculty members.

**Credit Hours:** 3 hrs

**Last Updated:** 06/2011

## **Social Work**

### **SWRK 413 - Women and Aging**

Designed to provide social work, women's studies, and gerontology students with the skills and sensitivity to understand the issues, needs and positive attributes of women as they grow older. Students will examine the lives of women in special groups, such as older minority women, caregivers, widows and institutionalized elderly women. Students will learn skills to provide effective services to older women in a variety of human service settings.

**Credit Hours:** 3 hrs

**Major Restrictions:** Social Work Majors and Minors only or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Cross-listed with:** WGST 413

**Last Updated:** Graduate Credit 07/2011; Links 05/2011

### **SWRK 420 - Working with Aging People**

The role of social worker with aged people. The delivery of social services to the aged with a focus on practice approaches and techniques unique to various social service settings.

**Credit Hours:** 3 hrs

**Major Restrictions:** Social Work Majors and Minors only or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

### **SWRK 431 - Substance Abuse**

Current approaches to the prevention and treatment of drug and alcohol abuse. Consideration of the physiological, psychological and social impact of substance abuse on the individual, the family, and the community. The role of the social worker in prevention and treatment.

**Credit Hours:** 3 hrs

**Major Restrictions:** Social Work Majors and Minors only or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

### **SWRK 435 - Group Work with Children and Families**

Social group work theory and practice as a relevant way to work with children and families. Group process as it occurs in natural groups and the effect of this process on individual behavior. Techniques that can be built into the group to effect client change.

**Credit Hours:** 3 hrs

**Major Restrictions:** Social Work Majors and Minors only or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

### **SWRK 460 - The Law and Social Work with the Family**

Social workers and lawyers frequently find themselves working together dealing with issues and problems involving individuals and families, such as in cases of divorce, child abuse and neglect, child custody, delinquency and mental health. Legal and social work perspectives in terms of client rights, needs and professional goals. Social work practice in the family court arena.

**Credit Hours:** 3 hrs

**Major Restrictions:** Social Work Majors and Minors only or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

### **SWRK 463 - Social Work Practice with Legal Offenders**

Professional roles and appropriate practice skills utilized by social workers and allied professionals in working with legal offenders.

**Credit Hours:** 3 hrs

**Major Restrictions:** Social Work Majors and Minors only or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

### **SWRK 502 - Social Work Profession, Services and Social Policies**

Designed to provide students with an overview of social work, socialization to the profession and an understanding of social work ethics. Content includes history and analysis of the profession; its scope, methods, values and organization of services. It will focus on practice in a variety of settings with oppressed populations.

**Credit Hours:** 3 hrs

**Prerequisites:** admission to M.S.W. program

**Last Updated:** Links 05/2011

## **SWRK 506 - Human Behavior and the Social Environment I: Individuals and Families**

This course provides a foundation of biopsychosocial knowledge related to individuals and families. It includes developmental stages, predictable life cycle changes, crises, theories of personality and family functioning, and factors promoting strengths and resilience.

**Credit Hours:** 2 hrs

**Major Restrictions:** Social Work students only

## **SWRK 507 - Human Behavior and the Social Environment II: Groups, Organizations and Communities**

This course provides foundation knowledge about the behavior and development of groups, organizations and communities. The impact of mesosystems and macrosystems upon individuals' and families' experiences is also explored.

**Credit Hours:** 2 hrs

**Prerequisites:** SWRK 506

**Last Updated:** Links 05/2011

## **SWRK 510 - Generalist Practice I**

The focus will be on relationship building and communication skills to engage and assess different sized systems (e.g., families, individuals, groups, organizations, communities). Emphasis will be on the helping process, information gathering, assessment and contracting. Written skills common to social work will also be emphasized.

**Credit Hours:** 3 hrs

**Prerequisites:** SWRK 507

**Last Updated:** Links 05/2011

## **SWRK 520 - Generalist Practice II**

This course introduces the student to a generalist and ecological systems approach to practice in which the social worker is seen as a change agent, the client is seen as a client system and the two work together to effect change with a target system that may or may not be synonymous with the client system. The student will learn ways of assessing various sized systems, how to develop a plan of action and how to negotiate a contract for service. A variety of intervention strategies will be introduced. Termination, follow-up and evaluation complete the phases of the sequential helping process covered in this course.

**Credit Hours:** 3 hrs

**Prerequisites:** SWRK 510

**Last Updated:** Links 05/2011

## **SWRK 521 - Policy Analysis and Change**

This course focuses on current social policy and its intended and unintended effects on client populations. Students will develop skills in both analysis and strategies for policy development and change.

**Credit Hours:** 3 hrs

**Prerequisites:** SWRK 502

**Last Updated:** Links 05/2011

### **SWRK 526 - People of Color: A Strengths Perspective**

Examines the social realities in which people of color function, and how these interact with developmental processes to establish the sense of identity. Provides students with a strengths perspective for explaining behavior and integrates this into an ethnic-sensitive approach for practice.

**Credit Hours:** 2 hrs

**Prerequisites:** SWRK 507

**Last Updated:** Links 05/2011

### **SWRK 528 - Practice with Women**

Focuses on women's unique experience in society and women's issues, including violence, sexual exploitation, mental illness, poverty, homelessness and chemical dependency.

**Credit Hours:** 2 hrs

**Prerequisites:** SWRK 507

**Last Updated:** Links 05/2011

### **SWRK 530 - Social Work Research Methodology**

This course is designed to provide students with an introduction to statistics and research methods. Students will be introduced to quantitative and qualitative methods in the human services, and the use of the computer in data analysis and management.

**Credit Hours:** 3 hrs

**Prerequisites:** SWRK 506

**Last Updated:** Links 05/2011

### **SWRK 543 - Practice with Children and Youth**

This course enables students to engage, assess and intervene on behalf of maltreated children and youth. Special developmental issues and needs will be examined. Strategies and roles of practice with children in their own families, foster and adoptive homes, and residential settings will be addressed.

**Credit Hours:** 2 hrs

### **SWRK 551 - Specialized Services for Families with Children in Placement**

This course provides practice knowledge and skills in working with families where out-of-home placement has become necessary, and children are in foster care, group, residential or adoptive settings. Emphasis will be on preventing placement, and planning for permanence for children. The social worker's role in serving families where placement has occurred and children in placement will be the primary focus.

**Credit Hours:** 3 hrs

## **SWRK 553 - Ethnicity and Gender Issues Among the Aged**

This course will examine research pertaining to gender and minority group differences in the aging process, and the implications for social work practice.

**Credit Hours:** 2 hrs

## **SWRK 555 - Social Work with Groups**

This course provides and explores the practice principles associated with social work with groups. Students learn how to analyze group situations, intervene at both the group and individual levels and how to develop mutual aid and empowerment among the members of a social work group.

**Credit Hours:** 2 hrs

**Prerequisites:** Admission to Masters in Social Work or permission of the instructor

## **SWRK 560 - Case Management**

The course is based on a six-stage model of case management which includes: engaging, assessing, planning, accessing resources, coordinating and disengaging. It is designed to provide an understanding of the theoretical basis of the model and to discuss a context for the main focus of the course, which is on methods that can have practical application to case management in a variety of fields. The course offers hands-on experiences in a variety of techniques.

**Credit Hours:** 3 hrs

## **SWRK 561 - Law and Family**

Social workers and lawyers frequently find themselves operating together around issues and problems involving individuals and families, as in cases of divorce, child abuse and neglect, child custody, delinquency and mental health. The student will examine both legal and social work perspectives in terms of clients' rights and needs, and professional goals. Particular attention will be paid to areas of possible conflict. Use of the court and legal authority in family affairs will be explored. Racism and sexism in relationship to the law and to the social work component of legal institutions will be considered.

**Credit Hours:** 3 hrs

## **SWRK 562 - Practice with Lesbian, Gay, Bisexual and Transgender Persons**

This course exposes students to a wide array of life experiences of lesbian, gay, bi-attractional and transgender persons by listening to their own words-spoken, written, on film and through personal interviews. It develops a deeper contextual knowledge and understanding of life courses taken by sexual minorities.

**Credit Hours:** 3 hrs

**Prerequisites:** Admission to Masters in Social Work or department permission

**Cross-listed with:** WGST 562

**Last Updated:** Links 05/2011

## **SWRK 575 - Working with Youth in Care**

Students explore the effects of child abuse and placement on adolescent development and necessary worker skill adaptations. The course sensitizes students to the unique needs of older youth in foster care/group living and explores strength-based/youth development approaches to service. Skills needed for social work and residential practice are developed.

**Credit Hours:** 2 hrs

### **SWRK 588 - Field Professional Experience I**

The field placement agency in consultation with the Department of Social Work provides a generalist learning experience and supervision that are appropriate to the objectives of the graduate program and to the level of the student's knowledge and capacity. Students spend 16 hours per week in the field placement setting. A weekly seminar relating field learning to classroom content is an integral part of this course.

**Credit Hours:** 4 hrs

**Prerequisites:** SWRK 510

**Last Updated:** Links 05/2011

### **SWRK 589 - Field Professional Experience II**

The field placement agency in consultation with the Department of Social Work provides a generalist learning experience and supervision that are appropriate to the objectives of the graduate program and to the level of the student's knowledge and capacity. Students spend 16 hours per week in the field placement setting. A weekly seminar relating field learning to classroom content is an integral part of this course.

**Credit Hours:** 4 hrs

**Prerequisites:** SWRK 510

**Last Updated:** Links 05/2011

### **SWRK 590 - Special Topics**

Special topics integral to contemporary social work will be presented. The content and form of this course will vary, and will typically consider topics not given in usual course offerings. Since the topics change, students may take the course more than once. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **SWRK 591 - Special Topics**

Special topics integral to contemporary social work will be presented. The content and form of this course will vary, and will typically consider topics not given in usual course offerings. Since the topics change, students may take the course more than once. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **SWRK 592 - Special Topics**

Special topics integral to contemporary social work will be presented. The content and form of this course will vary, and will typically consider topics not given in usual course offerings. Since the topics change, students may take the course more than once. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **SWRK 597 - Independent Study**

Intensive study in areas not provided in other courses, or advanced study in areas of special interest to the student, under the direction of a social work faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **SWRK 598 - Independent Study**

Intensive study in areas not provided in other courses, or advanced study in areas of special interest to the student, under the direction of a social work faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **SWRK 599 - Independent Study**

Intensive study in areas not provided in other courses, or advanced study in areas of special interest to the student, under the direction of a social work faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **SWRK 610 - Empowerment: Social Justice and Social Change**

Focuses on the societal forces contributing to oppression, and the resulting impact on individuals, communities and society. Concepts of social justice and empowerment as they relate to gender, race, class, age, sexual orientation and mental and physical status will be organizing themes. Skills will be developed in the range of social change intervention.

**Credit Hours:** 2 hrs

**Prerequisites:** SWRK 591

**Course Revisions:** This course will have a prerequisite change from "SWRK 589 or SWRK 591" to "none", effective Winter 2013.

**Last Updated:** Prerequisite Change 09/2012, effective Winter 2013; Links 05/2011

## **SWRK 620 - Policy Issues and Older People**

This course is designed to introduce students to basic policy concepts and to familiarize them with major aging policies, including the Older Americans Act, Social Security and Medicare. Also, the student will explore various key policy issues such as housing, health care, retirement and pensions. Programs and services that evolve out of aging policy initiatives will be considered.

**Credit Hours:** 3 hrs

**Prerequisites:** SWRK 610

**Corequisites:** SWRK 624

**Course Revisions:** This course will have a corequisite change of "none" to "SWRK 624", effective Winter 2013.

**Last Updated:** Corequisite Change 09/2012, effective Winter 2013; Links 05/2011



## **SWRK 623 - Applied Psychological Aspects of Aging**

An interdisciplinary overview of the gerontological aspects including psychological, social/psychological, sociological and political and economic issues. Application will be made in such areas as leisure, education, housing and intergenerational issues.

**Credit Hours:** 3 hrs

**Corequisites:** SWRK 610

**Class Restrictions:** Senior undergraduates or Graduate standing

**Cross-listed with:** GERT 512

**Course Revisions:** This course will have a corequisite change from "none" to "SWRK 610", effective Winter 2013.

**Last Updated:** Corequisite Change 09/2012, effective Winter 2013; Links 05/2011

## **SWRK 624 - Working with Aging People**

This course is designed to provide social work students and students in related disciplines with the sensitivity, knowledge and skills necessary to enhance their understanding of the pleasures, problems and needs of aging people and to develop their effectiveness in providing services to, and working with, aging individuals, families, groups, agencies and communities. This course will focus on the role of the human service provider in relation to the direct provision of services. It will examine the political and psychosocial factors that effect the availability, provision and acceptance of such services.

**Credit Hours:** 3 hrs

**Corequisites:** SWRK 620

**Course Revisions:** This course will have a corequisite change from "none" to "SWRK 620", effective Winter 2013.

**Last Updated:** Corequisite Change 09/2012, effective Winter 2013

## **SWRK 630 - Action Research**

This covers procedures for conducting quantitative and qualitative research to social program evaluation and social practice. Planning will take place for a research project that will be initiated and completed in SWRK 692.

**Credit Hours:** 3 hrs

**Prerequisites:** SWRK 610

**Last Updated:** Links 05/2011

## **SWRK 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Notes:** Credit will not apply toward degree completion.

## **SWRK 640 - Policies and Issues in Services to Families**

The course will examine in depth the field of family and children's services through the process of identifying and analyzing issues crucial to the field, analyzing policies and legislation, and critically examining processes integral to the service delivery structure.

**Credit Hours:** 3 hrs

**Prerequisites:** SWRK 610

**Corequisites:** SWRK 644

**Course Revisions:** This course will have a corequisite change from "none" to "SWRK 644", effective Winter 2013.

**Last Updated:** Corequisite Change 09/2012, effective Winter 2013; Links 05/2011

## **SWRK 643 - Families in the Social Environment**

This is the advanced Human Behavior in the Social Environment course for MSW students in the Child and Family concentration. This course explores the social work theories of families within the context of social, cultural and geographic communities examining the relationship between families and the broader society. Available only to students in the Master of Social Work with a Child and Family concentration.

**Credit Hours:** 3 hrs

**Corequisites:** SWRK 610

**Course Revisions:** This course will have a prerequisite change from "SWRK 610" to "none", effective Winter 2013. The revision also includes a corequisite change from "SWRK 540" to "SWRK 610."

**Last Updated:** Prerequisite and Corequisite Change 09/2012, effective Winter 2013; Links 05/2011

## **SWRK 644 - Family-Centered Practice**

Students will deepen their understanding of the family as a social psychological system that must meet the needs of both adults and children. In developing and implementing services to families and children, the prevention of placement, whenever possible, is seen as a primary goal. The course will enhance practice knowledge and skills in delivering preventive, supportive, therapeutic and supplementary services to families in need of help. Particular attention will be given to working with vulnerable families in which children have been identified as neglected or abused.

**Credit Hours:** 3 hrs

**Prerequisites:** SWRK 592

**Corequisites:** SWRK 640

**Previously Listed as:** SWRK 542

**Course Revisions:** This course will have a prerequisite change from "SWRK 592" to "none", effective Winter 2013. The revision also includes a corequisite change from "none" to "SWRK 640."

**Last Updated:** Prerequisite and Corequisite Change 09/2012, effective Winter 2013; Links 05/2011

## **SWRK 650 - Policy Issues in the Health Care Setting**

This course will cover historical developments in the formation of mental health and substance abuse policy in the United States. Current policy directives will be analyzed with a focus on their impact on society in general and specifically on the severely mentally ill, those with dual problems of mental illness and substance abuse, people of racial and ethnic minorities, children, the elderly and women.

**Credit Hours:** 3 hrs

**Prerequisites:** SWRK 610

**Corequisites:** SWRK 652

**Course Revisions:** This course will have a corequisite change from "none" to "SWRK 652", effective Winter 2013.

**Last Updated:** Corequisite Change 09/2012, effective Winter 2013; Links 05/2011

## **SWRK 652 - Dynamics and Practice: Mental Illness Services**

This advanced knowledge and practice course is required in the chemical dependency and mental illness rehabilitation services concentration. A biopsychosocial model provides the framework for understanding the dynamics involved in mental illness and unusual disorders. Special attention will be given to gender, sexual orientation, race, culture and class.

**Credit Hours:** 3 hrs

**Prerequisites:** advanced program graduate students in social work and SWRK 610

**Corequisites:** SWRK 650

**Course Revisions:** This course will have a prerequisite change from "advanced program graduate students in social work, SWRK 588/589, SWRK 610 and department permission required" to "advanced program graduate students in social work and SWRK 610", effective Winter 2013. The revision also includes a corequisite change from "none" to "SWRK 650."

**Last Updated:** Prerequisite and Corequisite Change 09/2012, effective Winter 2013; Links 05/2011

## **SWRK 653 - Dynamics and Practice: Chemical Dependency Services**

This advanced knowledge and practice course is required in the chemical dependency and mental illness rehabilitation services concentration. A biopsychosocial model provides the framework for understanding the dynamics involved in chemical dependency and abuse. Special attention will be given to gender, sexual orientation, race, culture and class. Department permission required.

**Credit Hours:** 3 hrs

**Prerequisites:** SWRK 610

**Corequisites:** SWRK 610

**Class Restrictions:** Graduate students

**Major Restrictions:** Advanced Program in Social Work

**Course Revisions:** This course will have a prerequisite change from "SWRK 588/589 and SWRK 610" to "none", effective Winter 2013. The revision also includes a corequisite change from "none" to "SWRK 610."

**Last Updated:** Prerequisite and Corequisite Change 09/2012, effective Winter 2013; Links 05/2011

## **SWRK 660 - Community Building**

Community building strengthens ties between groups and organizations for collaborating on goals such as economic development or the development of social services. Social work community practices methods for professional and civic activity will be covered, such as articulating issues, analyzing action proposals, developing leadership, networking and coalition building.

**Credit Hours:** 2 hrs

## **SWRK 661 - Crisis Intervention**

This course will give the student an introduction to the history and theory of crisis intervention; characteristics of being in a crisis state or a condition that puts the person, group or community in a crisis or at risk for crisis; and detailed information on specific crisis situations. The class will view crises from ecological systems and strengths perspectives. Instructions for intervention methods will draw on individual strengths and environmental systems.

**Credit Hours:** 2 hrs

## **SWRK 662 - Grant Writing and Resource Development**

Resource development strategies will be examined for implementing creative human services programs. Students will learn to assess resources within a community, plan and develop networks to address unmet needs, locate funding opportunities and complete a grant-writing and/or fund-raising project.

**Credit Hours:** 3 hrs

## **SWRK 663 - Supervising Staff and Volunteers**

Models of supervision and the roles of the social services supervisor will be examined. Attention will be given to the basic knowledge, skills and values required for effective supervision and mid-level management of social services agencies. The course will review supervisory and managerial activities, such as planning, program implementation, marketing, program evaluation, budgeting, leadership, conflict resolution and consultation. The role of the supervisor in utilizing supervision will also be examined.

**Credit Hours:** 3 hrs

## **SWRK 664 - Chemical Dependency and Addictions**

Critical examination of current approaches for treatment and prevention of drug and alcohol dependency in the context of culture and gender. The physiological, psychological and social impact of chemical dependency will be explored.

**Credit Hours:** 3 hrs

## **SWRK 665 - Social Work Practice in Behavioral Health**

This course provides students with knowledge and skills to become competent practitioners in behavioral health social service delivery. Students learn how social workers provide behavioral health services to individuals, families and communities. Practice demonstrations are required, utilizing theoretical and science-based knowledge and skills to help behavioral health consumers via social work case management methods. Available only to students in the School of Social Work or in the College of Health and Human Services or Social Sciences with the permission of the instructor and relevant school/department heads.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **SWRK 670 - Social Work Services in Schools**

This course introduces policies and programs designed to help children and youth obtain an education. Students explore the structure and history of education in relation to social work practice. Legislative, social justice, professional and other implications are discussed in relation to educational trends, issues and services.

**Credit Hours:** 3 hrs

**Prerequisites:** must be admitted to the Master of Social Work program

## **SWRK 671 - Social Work Assessment of Children and Youth**

This course prepares social work students for the specific assessment procedures associated with learning and behavioral assessments in the school system. With consideration for socioeconomic and social injustices, students learn about educational testing and how to integrate educational tests in social work assessment and school-based practice.

**Credit Hours:** 2 hrs

**Prerequisites:** SWRK 670 and students must be enrolled in the Master of Social Work program

**Last Updated:** Links 05/2011

## **SWRK 672 - School Social Work with Children with Educational Disabilities**

This class provides students with social work knowledge and skills for serving students with educational impairments. Current legislation, the dynamics of educational impairment, critical partnerships and strategies of intervention are explored. Issues of labeling and testing are discussed in light of social, economics, racial and ethnic diversity.

**Credit Hours:** 2 hrs

**Concurrent Prerequisites:** SWRK 670

**Last Updated:** Links 05/2011

## **SWRK 679 - Special Topics**

Special topics integral to contemporary social work will be presented. The content and form of this course will vary, and will typically consider topics not given in usual course offerings. Since the topics change, students may take the course more than once. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

## **SWRK 680 - Special Topics**

Special topics integral to contemporary social work will be presented. The content and form of this course will vary, and will typically consider topics not given in usual course offerings. Since the topics change, students may take the course more than once. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

## **SWRK 681 - Special Topics**

Special topics integral to contemporary social work will be presented. The content and form of this course will vary, and will typically consider topics not given in usual course offerings. Since the topics change, students may take the course more than once. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

## **SWRK 688 - Field Experience III**

Students are required to complete three consecutive semesters (fall, winter, spring) of advanced field placement in agency-based practice within their areas of concentration, arranged by the School's Field Placement Office. SWRK 688/SWRK 689/SWRK 690 requires 500 hours of field placement scheduled at 16 hours per week, participation in weekly seminar, and completion of related assignments. The focus is on advanced specialized practice that empowers oppressed populations.

**Credit Hours:** 4 hrs

**Prerequisites:** department permission

**Concurrent Prerequisites:** SWRK 610 and SWRK 644 or SWRK 652 and SWRK 653 or SWRK 624

**Last Updated:** Links 06/2011

## **SWRK 689 - Field Experience IV**

Students are required to complete three consecutive semesters (fall, winter, spring) of advanced field placement in agency-based practice within their areas of concentration, arranged by the School's Field Placement Office. SWRK 688/SWRK 689/SWRK 690 requires 500 hours of field placement scheduled at 16 hours per week, participation in weekly seminar, and completion of related assignments. The focus is on advanced specialized practice that empowers oppressed populations.

**Credit Hours:** 4 hrs

**Prerequisites:** department permission

**Concurrent Prerequisites:** SWRK 610 and SWRK 644 or SWRK 652 and SWRK 653 or SWRK 624

**Last Updated:** Links 06/2011

## **SWRK 690 - Field Experience V**

Students are required to complete three consecutive semesters (fall, winter, spring) of advanced field placement in agency-based practice within their areas of concentration, arranged by the School's Field Placement Office. SWRK 688/SWRK 689/SWRK 690 requires 500 hours of field placement scheduled at 16 hours per week, participation in weekly seminar, and completion of related assignments. The focus is on advanced specialized practice that empowers oppressed populations.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Concurrent Prerequisites:** SWRK 610 and SWRK 644 or SWRK 652 and SWRK 653 or SWRK 624

**Last Updated:** Links 06/2011

## **SWRK 692 - Research Project**

Provides an opportunity for practitioners to gain research competencies that are both quantitative and qualitative. The completion of an action research project culminates the graduate experience.

**Credit Hours:** 2 hrs

**Prerequisites:** SWRK 630

**Last Updated:** Links 04/2011

## **SWRK 694 - Community Action Seminar**

This is a capstone course for integrating multidisciplinary courses with community building. Students design a community project and apply social work methods of community practice to complete it. The seminar's networking and collaboration supports the diverse community building activities of participants.

**Credit Hours:** 2 hrs

**Prerequisites:** SWRK 660

**Last Updated:** Links 06/2011

## **SWRK 697 - Independent Study**

Intensive study in areas not provided in other courses, or advanced study in areas of special interest to the student, under the direction of a social work faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **SWRK 698 - Independent Study**

Intensive study in areas not provided in other courses, or advanced study in areas of special interest to the student, under the direction of a social work faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **SWRK 699 - Independent Study**

Intensive study in areas not provided in other courses, or advanced study in areas of special interest to the student, under the direction of a social work faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

# **Military Science and Leadership Programs and Courses**

## **Military Science and Leadership (MSL)**

### **Liberal Studies**

#### **MLS 500 - Introduction to Interdisciplinary Technology**

An interdisciplinary overview of basic concepts and approaches to the study of technology and culture. Included are introductions to the philosophy of technology, history of technology, future studies and contemporary issues in technology.

**Credit Hours:** 3 hrs

**Class Restrictions:** Graduate standing

#### **MLS 501 - History of Technology**

An overview of major technical developments that have affected the course of human history. Emphasis is placed on the interrelationships of the technical to the sociocultural milieu.

**Credit Hours:** 4 hrs

**Class Restrictions:** Graduate standing

#### **MLS 590 - Special Topics**

Content will change from semester to semester. An experimental course for subject matter not yet provided in other program offerings. Students may elect this course more than once, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

#### **MLS 591 - Special Topics**

Content will change from semester to semester. An experimental course for subject matter not yet provided in other program offerings. Students may elect this course more than once, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

#### **MLS 592 - Special Topics**

Content will change from semester to semester. An experimental course for subject matter not yet provided in other program offerings. Students may elect this course more than once, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs



## **MLS 593 - Special Topics**

Content will change from semester to semester. An experimental course for subject matter not yet provided in other program offerings. Students may elect this course more than once, provided different topics are covered. Not more than six hours of special topics may be used on a degree program

**Credit Hours:** 4 hrs

## **MLS 597 - Independent Study**

Opportunities are provided for the selection and completion of an individual project under the direction of a University faculty member. An approved written proposal is required.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **MLS 598 - Independent Study**

Opportunities are provided for the selection and completion of an individual project under the direction of a University faculty member. An approved written proposal is required.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **MLS 599 - Independent Study**

Opportunities are provided for the selection and completion of an individual project under the direction of a University faculty member. An approved written proposal is required.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **MLS 601 - Multidisciplinary Seminar in Technology**

A multidisciplinary seminar, which explores different philosophic and discipline-based perspectives of technology around a special topic. Usual format is a lecture series with outside speakers held at a conference center. May be repeated for credit if course content is different.

**Credit Hours:** 2 hrs

## **MLS 602 - Contemporary Issues in Technology**

An in-depth examination of a particular issue (or set of related issues), usually of topical interest, related to technology and society. This course generally will take place in business and industry settings. May be repeated for credit if course content is different.

**Credit Hours:** 2 hrs

**Prerequisites:** MLS 500 or department permission.

**Last Updated:** Links 05/2011

## **MLS 679 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **MLS 681 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hr

**Prerequisites:** department permission

## **MLS 690 - Thesis**

A research based study conducted under the supervision of a University graduate faculty member and an approved graduate committee under the guidelines of the EMU Graduate Thesis Manual.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **MLS 691 - Thesis**

A research based study conducted under the supervision of a University graduate faculty member and an approved graduate committee under the guidelines of the EMU Graduate Thesis Manual.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **MLS 692 - Thesis**

A research based study conducted under the supervision of a University graduate faculty member and an approved graduate committee under the guidelines of the EMU Graduate Thesis Manual.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **MLS 697 - Independent Study**

Opportunities are provided for the selection and completion of an individual project under the direction of a University faculty member. An approved written proposal is required.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **MLS 698 - Independent Study**

Opportunities are provided for the selection and completion of an individual project under the direction of a University faculty member. An approved written proposal is required.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **MLS 699 - Independent Study**

Opportunities are provided for the selection and completion of an individual project under the direction of a University faculty member. An approved written proposal is required.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

# School of Engineering Technology Programs and Courses

## School of Engineering Technology

### Advanced Graduate

## Graduate/Advanced Graduate Certificate in Quality Management (QUAL)

Adviser: Walter Tucker, Ph.D.  
118 Sill Hall  
734.487.2040  
wtucker1@emich.edu

The Department offers Graduate Certificates in Quality for those who desire to obtain advanced skills in the quality field without obtaining a Master's degree. The Advanced Graduate Certificate is awarded to those possessing a Master's degree at the beginning of the Advanced Graduate Certificate program.

#### Admission Requirements

Applicants must:

1. Meet admission requirements of the Graduate School;
2. Possess a Bachelor's degree, Master's degree or Advanced Certificate;
3. Possess a minimum undergraduate GPA of 2.7;
4. Meet program prerequisite skill requirements; and
5. In the case of international students, meet the Graduate School test score requirements on the TOEFL, MELAB, or IELTS. See the Admissions web site for minimum scores.

#### Required Core Courses: 15 hours

- QUAL 546 - Total Quality Management 3 hrs
- QUAL 548 - Tools for Continuous Improvement 3 hrs
- QUAL 551 - Design of Experiments 3 hrs
- QUAL 552 - Quality Planning 3 hrs
- QUAL 559 - Cost of Quality 3 hrs

#### Required Quality Specialization: 3 hours

*\* Three hours from the following:*

- QUAL 549 - Problem Solving for Quality Improvement 2 hrs
- QUAL 550 - Advanced Statistical Process Control 3 hrs

- QUAL 553 - Geometric and Surface Texture Tolerancing 3 hrs
- QUAL 554 - Reliability, Maintainability and Product Safety 3 hrs
- QUAL 555 - Quality Auditing 3 hrs
- QUAL 556 - Human Aspects of Continuous Improvement 3 hrs
- QUAL 557 - Measuring Customer Satisfaction 3 hrs
- QUAL 568 - Lean Service Quality 3 hrs
- QUAL 651 - Design of Experiments II 3 hrs
- QUAL 652 - Multivariate Data Analysis 3 hrs
- QUAL 655 - Technical Six Sigma 3 hrs

**Program Total: 18 hours**

**Note:**

*\* Course selection subject to approval by your program adviser.*

## **Graduate Certificate**

### **Graduate Certificate in Coatings Technology (CT)**

Adviser: Vijay Mannari, Ph.D.  
 201A Sill Hall  
 734.487.1235  
 vmannari@emich.edu

#### **Goals and Objectives**

The overall goal of this program is to prepare a cadre of industrial professionals that are equipped with adequate knowledge and skills to effectively carry out routine projects/tasks within coatings and related industries, thereby enhancing employment potential and/or career advancement.

#### **Specific Program Outcomes**

Upon successful completion of the Graduate Certificate program the certificate holders will:

1. be able to demonstrate fundamental knowledge, skills and problem solving capabilities in the discipline of coatings and related fields;
2. be able to design, develop, implement, collect and analyze data and provide solutions to the routine industrial projects/tasks;
3. find appropriate employment in coatings and related industries. Those already employed in relevant industry will be able to carry out job functions more effectively.

### **Required Courses: 9 Hours**

- PC 571 - Testing and Evaluation of Coatings 3 hrs
- PC 581 - Fundamentals of Polymer Science and Coating Technology 3 hrs
- PC 682 - Enabling Technologies 3 hrs

### **Elective Courses: 6 hours**

Any two courses from the following:

- PC 582 - Principles of Coating Formulations 3 hrs
- PC 683 - Conventional and Alternative Coating Technologies 3 hrs
- PC 684 - Advanced Topics in Polymers and Coatings 3 hrs

**Certificate Total: 15 hours**

**Note:**

*Course selection subject to approval by program adviser.*

## **Graduate Certificate in Construction (CNS)**

Adviser: Bill Moylan, Ph.D.  
206 Roosevelt Hall  
734.487.2721  
wmoylan@emich.edu

The goal of this program is to assist those with an undergraduate degree in other than construction management and help them develop new career options in the construction industry. This program provides the adult learner with the knowledge base for understanding the management process of the construction industry including the initiating, planning, execution, control and close-out of construction projects.

This program is intended for individuals with a Bachelor's degree in a non-construction related field who wish to transition from their current area into the construction industry. Examples of interested adult learners include a) those from the automotive and manufacturing industries that are in career transition, b) current semi-professionals working in the construction industry who wish to formalize their knowledge and experiences, and c) future professionals who need the construction knowledge to augment their design-based undergraduate degree for improved job prospects.

**Required Courses: 9 hours**

- CNST 505 - Project and Program Management 3 hrs
- CNST 511 - Construction Project Planning and Estimating 3 hrs
- CNST 512 - Construction Project Scheduling and Control 3 hrs

**Electives: 6 hours**

*Any combination of additional Construction Management courses (MSCM level of 500/600 level, and/or BSCM 400 level undergraduate courses taken for graduate credit), which total a minimum of 6 credit hours.*

**Elective Graduate-Level Courses:**

- CNST 503 - Construction Delays and Claims 2 hrs
- CNST 592 - Special Topics 3 hrs
- CNST 645 - Occupational Safety and Health 2 hrs

## Elective Undergraduate-Level Courses Available for Graduate Credit:

- CNST 403 - Production Control 2 hrs
- CNST 406 - Construction Law 3 hrs
- CNST 426 - Mechanical and Electrical Construction Applications 3 hrs
- CNST 440 - LEED for New Construction and Major Renovations 3 hrs
- CNST 450 - Fundamentals of Construction Project Management 3 hrs

Program Total: 15 hours

## Graduate Certificate in Project Leadership (CPL)

Adviser: Bill Moylan, Ph.D.  
118 Sill Hall  
734.487.2721  
wmoylan@emich.edu

The Graduate Certificate in Project Leadership is intended to meet the challenges of professional workforce development, continuing education, and career planning. This program is for individuals with a Bachelor's degree who wish to update their knowledge and skills on the leadership and management of projects, programs and portfolios within their respective industry or business line, expand their knowledge of professional project management, and improve their current abilities within a professional field.

This program will assist adult learners in obtaining Project Management Professional (PMP) Certification through the Project Management Institute (PMI). For those who presently have their PMP Certification, the Graduate Certificate in Project Leadership will afford the individual at least 225 Professional Development Units (PDU) toward their Continuing Certification Requirements (CCR).

Upon completion of the 15+ graduate level credit hours in project management or related graduate courses for the Project Leadership program, the adult learner may consider continuing their graduate study at EMU to complete a Master of Science degree. Potential graduate programs include Education Leadership, Engineering Management, Quality, Public Administration, and Construction Management, to cite a few.

## Required Courses: 9 hours

- CNST 505 - Project and Program Management 3 hrs
- EM 520 - Engineering Value and Economic Analysis 3 hrs
- QUAL 546 - Total Quality Management 3 hrs

## Restricted Elective Requirements: 6 hours

*Students choose a minimum of six credit hours from the following:*

- CNST 590 - Special Topics on Professionalism in Project Management or other 500- or 600-level graduate course(s) related to project ethics and professional conduct
- CTAC 500- or 600-level technical communication course(s) related to leadership and management of project teams
- MGMT 500- or 600-level human resources course(s) related to the leadership and management of project teams

Certificate Total: 15 hours

## Graduate Certificate in Sustainable Construction

Adviser: Bill Moylan, Ph.D.  
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734.487.2721  
wmoylan@emich.edu

The goal of this program is to assist those with an undergraduate degree in a construction related area (e.g. Construction Management, Architecture, and Engineering) to update their skills in the emerging, critical area of sustainability in construction and design. This will help these current construction professionals develop new career options in the construction industry. The program provides the adult learner with the knowledge base for understanding the management processes of the construction industry related to sustainability, including the initiating, planning, execution, control and close-out of "green" construction projects.

The Graduate Certificate in Sustainable Construction program is intended for individuals with a Bachelor's degree in a construction related field who wish to update and improve their knowledge and skills on the "cutting edge" topics related to sustainable construction. Examples of interested adult learners include a) those with experience in the construction and design fields that are in career transition, b) current professionals working in the construction or design who wish to update their knowledge and experiences and obtain the associated continuing education units, and c) future professionals who need the sustainable construction knowledge to augment their design-based undergraduate degree for improved job prospects.

### Required Courses: 9 hours

- CNST 616 - Analysis of Commercial Structures 3 hrs
- CNST 624 - Project Productivity and Cost Control 3 hrs
- CNST 630 - Research on Construction Processes 3 hrs

### Electives Requirement: 6 hours

Any combination of additional Construction Management courses (MSCM level of 500/600 level, and/or BSCM 400 level undergraduate courses taken for graduate credit), which total a minimum of 6 credit hours.

### Elective Graduate-Level Courses:

- CNST 503 - Construction Delays and Claims 2 hrs
- CNST 505 - Project and Program Management 3 hrs
- CNST 511 - Construction Project Planning and Estimating 3 hrs
- CNST 512 - Construction Project Scheduling and Control 3 hrs
- CNST 592 - Special Topics 3 hrs
- CNST 645 - Occupational Safety and Health 2 hrs
- CNST 648 - Principles of Construction Technology 2 hrs

### Elective Undergraduate-Level Courses Available for Graduate Credit:

- CNST 440 - LEED for New Construction and Major Renovations 3 hrs



Certificate Total: 15 hours

## Master's

### Master of Science in Computer Aided Engineering (CAE)

Adviser: Tony Fukuo Shay, Ph.D.  
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734.487.2040  
tshay@emich.edu

The Computer Aided Engineering program at Eastern Michigan University places a strong emphasis on preparing engineers with competent backgrounds in the engineering principles and utilizing the computer-based tools and techniques for all engineering functions and processes.

The curriculum is designed to train the individual to apply knowledge in mechanical engineering, engineering analysis, product design, automated manufacturing, CAD/CAM/CAE, and renewable energy engineering systems using computer aided engineering tools. To facilitate this, students in the program will be exposed to the nature of engineering environment through courses related to engineering design and analysis principles, and renewable energy engineering applications.

The program offers graduate work leading to the Master of Sciences degree in Computer Aided Engineering (MS/CAE). The M.S. program has three tracks: Design and Analysis, Renewable Energy, and Thesis. The thesis track is intended for students who are research-oriented. The other two non-thesis tracks do not involve research although students are encouraged to include capstone projects in their courses.

#### Admission Requirements

##### Full Admissions

Applicants must:

1. Meet degree admission requirements of the Graduate School. In addition, the applicant should submit a personal statement, a resume and three recommendation letters. GRE score is not required.
2. Have a Baccalaureate from an accredited institution;
3. Have an undergraduate GPA of at least 2.75;
4. Meet program prerequisite skill requirements; and
5. In the case of international students, meet graduate school test score requirements on the TOEFL and TWE, the MELAB, or the IELTS. See the Admissions Website for minimum scores or find the answers.

##### Conditional Admissions

Conditional admissions may be granted to otherwise qualified students who:

- Lack prerequisite courses,
- Have an undergraduate GPA less than 2.75,
- Are not meeting TOEFL/English test requirements, or
- Are currently in the last semester of their undergraduate degree program.

## CAE Core Requirements: 14 hours

- CAE 503 - Advanced CNC and Robotics 2 hrs
- CAE 527 - Engineering Software Development 2 hrs
- CAE 535 - Computer-Aided Engineering 2 hrs
- CAE 537 - Advanced Mechanics of Materials 2 hrs
- CAE 545 - Engineering Simulation 2 hrs
- CAE 585 - Advanced Finite Element Analysis 2 hrs
- CAE 675 - CAE Capstone 2 hrs

## Choose one Track option from the following:

### Option I: Thesis Track

#### Additional Thesis Track Requirements: 7 hours

- CAE 565 - Mechanical System Design 2 hrs
- CAE 650 - Computer-Aided Manufacturing 2 hrs
- QUAL 647 - Research Methods 3 hrs

### Restricted Elective Courses: 4-6 hours

*Two courses from the following selected in consultation with the graduate adviser:*

- CAE 552 - Geometric Dimensioning and Tolerancing for Engineering Design 2 hrs
- CAE 567 - Plastics, Materials and Processes 2 hrs
- CAE 575 - Advanced Engineering Dynamics 2 hrs
- CAE 625 - Plastics Mold Design and Manufacturing 2 hrs
- EM 636 - Analysis of Manufacturing Processes 3 hrs
- EM 649 - Manufacturing Process Planning 3 hrs
- QUAL 556 - Human Aspects of Continuous Improvement 3 hrs

### Thesis: 6 hours

*Six hours from the following:*

- CAE 690 - Development Project/Thesis 1 hr
- CAE 691 - Development Project/Thesis 2 hrs
- CAE 692 - Development Project/Thesis 3 hrs

## Program Total: 31-33 hours

### Option II: Design and Analysis Track

#### Additional Design and Analysis Track Requirements: 16 hours

- CAE 552 - Geometric Dimensioning and Tolerancing for Engineering Design 2 hrs
- CAE 565 - Mechanical System Design 2 hrs
- CAE 567 - Plastics, Materials and Processes 2 hrs
- CAE 575 - Advanced Engineering Dynamics 2 hrs
- CAE 586 - Computational Flow Simulation 2 hrs
- CAE 625 - Plastics Mold Design and Manufacturing 2 hrs
- CAE 650 - Computer-Aided Manufacturing 2 hrs
- REE 553 - Thermal Systems Design 2 hrs

## Restricted Elective Courses: 4 hours

*Two courses from the following:*

- REE 554 - Solar Electricity System 2 hrs
- REE 555 - Wind Turbine Design, Construction and Testing 2 hrs
- REE 556 - Biomass 2 hrs
- REE 557 - Geothermal Engineering 2 hrs
- REE 558 - Fuel Cell Applications and Design 2 hrs
- REE 559 - Energy System Control 2 hrs
- REE 569 - Renewable Energy Projects 2 hrs

**Program Total: 34 hours**

## Option III: Renewable Energy Track

### Additional Renewable Energy Track Requirements: 16 hours

- REE 553 - Thermal Systems Design 2 hrs
- REE 554 - Solar Electricity System 2 hrs
- REE 555 - Wind Turbine Design, Construction and Testing 2 hrs
- REE 556 - Biomass 2 hrs
- REE 557 - Geothermal Engineering 2 hrs
- REE 558 - Fuel Cell Applications and Design 2 hrs
- REE 559 - Energy System Control 2 hrs
- REE 569 - Renewable Energy Projects 2 hrs

## Restricted Elective Courses: 4 hours

*Two courses from the following:*

- CAE 552 - Geometric Dimensioning and Tolerancing for Engineering Design 2 hrs
- CAE 567 - Plastics, Materials and Processes 2 hrs
- CAE 575 - Advanced Engineering Dynamics 2 hrs
- CAE 586 - Computational Flow Simulation 2 hrs
- CAE 625 - Plastics Mold Design and Manufacturing 2 hrs
- CAE 650 - Computer-Aided Manufacturing 2 hrs
- REE 563 - Advanced Wind Turbine Design and Analysis 2 hrs

- REE 568 - Renewable Energy for Developing Countries 2 hrs

Program Total: 34 hours

## Master of Science in Construction Management (CM)

Adviser: Bill Moylan, Ph.D.  
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734.487.2721  
wmoylan@emich.edu

### Course Requirements

The M.S. program in Construction Management requires the completion of 30 hours of course work to be distributed among required core courses and University elective courses.

#### Core courses: 18 hours

- CNST 511 - Construction Project Planning and Estimating 3 hrs
- CNST 512 - Construction Project Scheduling and Control 3 hrs
- CNST 505 - Project and Program Management 3 hrs
- CNST 616 - Analysis of Commercial Structures 3 hrs
- CNST 624 - Project Productivity and Cost Control 3 hrs
- CNST 630 - Research on Construction Processes 3 hrs

#### Elective Courses: 4-8 hours

*Four to eight hours from the following:*

- CNST 503 - Construction Delays and Claims 2 hrs
- CNST 590 - Special Topics 1 hr
- CNST 591 - Special Topics 2 hrs
- CNST 592 - Special Topics 3 hrs
- CNST 597 - Independent Study 1 hr
- CNST 598 - Independent Study 2 hrs
- CNST 599 - Independent Study 3 hrs
- CNST 645 - Occupational Safety and Health 2 hrs
- CNST 648 - Principles of Construction Technology 2 hrs
- CNST 679 - Special Topics 1 hr
- CNST 680 - Special Topics 2 hrs
- CNST 681 - Special Topics 3 hrs
- CNST 682 - Workshop 1 hr
- CNST 683 - Workshop 2 hrs
- CNST 684 - Workshop 3 hrs
- CNST 685 - Workshop 4 hrs
- CNST 689 - Industrial Internship 2 hrs

- CNST 690 - Development Project/Thesis 1 hr
- CNST 691 - Development Project/Thesis 2 hrs
- CNST 692 - Development Project/Thesis 3 hrs
- CNST 693 - Seminar 1 hr
- CNST 694 - Seminar 2 hrs
- CNST 695 - Seminar 3 hrs
- CNST 697 - Independent Study 1 hr
- CNST 698 - Independent Study 2 hrs
- CNST 699 - Independent Study 3 hrs

## Cognate Courses: 8-12 hours

*500- and 600-level nonconstruction management graduate courses, with adviser approval.*

## Program Total: 30 hours

## Prerequisite Skills (dependent on student's admission status)

- CNST 201 - Construction Systems 3 hrs
- CNST 229 - Analysis of Commercial Prints 3 hrs
- CNST 302 - Contract Documents, Regulations and Specifications 3 hrs
- CNST 304 - Construction Estimating and Bidding 3 hrs
- CNST 361 - Planning and Scheduling 3 hrs
- CNST 403 - Production Control 2 hrs
- CNST 406 - Construction Law 2 hrs
- CNST 450 - Fundamentals of Construction Project Management 3 hrs

## **Master of Science in Engineering Management (EGMT)**

Adviser: Muhammad Sohail Ahmed, Ph.D.

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The M.S. in Engineering Management program is appropriate for a wide range of industrial and/or technically-focused individuals who have previously earned a four-year degree in technology, business, engineering or science. It meets the needs of technical professionals who are looking for both an advanced degree and appropriate preparation for their natural progression into management-level positions. It also meets the needs of professionals who are on a technical, rather than managerial, career track, as it will help them to be more effective in managing the integration of their technically-focused jobs with others in team-based projects. Our program particularly fits the needs of busy professionals working in business, industry, and the military who may be located anywhere in the world, by being available completely online, as well as on the EMU campus.

The E.M. program focuses on management of technology and intellectual property; research and development; engineering and technical projects; design and manufacturing; people, resources and organizations; quality; and lean enterprise systems. Knowledge in these areas helps technical specialists to do their current jobs better and provides solid preparation and an advanced degree for promotion to management levels.

In addition to earning an advanced degree, many of our E.M. students attain professional certification in one or more specialty areas of Engineering Management. The program offers tracks and focused courses that help students (with appropriate experience and credentials) attain several internationally-recognized professional certifications. These certifications include (a) S.M.E.'s Certified Engineering Manager (C.E.M.), Certified Enterprise Integrator (C.E.I.), Certified Manufacturing Technologist (C.Mfg.T.), and Certified Manufacturing Engineer (C.Mfg.E.); (b) P.M.I.'s Certified Associate in Project Management (C.A.P.M.) and Project Management Professional (P.M.P.); and (c) S.M.E.'s Lean Certifications. The program also offers a track for attaining EMU's Graduate Quality Certificate.

The specialty tracks of the program facilitate preparation for passing the examinations for the professional certifications noted above, and include:

1. Research and Development
2. Design and Manufacturing
3. Project/Program Management
4. Lean Enterprise Systems
5. EMU Graduate Quality Certificate

The Research and Development track is a 36-credit-hour program and requires the completion of a research-based formal development project or thesis. The Design and Manufacturing, Project/Program Management, Lean Enterprise Systems, and Quality tracks require course work only, and are 39-credit-hour programs.

## Admission Requirements

### Full Admission

Applicants must:

1. Meet the degree admission requirements of the Graduate School;
2. Have an undergraduate GPA of at least 2.5;
3. Have a technical- or industrial-related undergraduate degree (i.e., science, engineering, technology, or business);
4. In the case of international students, meet the University and program TOEFL requirements before being accepted into the program. See the admissions website at [www.emich.edu/admissions](http://www.emich.edu/admissions) for specific minimum TOEFL score requirements.

Demand for the program is very high. Admission is competitive, with top applicants selected upon periodic review of the pool of applicants submitted to EMU.

### Pre-Admission

Students with a Bachelor's degree may enroll in a limited number of graduate courses through Extended Programs and Educational Outreach prior to degree admission.

### Conditional Admission

Conditional admission status may be granted in special cases, such as to students who are currently in the last year of their undergraduate program. Conditional admission may also be granted to students who have graduated from a non-accredited

institution, or who may have earned an undergraduate GPA of less than 2.5. Such students may seek degree admission after completing nine hours of graduate level work, as specified by the department, with a 3.0 GPA.

## Core EM Program Requirements: 21 hours

- EM 505 - Managing Engineering and Technology 3 hrs
- EM 509 - Engineering Project Management 3 hrs
- EM 520 - Engineering Value and Economic Analysis 3 hrs
- EM 540 - Engineering Resource Management 3 hrs
- EM 570 - Patents and Engineering Law 3 hrs
- EM 580 - Engineering and Enterprise Integration 3 hrs
- EM 695 - Seminar 3 hrs

## Select from one of the following Tracks:

### Track I: Research and Development: 17-18 hours

*Choose one of the following Track Options:*

#### Track I: Option I: Thesis: 17 hours

- EM 547 - Management of Research, Development and Technology 3 hrs
- EM 620 - Integrated Product and Process Design 3 hrs
- EM 691 - Thesis/Development Project 2 hrs
- EM 692 - Thesis/Development Project 3 hrs
- QUAL 647 - Research Methods 3 hrs

One course from the following:

- QUAL 551 - Design of Experiments 3 hrs
- QUAL 557 - Measuring Customer Satisfaction 3 hrs
- QUAL 651 - Design of Experiments II 3 hrs

#### Track I: Option II: Development Project: 18 hours

- EM 547 - Management of Research, Development and Technology 3 hrs
- EM 620 - Integrated Product and Process Design 3 hrs
- EM 690 - Thesis/Development Project 1 hr
- EM 691 - Thesis/Development Project 2 hrs
- QUAL 647 - Research Methods 3 hrs

Two courses from the following:

- QUAL 551 - Design of Experiments 3 hrs
- QUAL 557 - Measuring Customer Satisfaction 3 hrs
- QUAL 651 - Design of Experiments II 3 hrs

## Track II: Design and Manufacturing Track: 18 hours

- EM 511 - Manufacturing Engineering Fundamentals 3 hrs
- EM 558 - Lean Production 3 hrs
- EM 620 - Integrated Product and Process Design 3 hrs
- EM 636 - Analysis of Manufacturing Processes 3 hrs
- EM 649 - Manufacturing Process Planning 3 hrs
- EM 670 - Design for Manufacture and Assembly 3 hrs

## Track III: Project/Program Management: 18 hours

- EM 519 - Applied Engineering Project Management 3 hrs
- EM 547 - Management of Research, Development and Technology 3 hrs
- EM 556 - Lean Systems Team Management 3 hrs
- EM 609 - Professional Project Management 3 hrs
- EM 620 - Integrated Product and Process Design 3 hrs
- EM 649 - Manufacturing Process Planning 3 hrs

## Track IV: Lean Enterprise Systems: 18 hours

- EM 556 - Lean Systems Team Management 3 hrs
- EM 558 - Lean Production 3 hrs
- EM 620 - Integrated Product and Process Design 3 hrs
- EM 649 - Manufacturing Process Planning 3 hrs
- EM 659 - Advanced Lean Systems 3 hrs
- EM 669 - Lean Leadership Standards and Integration 3 hrs

## Track V: EMU Quality Certificate: 18 hours

The EMU Graduate Quality Certificate track requires separate admission into the Graduate Quality Certificate program, in addition to admission into the Engineering Management masters degree program, and completion of 18 credit hours of Quality courses. For more information, see the description of specific program requirements in the Quality Certificate section of the Graduate Catalog.

**Program Total: 38-39 hours**

## **Master of Science in Interior Design (IDE)**

Adviser: Shinming Shyu, Ph.D.  
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The Master of Science in Interior Design program provides opportunities for students to develop the conceptual understanding, analytical and research skills, and technological competence required for advanced study or design practice. Whereas the undergraduate degree is generalist in character, facilitating development of entry-level expertise in many design domains, the Master's degree is specialist in character, enabling the graduate to develop expertise in a particular domain (e.g., healthcare,



residential, restaurant, office, retail, etc.). Students work with their adviser to plan a program of study that uses their undergraduate course work and professional practice as a foundation for development of expertise in a design domain of interest to an individual student.

### **Admission Requirements**

Applicants must:

1. Meet the Graduate School admission requirements;
2. Have a 2.75 or better undergraduate GPA;
3. Have earned a Bachelor of Art or Bachelor of Science degree in interior design or equivalent from an accredited institution;
4. Submit a one-page statement indicating personal goals for graduate study in interior design;
5. Receive the recommendation of the interior design graduate program director;
6. In case of international students, meet the Graduate School score requirements on the TOEFL, MELAB, or IELTS and achieve a score of 5 on the essay. See EMU Admissions web site for minimum scores.
7. With permission of the Interior Design Graduate Program, students who do not hold a B.A. or B.S. degree in interior design may earn the Master's of Science in Interior Design as the first professional degree by successfully completing identified undergraduate deficiencies and graduate program requirements. An individualized program of study identifying required undergraduate and graduate courses is developed for each student prior to first semester enrollment; completion of these deficiencies is a requirement for graduation.

## **Course Requirements**

The Master of Science degree in Interior Design requires the completion of 30 hours of graduate course work divided into required courses, supporting interior design courses, cognate courses and thesis/project courses.

### **Required Course: 6 hours**

- IDE 501 - Problems in Interior Design 2 hrs
- IDE 508 - Universal and Barrier-Free Design 2 hrs
- IDE 601 - Interior Design Research Methods 2 hrs

### **Supporting Courses: 10-18 hours**

*10 to 18 hours from the following:*

- IDE 502 - Facility Programming and Post-occupancy Evaluation 2 hrs
- IDE 503 - Physical Environments for Aging 2 hrs
- IDE 504 - Computer-Aided Design for Interiors 2 hrs
- IDE 590 - Special Topics 1 hr
- IDE 591 - Special Topics 2 hrs
- IDE 592 - Special Topics 3 hrs
- IDE 597 - Independent Study 1 hr

- IDE 598 - Independent Study 2 hrs
- IDE 599 - Independent Study 3 hrs
- IDE 603 - History of Furniture and Contemporary Trends 2 hrs
- IDE 604 - American Interiors 2 hrs
- IDE 607 - Colloquium 2 hrs
- IDE 679 - Special Topics 2 hrs
- IDE 680 - Special Topics 2 hrs
- IDE 681 - Special Topics 2 hrs
- IDE 683 - Workshop 2 hrs
- IDE 686 - Practicum 1 hr
- IDE 687 - Practicum 2 hrs
- IDE 688 - Practicum 3 hrs
- IDE 689 - Practicum 4 hrs
- IDE 697 - Independent Study 1 hr
- IDE 698 - Independent Study 2 hrs
- IDE 699 - Independent Study 3 hrs

**Cognate Courses (courses taken outside the department): 2-10 hours**

### Required Course

- EDPS 621 - Statistical Applications in Educational Research 2 hrs

### Supporting Courses

*Additional courses selected in consultation with the graduate adviser*

### Deficiencies

*Courses determined in consultation with program adviser and completed prior to placement on planned program. Not counted in semester hours for master's degree but are instead additional hours required for academic course deficiencies.*

### Culminating Experience: 6 hours

- IDE 690 - Thesis/Project III 1 hr
- IDE 691 - Thesis/Project I 2 hrs
- IDE 692 - Thesis/Project II 3 hrs

**Program Total: 30 hours**

## **Master of Science in Polymers and Coatings Technology (PLT)**

Adviser: Vijay Mannari, Ph.D.  
118 Sill

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vmannari@emich.edu

This program prepares chemists for employment in the coatings industry or for further study at the doctoral level. This interdisciplinary program utilizes courses from various departments. A committee composed of faculty from chemistry and the polymers and coatings program functions as the graduate committee for the program.

### **Admission Requirements**

Applicants must:

1. Meet degree admission requirements of the Graduate School;
2. Possess an ACS-approved Bachelor's degree in chemistry (minimum 24 hours in chemistry), or equivalent;
3. Have had one year of physical chemistry;
4. Have had one year of organic chemistry; and
5. Have had an instrumentation class.

*Note:*

*Exceptions can be made for students who pass approved undergraduate course(s) at Eastern Michigan University.*

## Course Requirements

The M.S. program in Polymer Technology requires the completion of 30 to 34 hours of course work to be distributed among required core courses, concentration courses and capstone experience courses:

### Core courses: 12 hours

*12 hours from the following:*

- CHEM 562 - Statistical Mechanics and Chemical Kinetics 2 hrs
- CHEM 572 - Spectrometric Organic Structure Determination 3 hrs
- CHEM 610 - Information Retrieval in Chemistry 1 hr
- CHEM 665 - Physical Chemistry of Polymers 2 hrs
- CHEM 675 - Advanced Organic Polymer Chemistry 3 hrs
- PC 543 - Advanced Polymer Synthesis for Coatings Technology 2 hrs
- PC 544 - Waterborne Coatings 2 hrs
- PC 574 - Crosslinking Technology for Coatings 2 hrs
- PC 650 - Powder Coatings 2 hrs
- PC 652 - Durability and Performance of Coatings 3 hrs

### Concentration courses: 12 hours

*Select from either option I or option II:*

#### Option I: Coatings Concentration

- \* PC 400 - Polymers and Coatings Technology I 3 hrs

- \* PC 401 - Polymers and Coatings Technology I Laboratory 3 hrs
- \* PC 402 - Polymers and Coatings Technology II 3 hrs
- PC 503 - Advanced Polymers and Coatings Technology Laboratory 3 hrs

## Option II: Management Concentration

- MGMT 505 - Organizational Theory and Behavior 3 hrs
- MGMT 509 - Strategic Human Resource Management 3 hrs
- MGMT 604 - Strategic Communication and Ethical Decision-Making 3 hrs
- TM 555 - Technology and Organization 3 hrs

## Capstone experience courses: 0-6 hours

*Select up to six hours from special topics or other graduate courses or from other courses with adviser approval.*

- PC 570 - Coating Evaluation and Testing 2 hrs
- PC 591 - Special Topics 2 hrs
- PC 592 - Special Topics 3 hrs
- QUAL 551 - Design of Experiments 3 hrs

## Research or Independent Studies: 4-6 hours

*\*\* Select from either option I or option II:*

### Option I:

- PC 697 - Independent Study 1 hr
- PC 698 - Independent Study 2 hrs
- PC 699 - Independent Study 3 hrs

### Option II:

- PC 690 - Thesis 1 hr
- PC 691 - Thesis 2 hrs
- PC 692 - Thesis 3 hrs

## Program Total: 30-34 hours

## Notes:

*\* Students who have taken the 400-level courses in their undergraduate studies may choose Option II or select courses from core concentration or capstone experience.*

*\*\* A non-thesis option may be elected by students from industry on the recommendation of the graduate advisery committee.*

# Master of Science in Quality Management (QULM)

Adviser: Walter Tucker, Ph.D.  
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wtucker1@emich.edu

## Admission Requirements

Applicants must:

1. Meet admission requirements of the Graduate School;
2. Possess a Baccalaureate (Master's degree or Advanced Certificate);
3. Possess a minimum undergraduate GPA of 2.5;
4. In the case of international students, meet the Graduate School test score requirements on the TOEFL, MELAB, or IELTS. See the Admissions web site for minimum scores.

## Graduation Requirement

In order to graduate with the Master of Science in Quality Management, students must have an overall 3.2 GPA.

## Course Requirements

The M.S. program in Quality Management requires the completion of 30 hours of course work to be distributed among required core courses and adviser approved quality specialization courses.

## One Program of Study option from the following:

### Option I: Course Work

#### Core Courses: 15 hours

- QUAL 546 - Total Quality Management 3 hrs
- QUAL 548 - Tools for Continuous Improvement 3 hrs  
Appropriate for those students who have never taken basic statistics and/or statistical process control (SPC)
- QUAL 551 - Design of Experiments 3 hrs
- QUAL 552 - Quality Planning 3 hrs
- QUAL 559 - Cost of Quality 3 hrs

#### Quality Concentration: 21 hours minimum

- QUAL 550 - Advanced Statistical Process Control 3 hrs
- QUAL 553 - Geometric and Surface Texture Tolerancing 3 hrs
- QUAL 554 - Reliability, Maintainability and Product Safety 3 hrs
- QUAL 555 - Quality Auditing 3 hrs
- QUAL 556 - Human Aspects of Continuous Improvement 3 hrs
- QUAL 557 - Measuring Customer Satisfaction 3 hrs
- QUAL 568 - Lean Service Quality 3 hrs

- QUAL 651 - Design of Experiments II 3 hrs
- QUAL 652 - Multivariate Data Analysis 3 hrs
- QUAL 655 - Technical Six Sigma 3 hrs

Program Total: 36 hours

## Option II: Research

Core Courses: 15 hours

- QUAL 546 - Total Quality Management 3 hrs
- QUAL 548 - Tools for Continuous Improvement 3 hrs  
Appropriate for those students who have never taken basic statistics and/or statistical process control (SPC)
- QUAL 551 - Design of Experiments 3 hrs
- QUAL 552 - Quality Planning 3 hrs
- QUAL 559 - Cost of Quality 3 hrs

Quality Concentration: 6-9 hours minimum (based on project vs. thesis option)

- QUAL 550 - Advanced Statistical Process Control 3 hrs
- QUAL 553 - Geometric and Surface Texture Tolerancing 3 hrs
- QUAL 554 - Reliability, Maintainability and Product Safety 3 hrs
- QUAL 555 - Quality Auditing 3 hrs
- QUAL 556 - Human Aspects of Continuous Improvement 3 hrs
- QUAL 557 - Measuring Customer Satisfaction 3 hrs
- QUAL 568 - Lean Service Quality 3 hrs
- QUAL 651 - Design of Experiments II 3 hrs
- QUAL 652 - Multivariate Data Analysis 3 hrs
- QUAL 655 - Technical Six Sigma 3 hrs

Capstone: 6-9 hours

*QUAL 690 and QUAL 692 are required for a project; QUAL 690, QUAL 691, QUAL 692 are required for a thesis.*

- QUAL 647 - Research Methods 3 hrs  
Required for all students
- QUAL 690 - Development Project/Thesis 1 hr
- QUAL 691 - Development Project/Thesis 2 hrs
- QUAL 692 - Development Project/Thesis 3 hrs

Program Total: 30 hours

## Computer-Aided Engineering

**CAE 503 - Advanced CNC and Robotics**

Study of computer numerical control technology in machining and robotics. Conversion of part descriptions to numerical control programs for mill, lathe and three-axis machining centers. Robotics programming and CAD/CAM/CNC programming for producing the instruction codes necessary to manufacture parts with NC machine tools are emphasized. Verification of the computer assisted CNC and robotics programs will be accomplished in the laboratory.

**Credit Hours:** 2 hrs

**Last Updated:** 06/2010; effective Winter 2011

## **CAE 527 - Engineering Software Development**

This course introduces software tools and programming techniques used by engineers. It is intended for anyone involved in engineering design, analysis and software development. Engineering software developments related to real life applications are included.

**Credit Hours:** 2 hrs

**Last Updated:** 06/2010; effective Winter 2011

## **CAE 535 - Computer-Aided Engineering**

This course provides the necessary knowledge to use a computer as a tool for engineering calculation, analysis and design. Theoretical development and procedure of finite element method are presented. CAE packages and other engineering software will be utilized.

**Credit Hours:** 2 hrs

## **CAE 537 - Advanced Mechanics of Materials**

This course covers advanced knowledge of mechanics of materials. The emphasis will be given to the practical treatments of stress, strain, deformation, thin shells, thick-walled vessels, flexural stresses, theory of failure and contact stresses that are important in engineering design.

**Credit Hours:** 2 hrs

**Last Updated:** 06/2010; effective Winter 2011

## **CAE 545 - Engineering Simulation**

This course introduces engineering software tools and techniques for computer modeling and simulation of mechanical components and systems. It is intended for anyone involved in engineering design, modeling, simulation and analysis. Supporting processes from concept to final product using CAD/CAE solutions are included.

**Credit Hours:** 2 hrs

**Last Updated:** 06/2010; effective Winter 2011

## **CAE 552 - Geometric Dimensioning and Tolerancing for Engineering Design**

This course presents a study of geometric dimensioning and tolerancing (GD&T) and its application in engineering design. Functional gauge and tolerancing calculation to verify GD&T specification is introduced and design project using CAD software is included.

**Credit Hours:** 2 hrs

**Repeatable:** No

**Last Updated:** New Course 08/2011, effective Fall 2011

### **CAE 565 - Mechanical System Design**

A study of mechanical system design. Emphasis on integrating strength of materials, failure theories, kinematics, mechanisms, component analysis and design, and product analysis to develop functional and safe mechanical systems.

**Credit Hours:** 2 hrs

**Last Updated:** 06/2010; effective Winter 2011

### **CAE 567 - Plastics, Materials and Processes**

A study of industrial plastics materials and manufacturing processes. The course emphasizes physical testing techniques and the utilization of processing equipment to create materials for testing. Students will investigate amorphous and semicrystalline thermoplastics in injection molding, extrusion, thermoforming and blow molding processes.

**Credit Hours:** 2 hrs

**Class Restrictions:** Senior standing; Junior standing for honor students only

**Last Updated:** 06/2010; effective Winter 2011

### **CAE 575 - Advanced Engineering Dynamics**

This course presents the foundations and applications of dynamics by emphasizing the importance of visual analysis of topics — especially through the use of free body diagrams. It also promotes a problem-solving approach to solving through its strategy, solution and discussion format in examples. It also includes design and computational examples.

**Credit Hours:** 2 hrs

### **CAE 585 - Advanced Finite Element Analysis**

The study of the application aspects of employing FEA as a significant aid in the design and analysis processes. Topics will center on the practical considerations associated with the use of FEA packages in heat transfer, stress and strain analysis, and vibration analysis.

**Credit Hours:** 2 hrs

**Last Updated:** 06/2010; effective Winter 2011

### **CAE 586 - Computational Flow Simulation**

The study of the application aspects of employing computational flow simulation software as a significant tool in the design and analysis processes. Topics will center on the practical considerations associated with the use of software packages in setting up the project, initializing the mesh, selecting the boundary conditions, achieving the convergence, and interpreting the results.

**Credit Hours:** 2 hrs

**Last Updated:** New Course 08/2011, effective Fall 2011

### **CAE 590 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special



topics may be used on a degree program.

**Credit Hours:** 1 hrs

**Prerequisites:** department permission

### **CAE 591 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **CAE 592 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **CAE 597 - Independent Study**

Opportunities are provided for the selection and completion of an individual study under the direction of a University faculty member. An approved written proposal is required. Both "independent study" and "research proposal format" guideline sheets are available from the department.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **CAE 598 - Independent Study**

Opportunities are provided for the selection and completion of an individual study under the direction of a University faculty member. An approved written proposal is required. Both "independent study" and "research proposal format" guideline sheets are available from the department.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **CAE 599 - Independent Study**

Opportunities are provided for the selection and completion of an individual study under the direction of a University faculty member. An approved written proposal is required. Both "independent study" and "research proposal format" guideline sheets are available from the department.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **CAE 625 - Plastics Mold Design and Manufacturing**

A study of the principles of mold design for a variety of plastics mold processes. The course includes mold materials, stress and strength calculations, heat transfer predictions, machining, fabricating and testing in processing equipment.

**Credit Hours:** 2 hrs

**Last Updated:** 06/2010; effective Winter 2011

### **CAE 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through Continuous Enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **CAE 650 - Computer-Aided Manufacturing**

The use of the computer in planning manufacturing operations, solving manufacturing and related problems, and controlling manufacturing processes for batch and continuous production.

**Credit Hours:** 2 hrs

### **CAE 675 - CAE Capstone**

An integration of various aspects of product and project design, engineering analysis and manufacturing. Emphasis on mechanical design using failure theories, kinematics and mechanisms design, FEA analysis, dynamic analysis, manufacturing processes, as well as CNC programming and machining for development a project.

**Credit Hours:** 2 hrs

**Prerequisites:** CAE 527, CAE 535, CAE 537, and CAE 585

**Last Updated:** Prerequisite Change 08/2011, effective Fall 2011

### **CAE 679 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **CAE 680 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **CAE 681 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **CAE 684 - Workshop**

Students will be provided practical and theoretical study in a selected topic area.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **CAE 689 - Industrial Internship**

A field study of industrial theory and practice through internship experiences with cooperating industries. Designed for students desiring experiences beyond those obtained in their previous or present employment.

**Credit Hours:** 2 hrs

### **CAE 690 - Development Project/Thesis**

A theory application project conducted under the supervision of an adviser and departmental graduate committee.

**Credit Hours:** 1 hr

**Prerequisites:** department permission and 12 hours in one's graduate concentration

### **CAE 691 - Development Project/Thesis**

A theory application project conducted under the supervision of an adviser and departmental graduate committee.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission and 12 hours in one's graduate concentration

### **CAE 692 - Development Project/Thesis**

A theory application project conducted under the supervision of an adviser and departmental graduate committee.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission and 12 hours in one's graduate concentration

### **CAE 693 - Seminar**

A research-oriented course for graduate majors.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **CAE 694 - Seminar**

A research-oriented course for graduate majors.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **CAE 695 - Seminar**

A research-oriented course for graduate majors.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **CAE 697 - Independent Study**

Opportunities are provided for the selection and completion of an individual study under the direction of a University faculty member. An approved written proposal is required. Both "independent study" and "research proposal format" guideline sheets are available from the department.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **CAE 698 - Independent Study**

Opportunities are provided for the selection and completion of an individual study under the direction of a University faculty member. An approved written proposal is required. Both "independent study" and "research proposal format" guideline sheets are available from the department.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

# **Construction Management**

## **CNST 403 - Production Control**

Methods of control used in the construction industry for production problems involving the estimate, bidding schedules, cost analysis, cost comparison, scheduling systems, evaluation and debriefing.

**Credit Hours:** 2 hrs

**Prerequisites:** ACC 130, CNST 304 and CNST 361

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; 03/2011

## **CNST 406 - Construction Law**

Common basic legal problems associated with construction contracting. Current areas of concern and their significant implications are covered.

**Credit Hours:** 3 hrs

**Prerequisites:** CNST 302

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; 03/2011

## **CNST 426 - Mechanical and Electrical Construction Applications**

This course provides the student with a broad understanding of the principles and construction of plumbing, heating, ventilating and air conditioning (HVAC) and electrical systems for nonresidential buildings. Emphasis will be placed on project management issues relating to these systems including estimating, coordinating, change orders and commissioning.

**Credit Hours:** 3 hrs

**Prerequisites:** CNST 303

**Major Restrictions:** Available only to students in the Construction Management program

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; 03/2011

## **CNST 440 - LEED for New Construction and Major Renovations**

This course provides an understanding of how green building intents, strategies and technologies are considered, coordinated, implemented, and verified while designing, constructing, commissioning, and using commercial buildings in particular, and the greater built environment in general. It expands on how LEED accredited professionals oversee building certification processes, and the documents and standards required to attain LEED certification at all levels. Materials for the course derive from the United States Green Building Council's Green Building Rating System for New Constructions and Major Renovations, Reference Guides, Registered Project Checklist, and Green Building Certification Institute's web resources. Required for Construction Management Major, this course also fulfills the Global Awareness General Education requirement.

**Credit Hours:** 3 hrs

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Previously Listed as:** CNST470

**Last Updated:** Graduate Credit 07/2011

## **CNST 450 - Fundamentals of Construction Project Management**

Students combine many previous concepts and skills into a single comprehensive project that includes estimating, scheduling, production control techniques and documentation procedures. Lecture and laboratory course.

**Credit Hours:** 3 hrs

**Prerequisites:** ENGL 324 (B or better), MGMT 384, CNST 304 and CNST 361

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; 03/2011

## **CNST 503 - Construction Delays and Claims**

An investigation into the risks, liabilities and responsibilities involved in today's construction industry. The areas of liability, contract interpretation, changes, changed conditions, delays, damages, documentation and dispute resolution are addressed.

**Credit Hours:** 2 hrs

**Prerequisites:** CNST 406 or equivalent

**Last Updated:** May 2011

## **CNST 505 - Project and Program Management**

CNST 505 introduces the processes of modern project management, in particular, initiating, planning, executing, monitoring, controlling, and close-out of projects and programs. Major topics include work breakdown structure, CPM/PERT, progress tracking, management reporting and resource management. CNST 505 features team activities and full group discussion.

**Credit Hours:** 3 hrs

### **CNST 511 - Construction Project Planning and Estimating**

CNST511 introduces basic, intermediate and advanced project planning, estimating and cost budgeting techniques and their application within the construction industry. The course addresses techniques for improved project planning, execution and control on major construction programs, and includes the use of modern PM software.

**Credit Hours:** 3 hrs

### **CNST 512 - Construction Project Scheduling and Control**

CNST 512 introduces basic, intermediate and advanced project scheduling and control techniques and their application within the construction industry. The course addresses techniques for improved project planning, execution and control on major construction programs and includes the use of modern PM software.

**Credit Hours:** 3 hrs

### **CNST 590 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **CNST 591 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **CNST 592 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **CNST 597 - Independent Study**

Opportunities are provided for the selection and completion of an individual study under the direction of a University faculty member. An approved written proposal is required. Both "independent study" and "research proposal format" guideline sheets are available from the department.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **CNST 598 - Independent Study**

Opportunities are provided for the selection and completion of an individual study under the direction of a University faculty member. An approved written proposal is required. Both "independent study" and "research proposal format" guideline sheets are available from the department.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **CNST 599 - Independent Study**

Opportunities are provided for the selection and completion of an individual study under the direction of a University faculty member. An approved written proposal is required. Both "independent study" and "research proposal format" guideline sheets are available from the department.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **CNST 616 - Analysis of Commercial Structures**

An investigation into the construction industry practices associated with the use of working drawings to analyze project requirements for bidding, planning, scheduling and controlling construction projects.

**Credit Hours:** 3 hrs

**Prerequisites:** CNST 361 and CNST 304, or equivalents

**Last Updated:** Links 06/2011

### **CNST 624 - Project Productivity and Cost Control**

An investigation into the contemporary problems related to construction productivity, and methods to be employed to control construction costs.

**Credit Hours:** 3 hrs

**Prerequisites:** CNST 403 or equivalent

**Last Updated:** Links 06/2011

### **CNST 630 - Research on Construction Processes**

CNST 630 addresses current initiatives and research on improving the processes of construction management. The course allows the student to develop their research methods capability in modern construction management. The workshop format allows the student to work semi-independently on their scholarly course technical paper.

**Credit Hours:** 3 hrs

**Prerequisites:** CNST 511, CNST 512, or equivalent

**Last Updated:** May 2011

### **CNST 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **CNST 645 - Occupational Safety and Health**

An exploration of occupational safety and health from a human behavior perspective. Attention will be given to the development of safety management systems. Legislative safety and health policies will be analyzed to determine their effectiveness.

**Credit Hours:** 2 hrs

### **CNST 648 - Principles of Construction Technology**

A study of the production system of the construction industries, utility systems, housing construction and city and regional planning practices.

**Credit Hours:** 2 hrs

### **CNST 679 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **CNST 680 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **CNST 681 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.



**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **CNST 682 - Workshop**

Students will be provided practical and theoretical study in a selected topic area.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **CNST 683 - Workshop**

Students will be provided practical and theoretical study in a selected topic area.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **CNST 684 - Workshop**

Students will be provided practical and theoretical study in a selected topic area.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **CNST 685 - Workshop**

Students will be provided practical and theoretical study in a selected topic area.

**Credit Hours:** 4 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **CNST 689 - Industrial Internship**

A field study of industrial theory and practice through internship experiences with cooperating industries. Designed for students desiring experiences beyond those obtained in their previous or present employment.

**Credit Hours:** 2 hrs

**Terms Offered:** Offered on a credit/no-credit basis.

### **CNST 690 - Development Project/Thesis**

A theory application project conducted under the supervision of an adviser and departmental graduate committee.

**Credit Hours:** 1 hr

**Prerequisites:** department permission and 12 hours in one's graduate concentration

### **CNST 691 - Development Project/Thesis**

A theory application project conducted under the supervision of an adviser and departmental graduate committee.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission and 12 hours in one's graduate concentration

### **CNST 692 - Development Project/Thesis**

A theory application project conducted under the supervision of an adviser and departmental graduate committee.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission and 12 hours in one's graduate concentration

### **CNST 693 - Seminar**

A research-oriented course for graduate majors.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **CNST 694 - Seminar**

A research-oriented course for graduate majors.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **CNST 695 - Seminar**

A research-oriented course for graduate majors.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **CNST 697 - Independent Study**

Opportunities are provided for the selection and completion of an individual study under the direction of a University faculty member. An approved written proposal is required. Both "independent study" and "research proposal format" guideline sheets are available from the department.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **CNST 698 - Independent Study**

Opportunities are provided for the selection and completion of an individual study under the direction of a University faculty member. An approved written proposal is required. Both "independent study" and "research proposal format" guideline sheets are available from the department.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **CNST 699 - Independent Study**

Opportunities are provided for the selection and completion of an individual study under the direction of a University faculty member. An approved written proposal is required. Both "independent study" and "research proposal format" guideline sheets are available from the department.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **Engineering Management**

### **EM 505 - Managing Engineering and Technology**

An investigation of the functions and problems unique to managing engineering and technical operations. Topics include: engineering ethics and professionalism; managing research, design and other technical operations; technology impact; and the role of the technical professional.

**Credit Hours:** 3 hrs

### **EM 509 - Engineering Project Management**

A study of the planning and management activities associated with the implementation of a manufacturing or engineering project. Topics include: identification and sequencing of events, time and cost estimating, resource utilization and monitoring/evaluation of plans.

**Credit Hours:** 3 hrs

### **EM 511 - Manufacturing Engineering Fundamentals**

A structured review of manufacturing engineering fundamentals including materials, product design, production systems, manufacturing processes, automated systems, quality and manufacturing including preparation for the Certified Manufacturing Engineering Exam offered by Society of Manufacturing Engineers.

**Credit Hours:** 3 hrs

### **EM 519 - Applied Engineering Project Management**

This course includes advanced applications of software and theory for planning, implementation, management, and analysis of engineering projects. Students will use PMBOK as a guide to understanding the practical aspects of the engineering project life cycle, along with case study discussions and hands-on applications of project management tools and techniques.

**Credit Hours:** 3 hrs

**Prerequisites:** EM 509 or equivalent

**Last Updated:** Links 05/2011

### **EM 520 - Engineering Value and Economic Analysis**

The principles and practices of engineering value and economic analysis for the design of products and services, and the economic analysis, value chain analysis and stream value analysis of integrated engineering projects and enterprise business processes

**Credit Hours:** 3 hrs

### **EM 540 - Engineering Resource Management**

The study of practices and principle for integrating and managing engineering-related resources. Includes topics in human resource management, material and supply chain management, technology and intellectual property management, knowledge and information system management, facility and maintenance management and financial management.

**Credit Hours:** 3 hrs

### **EM 547 - Management of Research, Development and Technology**

This course integrates organizational processes and dynamics related to the management of research, development and technology that are essential for managers and technical professionals to know in order to function effectively in technology-oriented business environments. Topics include: applied R&D methods and management of R&D projects, personnel and technology.

**Credit Hours:** 3 hrs

### **EM 556 - Lean Systems Team Management**

A practical course in the human/organizational aspects of successful lean production implementation. Course will be largely based on research documenting the successful introduction of lean production into existing organizations.

**Credit Hours:** 3 hrs

### **EM 558 - Lean Production**

Study of lean practices across economic sectors. Class will focus on lean systems whose functions include elimination of waste, reducing costs, shortening cycle times, quality improvement, optimization of sociotechnical systems and the process of continuous improvement.

**Credit Hours:** 3 hrs

**Cross-listed with:** QUAL 558

**Last Updated:** Links 05/2011

### **EM 570 - Patents and Engineering Law**

This course investigates legal issues in engineering such as patents, trademarks, product liability and contracts. Case studies, court decisions and research are an integral part of the course.

**Credit Hours:** 3 hrs

### **EM 580 - Engineering and Enterprise Integration**

The study of engineering and enterprise integration systems for engineers, managers and technologists, and a structured review for individuals planning to take the Certified Enterprise Integrator (CEI) and/or Certified Engineering Manager (CEM)

examinations. Topics include certification test preparation and taking techniques; the engineering and enterprise integration system; customer focus; people, teamwork and organization; shared knowledge systems; business processes; resources and responsibilities; and external enterprise influences.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **EM 590 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **EM 591 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **EM 592 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **EM 597 - Independent Study**

Opportunities are provided for the selection and completion of an individual study under the direction of a University faculty member. An approved written proposal is required. Both "Independent Study" and "Research Proposal Format" guideline sheets are available from the department.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **EM 598 - Independent Study**

Opportunities are provided for the selection and completion of an individual study under the direction of a University faculty member. An approved written proposal is required. Both "Independent Study" and "Research Proposal Format" guideline sheets are available from the department.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **EM 599 - Independent Study**

Opportunities are provided for the selection and completion of an individual study under the direction of a University faculty member. An approved written proposal is required. Both "Independent Study" and "Research Proposal Format" guideline sheets are available from the department.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **EM 609 - Professional Project Management**

A structured review for project management professional who plan to take the Certified Associate in Project Management (CAPM) or Project Management Professional (PMP) certification examination, based on the Project Management Institute's Body of Knowledge (PMBOK) Guide.

**Credit Hours:** 3 hrs

**Prerequisites:** EM 519 Applied Engineering Project Management or equivalent

**Last Updated:** Links 05/2011

## **EM 620 - Integrated Product and Process Design**

This course will focus on the integration of three enterprise processes: product development, process planning and manufacturing systems. Emphasis will be placed on a) customer focus, b) concurrent/collaborative engineering and product/process design improvement approaches, and c) the insourcing/outourcing decision process. E-business as it relates to collaborative product design with suppliers will also be addressed.

**Credit Hours:** 3 hrs

**Prerequisites:** EM 509 and EM 649 or MKTG 510 and OM 503 or their equivalents

**Last Updated:** Links 05/2011

## **EM 636 - Analysis of Manufacturing Processes**

An advanced course in the technical aspects of manufacturing cast, formed and machined products. Emphasis is on the determination of production parameters, such as shapes, forces and temperatures required to process various materials.

**Credit Hours:** 3 hrs

## **EM 639 - Continuous Enrollment**

Graduate students who are completing research (Master's or Specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **EM 641 - Materials of Industry**

Selected industrial materials: sources, properties, characteristics, analysis and testing.

**Credit Hours:** 2 hrs

## **EM 649 - Manufacturing Process Planning**

The design of the manufacturing process as required by product design specifications. Selection of processes, tooling, work-holding, gauging, routing and material handling, as well as the development of human interface.

**Credit Hours:** 3 hrs

## **EM 659 - Advanced Lean Systems**

A class in advanced lean practices as applied in manufacturing. Focus will be on the practical aspects on implementing and maintaining production systems capable of continuous improvement. In-depth treatment will be given value stream analysis as defined by customers, lean logistics, lean cost accounting, total productive maintenance, zero defect quality practices and the integration of human resource practices within the production strategy.

**Credit Hours:** 3 hrs

**Prerequisites:** QUAL 558/EM 558

**Last Updated:** Links 05/2011

## **EM 669 - Lean Leadership Standards and Integration**

A structured review of knowledge and application of principles for lean management professionals who plan to take the Bronze, Silver, or Gold Lean Certification examination, based on the Shingo/SME/AME Lean Certification Body of Knowledge.

**Credit Hours:** 3 hrs

**Prerequisites:** EM 659

**Last Updated:** Links 05/2011

## **EM 670 - Design for Manufacture and Assembly**

This course investigates the management of product and process design activities. It is intended for anyone involved in product design, manufacturing engineering, process engineering or manufacturing management. The course investigates design for manufacturing and assembly, quality function deployment, value analysis, failure modes and effects analysis, error/mistake proofing, team dynamics and design for "X."

**Credit Hours:** 3 hrs

**Prerequisites:** EM 511 or EM 636

**Last Updated:** Links 05/2011

## **EM 679 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **EM 680 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special

topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **EM 681 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **EM 684 - Workshop**

Students will be provided practical and theoretical study in a selected topic area.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **EM 689 - Industrial Internship**

A field study of industrial theory and practice through internship experiences with cooperating industries. Designed for students desiring experiences beyond those obtained in their previous or present employment.

**Credit Hours:** 2 hrs

**Terms Offered:** Offered on a credit/no-credit basis.

### **EM 690 - Thesis/Development Project**

A research-oriented study conducted under the supervision of an adviser and departmental graduate committee, and under the guidelines described in the EMU Thesis Manual. A theory application project conducted under the supervision of an adviser and departmental graduate committee.

**Credit Hours:** 1 hr

**Prerequisites:** Department permission and 12 hours in one's graduate concentration

**Last Updated:** Title change 07/2011

### **EM 691 - Thesis/Development Project**

A research-oriented study conducted under the supervision of an adviser and departmental graduate committee, and under the guidelines described in the EMU Thesis Manual. A theory application project conducted under the supervision of an adviser and departmental graduate committee.

**Credit Hours:** 2 hrs

**Prerequisites:** Department permission and 12 hours in one's graduate concentration

**Last Updated:** Title change 07/2011

### **EM 692 - Thesis/Development Project**



A research-oriented study conducted under the supervision of an adviser and departmental graduate committee, and under the guidelines described in the EMU Thesis Manual. A theory application project conducted under the supervision of an adviser and departmental graduate committee.

**Credit Hours:** 3 hrs

**Prerequisites:** Department permission and 12 hours in one's graduate concentration

**Last Updated:** Title change 07/2011

### **EM 693 - Seminar**

A research-oriented course for graduate majors.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **EM 694 - Seminar**

A research-oriented course for graduate majors.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **EM 695 - Seminar**

A research-oriented course for graduate majors.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **EM 697 - Independent Study**

Opportunities are provided for the selection and completion of an individual study under the direction of a University faculty member. An approved written proposal is required. Both "Independent Study" and "Research Proposal Format" guideline sheets are available from the department.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **EM 698 - Independent Study**

Opportunities are provided for the selection and completion of an individual study under the direction of a University faculty member. An approved written proposal is required. Both "Independent Study" and "Research Proposal Format" guideline sheets are available from the department.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **EM 699 - Independent Study**

Opportunities are provided for the selection and completion of an individual study under the direction of a University faculty member. An approved written proposal is required. Both "Independent Study" and "Research Proposal Format" guideline sheets

are available from the department.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **Interior Design**

### **IDE 501 - Problems in Interior Design**

Analyzing and solving the problems of interiors, with regard to social, psychological and economic concerns of families.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **IDE 502 - Facility Programming and Post-occupancy Evaluation**

An examination of the techniques and concepts used in facility programming and post-occupancy evaluation; their interrelatedness and their application in facility management.

**Credit Hours:** 2 hrs

### **IDE 503 - Physical Environments for Aging**

The course will explore the interrelationship between the physical and psychosocial changes that occur with normal aging and the designed environment. Environmental assessments and recommendations to accommodate normal aging and the related physical impairments will be addressed.

**Credit Hours:** 2 hrs

### **IDE 504 - Computer-Aided Design for Interiors**

An examination of CAD applications in interior design research and practice. Emphasis on interactive programming, simulation, computer-aided planning (CAP) and computer-aided facility management.

**Credit Hours:** 2 hrs

**Prerequisites:** IDE 312 or equivalent.

**Last Updated:** Links 06/2011

### **IDE 508 - Universal and Barrier-Free Design**

The course will explore the creation, evolution and application of barrier-free construction codes and their relationship to the American National Standards Institute and other federal legislation. Design analysis of residential and nonresidential interior environments for individuals with specific disabilities will be emphasized.

**Credit Hours:** 2 hrs

### **IDE 515 - Design and Management of Health Care Facilities**

This course will explore issues and trends in health care facility design and management, an important specialization within the interior design field. Appropriate for students either majoring in interior design or those from other programs.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **IDE 587 - Cooperative Education in Interior Design**

Provides practical experience in the student's concentration for four to six months of full-time employment with an individual employer. May not be used on 30-hour program plan for the master's degree.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **IDE 590 - Special Topics**

An experimental course designed to investigate specific topics of concern in the specialization areas of study. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **IDE 591 - Special Topics**

An experimental course designed to investigate specific topics of concern in the specialization areas of study. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **IDE 592 - Special Topics**

An experimental course designed to investigate specific topics of concern in the specialization areas of study. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **IDE 597 - Independent Study**

An intensive study of a selected professional problem, under the direction of a faculty adviser.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **IDE 598 - Independent Study**

An intensive study of a selected professional problem, under the direction of a faculty adviser.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **IDE 599 - Independent Study**

An intensive study of a selected professional problem, under the direction of a faculty adviser.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **IDE 600 - Research I**

Application of the research process through development of a research project proposal for the culminating experience of the student's graduate program of study. Focus will be on writing chapters 1-3 of the research project report.

**Credit Hours:** 2 hrs

**Prerequisites:** DTC 500 and EDPS 621

**Last Updated:** Links 05/2011

## **IDE 601 - Interior Design Research Methods**

Advanced research methods course to investigate qualitative and quantitative methodologies used in interior design research.

**Credit Hours:** 2 hrs

**Prerequisites:** DTC 500 or equivalent

**Last Updated:** Links 05/2011

## **IDE 603 - History of Furniture and Contemporary Trends**

A study of furniture of various periods of history and the relationships to contemporary styles.

**Credit Hours:** 2 hrs

## **IDE 604 - American Interiors**

An investigation of the relationships between the various components of interior enhancement and indigenous arts and crafts, and the major developments in American domestic architecture, 1500-1900.

**Credit Hours:** 2 hrs

## **IDE 607 - Colloquium**

A colloquium exploring research on contemporary topics of relevance to the interior design professional.

**Credit Hours:** 2 hrs

## **IDE 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr  
**Prerequisites:** department permission

### **IDE 650 - Research III**

Presentation of culminating experience with emphasis on oral and written methods and skill development. Focus is on research project oral presentation and preparation of a poster presentation and a manuscript.

**Credit Hours:** 1 hr  
**Prerequisites:** IDE 695  
**Last Updated:** Links 05/2011

### **IDE 679 - Special Topics**

An experimental course designed to investigate specific topics of concern in the specialization areas of study. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs  
**Prerequisites:** department permission

### **IDE 680 - Special Topics**

An experimental course designed to investigate specific topics of concern in the specialization areas of study. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs  
**Prerequisites:** department permission

### **IDE 681 - Special Topics**

An experimental course designed to investigate specific topics of concern in the specialization areas of study. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs  
**Prerequisites:** department permission

### **IDE 683 - Workshop**

A workshop guided toward problems and practical concerns resulting from current trends of immediate concern to the hospitality professional.

**Credit Hours:** 2 hrs  
**Prerequisites:** department permission

### **IDE 686 - Practicum**

Supervised work experience in field placement/internship site determined by student and adviser.

**Credit Hours:** 1 hr  
**Prerequisites:** department permission

### **IDE 687 - Practicum**

Supervised work experience in field placement/internship site determined by student and adviser.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **IDE 688 - Practicum**

Supervised work experience in field placement/internship site determined by student and adviser.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **IDE 689 - Practicum**

Supervised work experience in field placement/internship site determined by student and adviser.

**Credit Hours:** 4 hrs

**Prerequisites:** department permission

### **IDE 690 - Thesis/Project III**

Presentation of thesis research with emphasis on oral and written methods and skill development. Focus is on thesis defense and preparation of a poster presentation and a manuscript.

**Credit Hours:** 1 hr

**Prerequisites:** IDE 692

**Last Updated:** Links 05/2011

### **IDE 691 - Thesis/Project I**

Application of the research process through development of a thesis project proposal for the culminating experience of the student's graduate program of study.

**Credit Hours:** 2 hrs

**Prerequisites:** DTC 500 and EDPS 621

**Last Updated:** Links 05/2011

### **IDE 692 - Thesis/Project II**

Execution of a research project or preparation of thesis as the culminating experience for the student's graduate program of study.

**Credit Hours:** 3 hrs

**Prerequisites:** IDE 691 and department permission

**Last Updated:** Links 05/2011

### **IDE 695 - Research II**

Execution of a research project and preparation of a written report as the culminating experience for the student's graduate program of study. Focus will be on revising chapters 1-3 and writing chapters 4-5 of the research project report.

**Credit Hours:** 3 hrs

**Prerequisites:** IDE 600

**Last Updated:** Links 05/2011

### **IDE 697 - Independent Study**

An intensive study of a selected professional problem, under the direction of a faculty adviser.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **IDE 698 - Independent Study**

An intensive study of a selected professional problem, under the direction of a faculty adviser.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **IDE 699 - Independent Study**

An intensive study of a selected professional problem, under the direction of a faculty adviser.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **Manufacturing**

### **MFG 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **Polymers and Coatings**

### **PC 400 - Polymers and Coatings Technology I**

Introduction to synthesis, film formation, structure, and properties of polymers commonly used in coatings. Polymer systems to be covered include acrylic, vinyls, polyesters, alkyds, oils, epoxies, epoxyesters, aminoplasts, urethanes, phenolics, hydrocarbons, cellulotics.

**Credit Hours:** 3 hrs

**Prerequisites:** CHEM 371 and CHEM 372

**Last Updated:** Links 06/2011

## **PC 401 - Polymers and Coatings Technology I Laboratory**

Synthesis, characterization and identification of polymers used in coatings. The synthesis of solution acrylic, vinyl, acrylic emulsion, polyester, alkyd, epoxyester, melamine formaldehyde and urethane polymers with extensive use of physical techniques such as GIRT, GP and calorimetry.

**Credit Hours:** 3 hrs

**Corequisites:** PC 400

**Last Updated:** Links 05/2011

## **PC 402 - Polymers and Coatings Technology II**

Formulation in oil-based and waterborne coatings covering the use of solvents, pigments and additives. Principles of adhesion and corrosion, and the use of conversion coatings. Safety, health, government regulations and paint production techniques.

**Credit Hours:** 3 hrs

**Prerequisites:** PC 400

**Last Updated:** Links 05/2011

## **PC 405 - Coating Processes I**

Development of expertise in industrial coating processes. Substrate preparation, principles of adhesion, corrosion control, industrial coating materials, industrial coating systems and regulatory compliance in the coatings industry.

**Credit Hours:** 3 hrs

**Prerequisites:** PC 310 or PC 400 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 06/2011; Links 06/2011

## **PC 416 - Water-Based Coatings**

A course to present the technology involved in preparing and utilizing water-based coatings (solvent-based, powder and others) are presented. The requirements for polymers and other ingredients of water-based coatings formulations are taught.

**Credit Hours:** 3 hrs

**Prerequisites:** PC 310

**Corequisites:** PC 400

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** 06/02/2011 Graduate credit

## **PC 503 - Advanced Polymers and Coatings Technology Laboratory**

This course is designed to teach advanced and practical aspects of the science and technology of polymers and coatings. In this course a variety of advanced coatings, formulations and polymer synthesis will be carried out. Topics emulsion polymerization, automotive, powder, UV/EB will be covered.

**Credit Hours:** 3 hrs

**Prerequisites:** PC 400, PC 401

**Last Updated:** Links 05/2011

## **PC 504 - Patents and Patenting**



Elementary patent law, efficient methods of reviewing patents, careers in the patenting arena, and learning technology from patent publications are discussed and illustrated. Technical writing skills for drafting patent applications and for partnering with patent attorneys in prosecuting patent applications are developed in homework and in-class workshop exercises.

**Credit Hours:** 3 hrs

**Class Restrictions:** Senior or Master's students only

**Previously Listed as:** PC 592, Special Topics: Patents and Patent Writing

**Last Updated:** 12/8/2010

## **PC 540 - UV-Cure Coatings**

UV-cure coating technology is very fast growing and finding increasingly wide range of application, primarily due to their low environment footprint combined with excellent performance. This course discusses fundamental concepts, raw materials, formulation of UV-cure coatings. The current trends in state-of-the-art in UV-cure materials and cure processes are emphasized.

**Credit Hours:** 2 hrs

**Prerequisites:** PC 400

**Last Updated:** New Course 12/2011; effective Fall 2012

## **PC 543 - Advanced Polymer Synthesis for Coatings Technology**

Theories of step-growth and chain-growth polymerization will be related to synthesis of acrylics, vinyls, polyesters, alkyds and epoxies by bulk, solution and emulsion polymerization.

**Credit Hours:** 2 hrs

**Prerequisites:** PC 400 and PC 401, or equivalents

**Last Updated:** Links 05/2011

## **PC 544 - Waterborne Coatings**

A course to present the technology involved in preparing and utilizing water-based coatings. The strengths and limitations of water-based materials versus other forms of coatings (solvent-based, powder and others) are presented. The requirements for polymers and other ingredients of water-based coatings formulations are taught. Students may not receive credit for both this course and PC 416.

**Credit Hours:** 2 hrs

**Prerequisites:** PC 400

**Last Updated:** Links 05/2011

## **PC 570 - Coating Evaluation and Testing**

This course investigates the separation of coatings and polymers followed by subsequent identification of individual components and/or contamination by appropriate instrumental means. Hands-on training in instrumental methods include FTIR, FTIR/Microscopy, GC/MS, Pyrolysis/GC/MS, GPC, HPLC, and DSC with theoretical training in AA, ICP, and x-ray diffraction.

**Credit Hours:** 2 hrs

**Prerequisites:** PC 400, PC 402

**Last Updated:** Links 05/2011

## **PC 571 - Testing and Evaluation of Coatings**

This course is designed to provide fundamental understanding and familiarity with various test methods, their significance and interpretation of results pertaining to architectural, industrial and specialty coatings. Topics will cover testing and evaluation of paint and their dry films using standard test methods, generally used in industries.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Class Restrictions:** Graduate level standing

## **PC 574 - Crosslinking Technology for Coatings**

A course to present the physical and chemical principles of crosslinking of organic coatings. The physical properties of thermosetting coatings depend on the degree of crosslinking and the type of chemical linkages involved in crosslinking. The effects of these factors on today's commercial coatings are explained and examined.

**Credit Hours:** 2 hrs

**Prerequisites:** PC 400, PC 402

**Last Updated:** Links 05/2011

## **PC 581 - Fundamentals of Polymer Science and Coating Technology**

This course is designed to build a foundation for understanding of coating technology. The first part of the course deals with basics of polymers, their properties, types and polymerization reactions and basic relevant concepts. In second part, fundamentals of coatings, their compositions, types, processing and applications and end use properties will be covered.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Class Restrictions:** Graduate standing

## **PC 582 - Principles of Coating Formulations**

Coating formulation is art and science of selection of raw materials and processes for designing coating compositions for specific end uses. This course is designed to develop understanding of various formulation parameters, tools and develop skills for formulation of coatings for specific end uses. Regulatory aspects, pertaining to formulations are also emphasized.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Class Restrictions:** Graduate level standing

## **PC 587 - Cooperative Education in Polymers and Coatings Technology**

**Credit Hours:** 3 hrs

## **PC 590 - Special Topics**

Content will change from semester to semester. An experimental course for subject matter not yet provided in other program offerings. Students may elect this course more than once, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

## **PC 591 - Special Topics**

Content will change from semester to semester. An experimental course for subject matter not yet provided in other program offerings. Students may elect this course more than once, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

### **PC 592 - Special Topics**

Content will change from semester to semester. An experimental course for subject matter not yet provided in other program offerings. Students may elect this course more than once, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

### **PC 593 - Special Topics**

Content will change from semester to semester. An experimental course for subject matter not yet provided in other program offerings. Students may elect this course more than once, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 4 hrs

### **PC 617 - Surface Modification**

Basic physical chemical methods, basic organic and inorganic coupling chemistries and living polymerization methods are reviewed and applied to achieving diverse forms of surface modification suitable for nanoparticles through high volume and high surface area planar substrates. The emphasis is on the application of various chemistries to enable highly value added coatings to be made in a chemically stable and robust manner.

**Credit Hours:** 2 hrs

**Prerequisites:** CHEM 361 and CHEM 372

**Corequisites:** CHEM 675

**Last Updated:** Links 05/2011

### **PC 650 - Powder Coatings**

This course will provide students with general knowledge in powder coating, a rapidly growing segment in the general coating and manufacturing industry. The students will become familiar with a wide variety of industrial and automotive powder coatings, their chemistry and physics, application and formulations.

**Credit Hours:** 2 hrs

**Prerequisites:** PC 400, PC 401

**Last Updated:** Links 05/2011

### **PC 652 - Durability and Performance of Coatings**

This course is designed to teach and evaluate the impact of a variety of parameters influencing both the durability and performance of coatings and polymers. In this course, the chemistry and physics of coatings, degradation of types and mechanisms and the role of coating components and other formulation variables will be discussed.

**Credit Hours:** 3 hrs

**Prerequisites:** PC 400, PC 402

**Last Updated:** Links 05/2011

## **PC 682 - Enabling Technologies**

This course is designed to offer topics that are fundamental in enabling coating systems and their performance. These interdisciplinary topics would strengthen understanding of important concepts and phenomena related to formulation, application and performance of coatings.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Class Restrictions:** Graduate level standing

## **PC 683 - Conventional and Alternative Coating Technologies**

This course will discuss fundamental aspects of various coating technologies, presently in use, such as: solvent-borne, water-borne, high-solids, powder, and radiation cure coatings. Topics will discuss composition of these coatings, their cure mechanisms, applications and performance properties of their films. Environmental aspects of these technologies are compared and emphasized.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Class Restrictions:** Graduate level standing

## **PC 684 - Advanced Topics in Polymers and Coatings**

This course offers in-depth knowledge of advanced topics and emerging technologies relevant to polymers and coatings. This course will help in understanding of recent advancements/developments of the coating and related fields. The course content and emphasis on topics may change from time to time.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Class Restrictions:** Graduate level standing

## **PC 690 - Thesis**

A research based study conducted under the supervision of a University graduate faculty member and an approved graduate committee under the guidelines of the EMU Graduate Thesis Manual.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **PC 691 - Thesis**

A research based study conducted under the supervision of a University graduate faculty member and an approved graduate committee under the guidelines of the EMU Graduate Thesis Manual.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **PC 692 - Thesis**

A research based study conducted under the supervision of a University graduate faculty member and an approved graduate committee under the guidelines of the EMU Graduate Thesis Manual.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **PC 697 - Independent Study**

Opportunities are provided for the selection and completion of an individual project under the direction of a University faculty member. An approved written proposal is required.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **PC 698 - Independent Study**

Opportunities are provided for the selection and completion of an individual project under the direction of a University faculty member. An approved written proposal is required.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **PC 699 - Independent Study**

Opportunities are provided for the selection and completion of an individual project under the direction of a University faculty member. An approved written proposal is required.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **Quality**

### **QUAL 546 - Total Quality Management**

An introductory course in the theory and practice of total quality management (TQM) across economic sectors. Core values of TQM include customer orientation, high levels of employee involvement across the enterprise, and a focus on continually improving processes. Particular emphasis will be placed on academic literature describing successful implementation of TQM.

**Credit Hours:** 3 hrs

### **QUAL 548 - Tools for Continuous Improvement**

QUAL548 concerns basic continuous quality improvement statistical methods that provide the background for advanced quality courses, and an introduction to statistical process control (SPC). Topics include: TQM and SPC overviews, organization and presentation of quality-related data, summary descriptive statistics, SPC probability distributions, process capability analysis and normal distribution test assumptions. Excel and statistical software will be used to illustrate the course topics.

**Credit Hours:** 3 hrs

**Prerequisites:** College algebra or equivalent

**Cross-listed with:** EM 548

**Last Updated:** Cross-List and Prerequisite Change 04/2012, effective Fall 2012

## **QUAL 549 - Problem Solving for Quality Improvement**

This course describes the theories and strategies of quality problem solving. It demonstrates how to use one's cognitive abilities to successfully resolve any concern and thus becomes more productive. Individuals learn how to discover root causes of problems, formulate a corrective action plan, implement a course of action and evaluate the solution.

**Credit Hours:** 2 hrs

## **QUAL 550 - Advanced Statistical Process Control**

QUAL 550 is an advanced course in statistical process control (SPC). Topics include a thorough coverage of conventional and special purpose control charts; these include: x-bar, individuals, attributes, zone, CUSUM, EWMA, and MA charts; analysis of runs, trends and cycles; process and gage capability analysis; basic Six Sigma principles; and underlying distribution analysis.

**Credit Hours:** 3 hrs

**Prerequisites:** QUAL 548

**Last Updated:** Links 05/2011

## **QUAL 551 - Design of Experiments**

QUAL 551 is an introduction to statistically-designed experiments (DOE) to improve product and/or process quality. Topics include fundamental concepts concerning the design, implementation, and analysis of factorial experiments as well as reporting results and formulating recommendations for continuous improvement.

**Credit Hours:** 3 hrs

**Prerequisites:** QUAL 548 is recommended

**Last Updated:** Links 05/2011

## **QUAL 552 - Quality Planning**

Theory and practice of quality planning to include anticipating customer requirements for goods and services then developing systems to meet and exceed customer expectations. Class emphasizes planning tools including quality function deployment (QFD), failure mode and effects analysis (FMEA), control plans and kansei (affective) engineering.

**Credit Hours:** 3 hrs

## **QUAL 553 - Geometric and Surface Texture Tolerancing**

Geometric dimensioning and tolerancing (GD&T) is used to define the nominal geometry of parts and assemblies, the allowable variation in form and size of individual features, and the allowable variation between features. Emphasis will be placed on ASME Y14.5M-1994 using manual and computer systems. Suggested preparation: A class in engineering graphics.

**Credit Hours:** 3 hrs

**Prerequisites:** A class in engineering graphics is recommended

## **QUAL 554 - Reliability, Maintainability and Product Safety**

QUAL 554 covers statistically-based reliability studies based on product failures and product degradation (e.g., shelf life). The emphasis is on product performance vs. time, cycles and warranty periods. Product safety improvement and the attendant responsibility of manufacturers are also covered. Statistical software will be used extensively to analyze product reliability.

**Credit Hours:** 3 hrs

**Prerequisites:** QUAL 548 is recommended

**Last Updated:** Links 05/2011

### **QUAL 555 - Quality Auditing**

This course focuses on value added audits. The purpose is to assist organizations to continuously improve its products, processes and performance and achieve measurable gains in each.

**Credit Hours:** 3 hrs

### **QUAL 556 - Human Aspects of Continuous Improvement**

A class on how to best engage employees in continuous improvement. Theory and examples of best practices are examined from the literature. Practical applications are emphasized including how to initiate, maintain and evaluate continuous improvement programs. Particular emphasis is placed on continuous improvement as a competitive strategy.

**Credit Hours:** 3 hrs

### **QUAL 557 - Measuring Customer Satisfaction**

The focus of this course is on measuring customer needs and expectations for the purpose of improved product/process performance. Qualitative and quantitative analysis techniques are utilized. Emphasis is on providing a base for development and justification of product (including service outputs)/process specifications.

**Credit Hours:** 3 hrs

### **QUAL 558 - Lean Production**

Study of lean practices across economic sectors. Class will focus on lean systems whose functions include elimination of waste, reducing costs, shortening cycle times, quality improvement, optimization of socio-technical systems and the process of continuous improvement.

**Credit Hours:** 3 hrs

**Cross-listed with:** EM 558

**Last Updated:** Links 05/2011

### **QUAL 559 - Cost of Quality**

Cost of Quality is a tool for facilitating quality improvement activities while reducing cost. It represents the reduced overall cost realized through prevention and appraisal activities to reduce or eliminate failure costs. Included are various processes for gathering and analyzing COQ data, integration with conventional accounting and budgeting practices and practical applications.

**Credit Hours:** 3 hrs

### **QUAL 568 - Lean Service Quality**

A class in lean practices/continuous improvement as applied to the service sector. Emphasis will be placed on practical interventions proven to quantify and improve service quality by implementing and maintaining systems capable of continuous improvement. In-depth treatment will be given to systems thinking, defining and measuring work, eliminating waste and engaging employees.

**Credit Hours:** 3 hrs

### **QUAL 590 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **QUAL 591 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **QUAL 592 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **QUAL 597 - Independent Study**

Opportunities are provided for the selection and completion of an individual study under the direction of a University faculty member. An approved written proposal is required. Both "Independent Study" and "Research Proposal Format" guideline sheets are available from the department.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **QUAL 598 - Independent Study**

Opportunities are provided for the selection and completion of an individual study under the direction of a University faculty member. An approved written proposal is required. Both "Independent Study" and "Research Proposal Format" guideline sheets are available from the department.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission



## **QUAL 599 - Independent Study**

Opportunities are provided for the selection and completion of an individual study under the direction of a University faculty member. An approved written proposal is required. Both "Independent Study" and "Research Proposal Format" guideline sheets are available from the department.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **QUAL 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Notes:** Credit will not apply toward degree completion.

**Terms Offered:** Offered on a credit/no-credit basis.

## **QUAL 647 - Research Methods**

A course in methods applied in engineering and technical research. Emphasis is on the development of a research proposal. This includes the problem and its setting; qualitative, quantitative and mixed research methodologies' and a review of existing research and practices (products and processes as well as literature).

**Credit Hours:** 3 hrs

**Prerequisites:** Twelve semester hours completed in the MS Quality Management, full admission and at least a 3.0 GPA in the program.

## **QUAL 651 - Design of Experiments II**

This course considers more advanced designed experiment topics than those considered in QUAL 551 to improve product or process quality. The emphasis is on computer methods, modeling techniques, data transformations and various response optimization methods. Statistical software will be used extensively to analyze all course topics.

**Credit Hours:** 3 hrs

**Prerequisites:** QUAL 551

**Last Updated:** Links 05/2011

## **QUAL 652 - Multivariate Data Analysis**

QUAL 652 extends the topics considered in QUAL 651. It deals with: modeling of large happenstance data sets by various multiple regression methods; logistic regression of binary response data; time series analysis; regression model validation techniques; contingency tables; canonical correlation; discriminant analysis; further analysis of collinear data problems; cluster analysis; and nonlinear regression analysis.

**Credit Hours:** 3 hrs

**Prerequisites:** QUAL 651

**Last Updated:** Links 05/2011

## **QUAL 655 - Technical Six Sigma**

This course will focus on the main principles used within the Six Sigma methodology and examine the DMAIC process with particular focus on statistical tools and implementation strategies. Additionally, the course will provide a solid foundation for those planning to take the American Society for Quality Six Sigma Black Belt Exam.

**Credit Hours:** 3 hrs

**Prerequisites:** QUAL 548 and QUAL 551

**Last Updated:** Links 05/2011

## **QUAL 679 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **QUAL 680 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **QUAL 681 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

## **QUAL 684 - Workshop**

Students will be provided practical and theoretical study in a selected topic area.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

## **QUAL 689 - Industrial Internship**

A field study of industrial theory and practice through internship experiences with cooperating industries. Designed for students desiring experiences beyond those obtained in their previous or present employment.

**Credit Hours:** 2 hrs

**Terms Offered:** Offered on a credit/no-credit basis.

### **QUAL 690 - Development Project/Thesis**

Development project: a theory application project conducted under the supervision of an adviser and departmental graduate committee.

**Credit Hours:** 1 hr

**Prerequisites:** Must be degree admit. Must have completed 12 semester hours in core with minimum 3.0 GPA and completed QUAL 647 with a grade of B or better. Must not be on academic probation.

**Last Updated:** Links 05/2011

### **QUAL 691 - Development Project/Thesis**

Development project: a theory application project conducted under the supervision of an adviser and departmental graduate committee.

**Credit Hours:** 2 hrs

**Prerequisites:** Must be degree admit. Must have completed 12 semester hours in core with minimum 3.0 GPA and completed QUAL 647 with a grade of B or better. Must not be on academic probation.

**Last Updated:** Links 05/2011

### **QUAL 692 - Development Project/Thesis**

Development project: a theory application project conducted under the supervision of an adviser and departmental graduate committee.

**Credit Hours:** 3 hrs

**Prerequisites:** Must be degree admit. Must have completed 12 semester hours in core with minimum 3.0 GPA and completed QUAL 647 with a grade of B or better. Must not be on academic probation.

**Last Updated:** Links 05/2011

### **QUAL 697 - Independent Study**

Opportunities are provided for the selection and completion of an individual study under the direction of a University faculty member. An approved written proposal is required. Both "Independent Study" and "Research Proposal Format" guideline sheets are available from the department.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **QUAL 698 - Independent Study**

Opportunities are provided for the selection and completion of an individual study under the direction of a University faculty member. An approved written proposal is required. Both "Independent Study" and "Research Proposal Format" guideline sheets are available from the department.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **QUAL 699 - Independent Study**

Opportunities are provided for the selection and completion of an individual study under the direction of a University faculty member. An approved written proposal is required. Both "Independent Study" and "Research Proposal Format" guideline sheets are available from the department.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **Renewable Energy**

### **REE 553 - Thermal Systems Design**

The course presents modern thermal devices such as heat sinks, thermoelectric generators and coolers, heat pipes, solar cells and heat exchangers as design components in energy systems. These devices are important and fundamental in thermal system design. Thermal system design projects will be developed using commercial software.

**Credit Hours:** 2 hrs

**Previously Listed as:** REE 571

**Repeatable:** No

**Last Updated:** New Course 08/2011, effective Winter 2012

### **REE 554 - Solar Electricity System**

A study of solar energy systems and implementation. Emphasis on the principles of photovoltaics and how to effectively incorporate photovoltaic systems into stand-alone or interconnected electrical systems. Use solar energy in various fields of applications is also included.

**Credit Hours:** 2 hrs

**Previously Listed as:** REE 572

**Repeatable:** No

**Last Updated:** New Course 08/2011, effective Winter 2012

### **REE 555 - Wind Turbine Design, Construction and Testing**

A study of wind turbine systems, design, construction and testing. Emphasis on the principles of wind power, wind turbine generator design and construction, turbine blade design and making, and wind turbine testing. Both horizontal wind turbine and vertical wind turbine are included.

**Credit Hours:** 2 hrs

**Previously Listed as:** REE 573

**Repeatable:** No

**Last Updated:** New Course 08/2011, effective Winter 2012

### **REE 556 - Biomass**

A study of biofuel technologies that covers the fundamental concepts of important biofuels and the current state-of-the-art technology for their production. A batch type of biofuel productions and various types of testing of biofuels are emphasized.

**Credit Hours:** 2 hrs

**Previously Listed as:** REE 576

**Repeatable:** No

**Last Updated:** Course Number Change 10/2011, effective Fall 2011; New Course 10/2011, effective Winter 2012

## **REE 557 - Geothermal Engineering**

The course presents geothermal energy and its engineering applications of geothermal electricity energy generation, including the technical features and economic considerations for geothermal plants. Studies of various forms of non-electric uses, from space and district heating and cooling to agriculture, aquaculture and a number of industrial applications, are included.

**Credit Hours:** 2 hrs

**Previously Listed as:** REE 577

**Last Updated:** Course Number Change 10/2011, effective Fall 2011; New Course 08/2011, effective Fall 2011

## **REE 558 - Fuel Cell Applications and Design**

This course provides a fundamental to the principles, design and application of fuel cell systems. It presents an explanation of the operation of all the major fuel cell types, and an introduction to possible future technology. Examples of the modeling, design and engineering of fuel cell systems are included.

**Credit Hours:** 2 hrs

**Previously Listed as:** REE 578

**Repeatable:** No

**Last Updated:** New Course 08/2011, effective Winter 2012

## **REE 559 - Energy System Control**

A study of monitoring and control systems for renewable energy. Emphasis on data acquisition, remote control, system control, hybrid control for renewable energy, embedded programming and LabView applications. Live Web-display of system performance is included.

**Credit Hours:** 2 hrs

**Prerequisites:** REE 554 and REE 555

**Previously Listed as:** REE 579

**Repeatable:** No

**Last Updated:** New Course 08/2011, effective Winter 2012

## **REE 563 - Advanced Wind Turbine Design and Analysis**

An essential study in the theories, simulations, and design of wind turbine systems. Focuses are on the areas of blade weight modeling, generator design and simulation, and the effects of control strategy on machine service factors. Detailed modeling works of the large wind turbines are included.

**Credit Hours:** 2 hrs

**Prerequisites:** REE 555

**Previously Listed as:** REE 583

**Repeatable:** No

**Last Updated:** New Course 08/2011, effective Winter 2012

## **REE 568 - Renewable Energy for Developing Countries**

This course presents the fundamentals of energy uses, energy resources, renewable energy technologies in the developing countries where many rural villages still have no electricity. Students design and construct renewable energy systems to meet the electricity and energy needs of rural families and villages of the developing countries. The emphasis is on the design, construction, and implementation of the affordable renewable energy systems.

**Credit Hours:** 2 hrs

**Prerequisites:** REE 554 and REE 555

**Previously Listed as:** REE 588

**Repeatable:** No

**Last Updated:** New Course 08/2011, effective Winter 2012

## **REE 569 - Renewable Energy Projects**

A project-based course that provides students with experience in designing, analyzing, implementing, testing and evaluating renewable energy project including wind energy, solar energy, geothermal energy, biofuels, and others for a specific application. The engineering project management procedures are emphasized in developing the projects.

**Credit Hours:** 2 hrs

**Prerequisites:** REE 554 and REE 555

**Previously Listed as:** REE 589

**Repeatable:** No

**Last Updated:** New Course 08/2011, effective Winter 2012

# School of Technology Studies Programs and Courses

## School of Technology Studies

### Graduate Certificate

### Graduate Certificate in Digital Investigations (DI)

Adviser: Skip Lawver, Sp.A.  
122 Sill Hall  
734.487.1161  
glawver@emich.edu

This program will aim to:

- provide educational format for those IA/IT professionals who do not want to pursue a graduate degree but want to continue their education in the certificate format;
- provide opportunity for current graduates to complete two additional courses for certificate;
- provide an avenue for certification in one or more disciplines in information assurance;
- increase strong understanding of Information Assurance, Network Security, and Digital Investigations;
- nurture and instill the ethics involved in information technology; and
- develop and understand strategy, policy, and compliance issues.

This program will follow approved courses for the Information Assurance Degree Program allowing the student to choose what concentration he/she desires.

#### **Admission**

In order to be admitted to this program, students must:

- obtain a Baccalaureate degree from an accredited institution;
- have an undergraduate GPA of 2.75 or higher;
- have a goal statement as part of the admission application that is consistent with program objectives;
- submit a minimum of two letters of recommendation focusing on evidence of experience relevant to information security; and
- submit a goal statement demonstrating how the graduate certificate program will help the student's professional goals.

### Digital Investigations Concentration: 18 hours

- IA 529 - Foreign and Domestic Terrorism and Information Warfare 3 hrs
- IA 533 - Cybercrime I 3 hrs

- IA 557 - Cybercrime II 3 hrs
- IA 558 - Computer Forensics I 3 hrs
- IA 559 - Computer Forensics II 3 hrs
- IA 651 - Enterprise Incident Response 3 hrs

## Electives: 6 hours

Students must select two additional courses for 6 hours from the list of electives below.

- IA 532 - Audit Controls in Information Security 3 hrs
- IA 544 - Cyber Law and Compliance for IA Systems 3 hrs
- IA 622 - Risk, Vulnerability and Physical Analysis 3 hrs
- IA 642 - Enterprise Security 3 hrs
- IA 643 - Disaster Recovery - Business Continuity 3 hrs
- IA 645 - Data Mining for IA Security 3 hrs
- IA 646 - Open Source Security Administration 3 hrs
- IA 647 - Microsoft Windows Security Administration 3 hrs
- IA 650 - Ethical Hacking, Penetration Testing and Compliance 3 hrs

## Certificate Total: 24 hours

# Graduate Certificate in Hotel and Restaurant Management (HRM)

Adviser: Susan Gregory, Ph.D.  
 122 Sill Hall  
 734.487.1161  
 sgregory5@emich.edu

## Required Courses: 9 hours

- HRM 609 - Advanced Topics in Food-Service Management 3 hrs
- HRM 610 - Advanced Topics in Hospitality Management 3 hrs
- TS 509 - Research Methods in Technology Studies 3 hrs

## Supporting Courses: 9 hours

*Nine hours from the following:*

- HRM 519 - Human Resource Management in Hospitality and Nutrition Service 3 hrs
- HRM 521 - Quality Service Management 3 hrs
- HRM 560 - Service Strategies for Hospitality Industry 3 hrs
- HRM 587 - Cooperative Education in Hospitality Management 3 hrs
- HRM 590 - Special Topics 1 hr
- HRM 591 - Special Topics 2 hrs
- HRM 592 - Special Topics 3 hrs
- HRM 597 - Independent Study 1 hr



- HRM 598 - Independent Study 2 hrs
- HRM 599 - Independent Study 3 hrs
- HRM 607 - Colloquium 2 hrs
- HRM 626 - Productivity Management in Hospitality and Food-Service Facilities 3 hrs
- HRM 630 - International Hospitality Management 3 hrs
- HRM 640 - Contemporary Issues in Hospitality Strategy 3 hrs
- HRM 655 - Financial Strategies for Hospitality Operations 3 hrs
- HRM 679 - Special Topics 1 hr
- HRM 680 - Special Topics 2 hrs
- HRM 681 - Special Topics 3 hrs
- HRM 683 - Workshop 3 hrs
- HRM 686 - Practicum 1 hr
- HRM 687 - Practicum 2 hrs
- HRM 688 - Practicum 3 hrs
- HRM 689 - Practicum 4 hrs
- HRM 697 - Independent Study 1 hr
- HRM 698 - Independent Study 2 hrs
- HRM 699 - Independent Study 3 hrs

## Deficiencies

Courses determined in consultation with program adviser and completed prior to placement in planned program. Not counted in semester hours for master's degree but are additional credits required for deficient academic courses.

## Certificate Total: 18 hours

## Course Rotation Schedule

[Click here](#) to access the Course Rotation Schedules page for the courses required for this program.

## Undergraduate Courses for Graduate Credit: School of Technology Studies

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form from the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- AVT 422 - Senior Seminar in Aviation Management 3 hrs
- CMT 404 - Photo Communication Workshop 3 hrs
- CMT 409 - Emerging Technologies in Storage and Retrieval 3 hrs
- CMT 425 - Communication Technology and Social Change 3 hrs
- CMT 477 - Special Topics 1 hr
- CMT 478 - Special Topics 2 hrs
- CMT 479 - Special Topics 3 hrs
- HRM 450 - Meetings and Events Management 3 hrs
- HSEM 412 - Administration of Public Safety Agencies 3 hrs

- HSEM 434 - Hazardous Materials 3 hrs
- HSEM 435 - Incident Command 3 hrs
- HSEM 433 - Arson Investigation 3 hrs
- STS 420 - Women and Technology 3 hrs
- STS 495 - Technology, Values and the Future 3 hrs
- TM 415 - Senior Seminar in Technology Management 3 hrs
- TM 402 - Technology Project Management 3 hrs

## Graduate Certificate in Information Assurance Management (IAM)

Adviser: Skip Lawver, Sp.A.  
 122 Sill Hall  
 734.4887.1161  
 glawver@emich.edu

This program will aim to:

- provide educational format for those IA/IT professionals who do not want to pursue a graduate degree but want to continue their education in the certificate format;
- provide opportunity for current graduates to complete two additional courses for certificate;
- provide an avenue for certification in one or more disciplines in information assurance;
- increase strong understanding of Information Assurance, Network Security, and Digital Investigations;
- nurture and instill the ethics involved in information technology; and
- develop and understand strategy, policy, and compliance issues.

This program will follow approved courses for the Information Assurance Degree Program allowing the student to choose what concentration he/she desires.

### Admission

In order to be admitted to this program, students must:

- obtain a Baccalaureate degree from an accredited institution;
- have an undergraduate GPA of 2.75 or higher;
- have a goal statement as part of the admission application that is consistent with program objectives;
- submit a minimum of two letters of recommendation focusing on evidence of experience relevant to information security; and
- submit a goal statement demonstrating how the graduate certificate program will help the student's professional goals.

### Information Assurance Management Concentration: 18 hours

- IA 532 - Audit Controls in Information Security 3 hrs
- IA 544 - Cyber Law and Compliance for IA Systems 3 hrs

- IA 622 - Risk, Vulnerability and Physical Analysis 3 hrs
- IA 642 - Enterprise Security 3 hrs
- IA 643 - Disaster Recovery - Business Continuity 3 hrs
- IA 645 - Data Mining for IA Security 3 hrs

## Electives: 6 hours

Students must select two additional courses for 6 hours from the list of electives below.

- IA 529 - Foreign and Domestic Terrorism and Information Warfare 3 hrs
- IA 533 - Cybercrime I 3 hrs
- IA 557 - Cybercrime II 3 hrs
- IA 558 - Computer Forensics I 3 hrs
- IA 559 - Computer Forensics II 3 hrs
- IA 646 - Open Source Security Administration 3 hrs
- IA 647 - Microsoft Windows Security Administration 3 hrs
- IA 650 - Ethical Hacking, Penetration Testing and Compliance 3 hrs
- IA 651 - Enterprise Incident Response 3 hrs

## Certificate Total: 24 hours

# Graduate Certificate in Network Security (NS)

Adviser: Skip Lawver, Sp.A.  
 122 Sill Hall  
 734.487.1161  
 glawver@emich.edu

This program will aim to:

- provide educational format for those IA/IT professionals who do not want to pursue a graduate degree but want to continue their education in the certificate format;
- provide opportunity for current graduates to complete two additional courses for certificate;
- provide an avenue for certification in one or more disciplines in information assurance;
- increase strong understanding of Information Assurance, Network Security, and Digital Investigations;
- nurture and instill the ethics involved in information technology; and
- develop and understand strategy, policy, and compliance issues.

This program will follow approved courses for the Information Assurance Degree Program allowing the student to choose what concentration he/she desires.

### Admission

In order to be admitted to this program, students must:

- obtain a Baccalaureate degree from an accredited institution;

- have an undergraduate GPA of 2.75 or higher;
- have a goal statement as part of the admission application that is consistent with program objectives;
- submit a minimum of two letters of recommendation focusing on evidence of experience relevant to information security; and
- submit a goal statement demonstrating how the graduate certificate program will help the student's professional goals.

## Network Security Concentration: 18 hours

- IA 642 - Enterprise Security 3 hrs
- IA 645 - Data Mining for IA Security 3 hrs
- IA 646 - Open Source Security Administration 3 hrs
- IA 647 - Microsoft Windows Security Administration 3 hrs
- IA 650 - Ethical Hacking, Penetration Testing and Compliance 3 hrs
- IA 651 - Enterprise Incident Response 3 hrs

## Electives: 6 hours

Students must select two additional courses for 6 hours from the list of electives below.

- IA 529 - Foreign and Domestic Terrorism and Information Warfare 3 hrs
- IA 532 - Audit Controls in Information Security 3 hrs
- IA 533 - Cybercrime I 3 hrs
- IA 544 - Cyber Law and Compliance for IA Systems 3 hrs
- IA 557 - Cybercrime II 3 hrs
- IA 558 - Computer Forensics I 3 hrs
- IA 559 - Computer Forensics II 3 hrs
- IA 622 - Risk, Vulnerability and Physical Analysis 3 hrs
- IA 643 - Disaster Recovery - Business Continuity 3 hrs

## Certificate Total: 24 hours

## Master's

## Master of Science in Apparel Textiles and Merchandising (ATM)

Adviser: Subhas Ghosh, Ph.D.

122 Sill

734.487.2476

sghosh@emich.edu

### Objectives

The objective of the program is to provide the conceptual understanding and analytical and research skills needed for advanced study or professional practice. Each concentration offers an opportunity for the student and the adviser to create a program that reflects individual career and study goals.

## Required Department Courses: 9 hours

- ATM 625 - The Fashion Field 2 hrs
- ATM 634 - Consumer Problems in Clothing and Textiles 2 hrs
- ATM 644 - Recent Developments in Textiles 2 hrs
- TS 509 - Research Methods in Technology Studies 3 hrs

## Supporting Courses: 6-14 hours

*Six to fourteen hours from the following:*

- ATM 504 - History of Textiles 2 hrs
- ATM 590 - Special Topics 1 hr
- ATM 591 - Special Topics 2 hrs
- ATM 592 - Special Topics 3 hrs
- ATM 597 - Independent Study 1 hr
- ATM 598 - Independent Study 2 hrs
- ATM 599 - Independent Study 3 hrs
- ATM 607 - Colloquium 2 hrs
- ATM 635 - History of Costume 2 hrs
- ATM 645 - Clothing Design and Construction 2 hrs
- ATM 671 - Advanced Studies on Yarn and Fabric Construction 3 hrs
- ATM 675 - Textile Analysis 2 hrs
- ATM 679 - Special Topics 1 hr
- ATM 680 - Special Topics 2 hrs
- ATM 681 - Special Topics 3 hrs
- ATM 683 - Workshop 2 hrs
- ATM 686 - Practicum 1 hr
- ATM 687 - Practicum 2 hrs
- ATM 688 - Practicum 3 hrs
- ATM 689 - Practicum 4 hrs
- ATM 697 - Independent Study 1 hr
- ATM 698 - Independent Study 2 hrs
- ATM 699 - Independent Study 3 hrs

## Culminating Experience: 6 hours

*Select from either option I or option II:*

### Option I

- ATM 690 - Thesis III 1 hr
- ATM 691 - Thesis I 2 hrs
- ATM 692 - Thesis II 3 hrs

### Option II

- ATM 600 - Research I 2 hrs
- ATM 650 - Research III 1 hr
- ATM 695 - Research II 3 hrs

## Cognate Courses (courses taken outside the department): 2-10 hours

## Supporting Courses

*Additional courses selected in consultation with the graduate adviser.*

## Deficiencies

*Courses determined in consultation with program adviser and completed prior to placement on planned program. Not counted in semester hours for master's degree but are additional hours required for deficient academic courses.*

- ATM 118 - Apparel Studios 3 hrs
- ATM 212 - Textile Science I: Fibers & Yarns 3 hrs
- ATM 312 - Textile Science II: Fabric Formation, Dyeing and Finishing 3 hrs

## Program Total: 30 hours

## Undergraduate Courses for Graduate Credit: School of Technology Studies

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form from the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- AVT 422 - Senior Seminar in Aviation Management 3 hrs
- CMT 404 - Photo Communication Workshop 3 hrs
- CMT 409 - Emerging Technologies in Storage and Retrieval 3 hrs
- CMT 425 - Communication Technology and Social Change 3 hrs
- CMT 477 - Special Topics 1 hr
- CMT 478 - Special Topics 2 hrs
- CMT 479 - Special Topics 3 hrs
- HRM 450 - Meetings and Events Management 3 hrs
- HSEM 412 - Administration of Public Safety Agencies 3 hrs
- HSEM 434 - Hazardous Materials 3 hrs
- HSEM 435 - Incident Command 3 hrs
- HSEM 433 - Arson Investigation 3 hrs
- STS 420 - Women and Technology 3 hrs
- STS 495 - Technology, Values and the Future 3 hrs
- TM 415 - Senior Seminar in Technology Management 3 hrs
- TM 402 - Technology Project Management 3 hrs

# Master of Science in Hotel and Restaurant Management (HRM)

Adviser: Susan Gregory, Ph.D.  
122 Sill Hall  
734.487.1161  
sgregory5@emich.edu

The graduate curriculum in this program is designed to provide a broad philosophy of the fields in the hospitality industry, with in-depth concentration in the areas of hotel and restaurant management.

## Objectives

The objective of the program is to provide the conceptual understanding and analytical and research skills needed for advanced study or professional practice. Each concentration offers an opportunity for the student and the adviser to create a program that reflects individual career and study goals.

## Required Courses: 9 hours

- HRM 609 - Advanced Topics in Food-Service Management 3 hrs
- HRM 610 - Advanced Topics in Hospitality Management 3 hrs
- TS 509 - Research Methods in Technology Studies 3 hrs

## Supporting Courses: 10-16 hours

*10 to 16 hours from the following:*

- HRM 519 - Human Resource Management in Hospitality and Nutrition Service 3 hrs
- HRM 521 - Quality Service Management 3 hrs
- HRM 560 - Service Strategies for Hospitality Industry 3 hrs
- HRM 587 - Cooperative Education in Hospitality Management 3 hrs
- HRM 590 - Special Topics 1 hr
- HRM 591 - Special Topics 2 hrs
- HRM 592 - Special Topics 3 hrs
- HRM 597 - Independent Study 1 hr
- HRM 598 - Independent Study 2 hrs
- HRM 599 - Independent Study 3 hrs
- HRM 607 - Colloquium 2 hrs
- HRM 626 - Productivity Management in Hospitality and Food-Service Facilities 3 hrs
- HRM 630 - International Hospitality Management 3 hrs
- HRM 640 - Contemporary Issues in Hospitality Strategy 3 hrs
- HRM 655 - Financial Strategies for Hospitality Operations 3 hrs
- HRM 679 - Special Topics 1 hr
- HRM 680 - Special Topics 2 hrs
- HRM 681 - Special Topics 3 hrs
- HRM 683 - Workshop 3 hrs
- HRM 686 - Practicum 1 hr
- HRM 687 - Practicum 2 hrs
- HRM 688 - Practicum 3 hrs
- HRM 689 - Practicum 4 hrs

- HRM 697 - Independent Study 1 hr
- HRM 698 - Independent Study 2 hrs
- HRM 699 - Independent Study 3 hrs

## Culminating Experience: 3-6 hours

*Select from either option I, II or III:*

### Option I

- HRM 690 - Thesis III 1 hr
- HRM 691 - Thesis I 2 hrs
- HRM 692 - Thesis II 3 hrs

### Option II

- HRM 600 - Research I 2 hrs
- HRM 650 - Research III 1 hr
- HRM 695 - Research II 3 hrs

### Option III

- HRM 685 - Hospitality Operations Management Project 3 hrs

## Cognate Courses (courses taken outside the department): 2-6 hours

## Supporting Courses

*Additional courses selected in consultation with the graduate adviser.*

## Deficiencies

*Courses determined in consultation with program adviser and completed prior to placement on planned program. Not counted in semester hours for master's degree but are additional hours required for deficient academic courses.*

## Program Total: 30 hours

## Course Rotation Schedule

Click [here](#) to access the Course Rotation Schedules page for the courses required for this program.

## Undergraduate Courses for Graduate Credit: School of Technology Studies

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.



If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form from the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- AVT 422 - Senior Seminar in Aviation Management 3 hrs
- CMT 404 - Photo Communication Workshop 3 hrs
- CMT 409 - Emerging Technologies in Storage and Retrieval 3 hrs
- CMT 425 - Communication Technology and Social Change 3 hrs
- CMT 477 - Special Topics 1 hr
- CMT 478 - Special Topics 2 hrs
- CMT 479 - Special Topics 3 hrs
- HRM 450 - Meetings and Events Management 3 hrs
- HSEM 412 - Administration of Public Safety Agencies 3 hrs
- HSEM 434 - Hazardous Materials 3 hrs
- HSEM 435 - Incident Command 3 hrs
- HSEM 433 - Arson Investigation 3 hrs
- STS 420 - Women and Technology 3 hrs
- STS 495 - Technology, Values and the Future 3 hrs
- TM 415 - Senior Seminar in Technology Management 3 hrs
- TM 402 - Technology Project Management 3 hrs

## **Master of Science in Technology Studies (MS-TC)**

Adviser: Denise Pilato, Ph.D.

126 Sill Hall

734.487.1161

dpilato@emich.edu

This Masters of Science in Technology Studies (MS-TC) degree program prepares students for promotions and managerial, administrative, or consulting positions with technology-based organizations addressing the social, political, moral and economic effects of technology. The program offers flexibility that enables students to design their programs of study to meet specific education and employment objectives.

Students will acquire knowledge related to:

1. Central concepts and issues related to the study of technology and society;
2. Significant technical developments and their effects on individuals, societies, the environment, and the workplace;
3. The integration of information from various sources and disciplines to solve sociotechnical problems; and
4. Major tools and methodologies for assessing technology's impact on society.

The MS-TC program promotes flexibility, enabling students to design more than one-half of the program to suit specific education and employment objectives. Working students can pursue a degree either full-time or part-time, with all core courses offered in multiple formats, including evening, hybrid, and online.

### **Admission Requirements**

Applicants must:

1. Have a Bachelor's degree from an accredited institution;
2. Have a minimum GPA of 2.7 (or 3.0 in their final 60 hours of undergraduate study);

3. Submit two letters of recommendation to be included with the application for graduate school submitted to EMU's Office of Admissions; and
4. In the case of international students, meet the Graduate School minimum scores for the TOEFL, MELAB, or IELTS. See the Admissions web site for minimum scores.

*Note:*

*In addition, a program planning interview with an adviser is recommended upon admission.*

#### **Conditional or Nondegree Admission Status**

Conditional admission may be granted to students who meet the degree admission requirements of the Office of Graduate Studies and Research, but have undergraduate curricular deficiencies or do not meet other departmental admission requirements.

Nondegree admission (status I: academic deficiencies) may be granted to promising students who do not meet undergraduate GPA requirements. Students may not repeat courses to attain the required GPA.

Students who meet the probationary requirements of conditional or nondegree admission will be granted regular admission after completing 10 hours of course work (identified with the adviser) with a 3.3 average.

#### **Program Requirements**

A total of 31 hours as required for the Masters of Science in Technology Studies:

1. 12 credit hours of the core curriculum
2. A minimum of 15 credit hours of complementary concentration
3. Four to six hours of capstone experience

## **Course Requirements**

The MS-TC requires the completion of at least 31 hours of course work to be distributed among required core courses, complementary concentration courses and capstone experience courses:

### **Core courses: 12 hours**

- TS 505 - Introduction to Technology and Society 3 hrs
- TS 506 - Patterns of Change in Technology and Culture 3 hrs
- TS 508 - Contemporary Trends in Technology and Society 3 hrs
- TS 509 - Research Methods in Technology Studies 3 hrs

### **Concentration courses: 15-18 hours**

Select one concentration from the following:

### **Technology Management: 15 hours**

- TM 510 - Principles of Managing Technological Enterprises 3 hrs
- TM 555 - Technology and Organization 3 hrs
- TM 560 - Technology and Labor Relations 3 hrs
- TM 565 - Technology and Training 3 hrs
- TM 615 - Implementing and Managing Technological Change 3 hrs

## Interdisciplinary Studies: 15 hours

Examples include:

Technology and Culture  
Communications  
Computer Science  
Management and Marketing  
Public Administration  
Women's and Gender Studies

## Information Assurance: 18 hours

Any combination of courses from the following three concentrations:

Information Assurance Management Concentration  
Network Security Administration Concentration  
Digital Investigations Concentration

## Information Assurance Management: 18 hours

- IA 532 - Audit Controls in Information Security 3 hrs
- IA 544 - Cyber Law and Compliance for IA Systems 3 hrs
- IA 622 - Risk, Vulnerability and Physical Analysis 3 hrs
- IA 642 - Enterprise Security 3 hrs
- IA 643 - Disaster Recovery - Business Continuity 3 hrs
- IA 645 - Data Mining for IA Security 3 hrs

## Network Security Administration: 18 hrs

- IA 642 - Enterprise Security 3 hrs
- IA 643 - Disaster Recovery - Business Continuity 3 hrs
- IA 646 - Open Source Security Administration 3 hrs
- IA 647 - Microsoft Windows Security Administration 3 hrs
- IA 650 - Ethical Hacking, Penetration Testing and Compliance 3 hrs
- IA 651 - Enterprise Incident Response 3 hrs

## Digital Investigations Concentration: 18 hrs

- IA 529 - Foreign and Domestic Terrorism and Information Warfare 3 hrs
- IA 533 - Cybercrime I 3 hrs
- IA 557 - Cybercrime II 3 hrs
- IA 558 - Computer Forensics I 3 hrs
- IA 559 - Computer Forensics II 3 hrs
- IA 651 - Enterprise Incident Response 3 hrs

## Homeland Security and Emergency Management: 15 hours

- IA 529 - Foreign and Domestic Terrorism and Information Warfare 3 hrs
- SSC 525 - Management/Leadership for Homeland Security 2 hrs
- SSC 530 - Administrating the Public Safety Agency 2 hrs
- SSC 535 - Planning and Decision Making for Homeland Security 2 hrs
- SSC 540 - Human Resource Management in Public Safety Agencies 2 hrs
- SSC 545 - Managing the critical Incident for Homeland Security 2 hrs
- SSC 550 - Managing Technology in the Public Safety Environment 2 hrs

## Career, Technical and Workforce Education: 15 hours

- CTWE 611 - Curriculum Frameworks in Career, Technical and Workforce Education 3 hrs
- CTWE 661 - Evaluation Standards and Strategies in Career, Technical and Workforce Education 3 hrs

## Specialization Courses: 9 hours

*Nine additional credit hours selected in consultation with a graduate adviser from the disciplines of business or technology education, or from other units within the college or from related fields outside the college.*

## Capstone Experience Courses: 4-6 hours

*Select from either option I or option II*

### Option I: Capstone Project

- TS 691 - Proposal Development 1 hr
- TS 693 - Capstone Project 3 hrs

### Option II: Thesis

- TS 691 - Proposal Development 1 hr
- TS 695 - Thesis 5 hrs

## Program Total: 31-36 hours

## Undergraduate Courses for Graduate Credit: School of Technology Studies

The following courses may be elected for graduate credit. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form from the Graduate School to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- AVT 422 - Senior Seminar in Aviation Management 3 hrs
- CMT 404 - Photo Communication Workshop 3 hrs
- CMT 409 - Emerging Technologies in Storage and Retrieval 3 hrs
- CMT 425 - Communication Technology and Social Change 3 hrs

- CMT 477 - Special Topics 1 hr
- CMT 478 - Special Topics 2 hrs
- CMT 479 - Special Topics 3 hrs
- HRM 450 - Meetings and Events Management 3 hrs
- HSEM 412 - Administration of Public Safety Agencies 3 hrs
- HSEM 434 - Hazardous Materials 3 hrs
- HSEM 435 - Incident Command 3 hrs
- HSEM 433 - Arson Investigation 3 hrs
- STS 420 - Women and Technology 3 hrs
- STS 495 - Technology, Values and the Future 3 hrs
- TM 415 - Senior Seminar in Technology Management 3 hrs
- TM 402 - Technology Project Management 3 hrs

## **Apparel Textiles and merchandising**

### **ATM 504 - History of Textiles**

Study of textiles from ancient times to the 20th century; fibers, fabric construction, dyes, finishes and design of textiles from various world regions; emphasis on the development of American textiles.

**Credit Hours:** 2 hrs

### **ATM 587 - Cooperative Education**

Provides practical experience in the student's concentration for four to six months of full-time employment with an individual employer. May not be used on 30-hour program plan for the master's degree.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no credit basis.

### **ATM 590 - Special Topics**

An experimental course designed to investigate specific topics of concern in the specialization areas of study. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **ATM 591 - Special Topics**

An experimental course designed to investigate specific topics of concern in the specialization areas of study. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **ATM 592 - Special Topics**

An experimental course designed to investigate specific topics of concern in the specialization areas of study. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **ATM 597 - Independent Study**

An intensive study of a selected professional problem, under the direction of a faculty adviser.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **ATM 598 - Independent Study**

An intensive study of a selected professional problem, under the direction of a faculty adviser.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **ATM 599 - Independent Study**

An intensive study of a selected professional problem, under the direction of a faculty adviser.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **ATM 600 - Research I**

Application of the research process through development of a research project proposal for the culminating experience of the student's graduate program of study. Focus will be on writing chapters 1-3 of the research project report.

**Credit Hours:** 2 hrs

**Prerequisites:** DTC 500 and EDPS 621

**Last Updated:** May 2011

### **ATM 607 - Colloquium**

A study of selected topics in textiles, design and merchandising that addresses specific issues and taught in seminar classes. Emphasis is given to the current issues in the business and also presentations of the technical reports.

**Credit Hours:** 2 hrs

### **ATM 625 - The Fashion Field**

The nature of fashion, the psychology of fashion, general definitions and background, fashion movements, the fashion centers, fashion trends and the major fashion designers.

**Credit Hours:** 2 hrs

## **ATM 634 - Consumer Problems in Clothing and Textiles**

Investigation of the sociological, psychological and economic factors involved in the selection and use of textiles and clothing.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **ATM 635 - History of Costume**

The costume from ancient times to the present day; major characteristics; social, economic and aesthetic influences; recurring styles; influence on present fashion.

**Credit Hours:** 2 hrs

**Prerequisites:** a course in history

## **ATM 639 - Continuous Enrollment**

Graduate students who are completing research (Master's or Specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **ATM 644 - Recent Developments in Textiles**

The nature of textile fibers; economic, chemical and physical problems related to their manufacture and use; technological advances to overcome these problems. Smart fabrics and nanotechnology are taught.

**Credit Hours:** 2 hrs

## **ATM 645 - Clothing Design and Construction**

Principles of flat pattern design, with application to a variety of styles and fabrics. Special problems in fitting, adaptations of design and processes of construction.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **ATM 650 - Research III**

Presentation of culminating experience with emphasis on oral and written methods and skill development. Focus is on research project oral presentation and preparation of a poster presentation and a manuscript.

**Credit Hours:** 1 hr

**Prerequisites:** ATM 695

**Last Updated:** May 2011

## **ATM 667 - Fabric Design for the Home**

Advanced work in experimental design with fabrics, with emphasis on use in the home.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **ATM 671 - Advanced Studies on Yarn and Fabric Construction**

An intensive study of textile yarns and fabrics. Both staple and filament yarns constructions and manufacturing are discussed. Basic engineering properties such as tensile properties including complex modulus, providing strength as well as flexural rigidity of yarns are taught. Various fabric structures and their properties such as fabric hand, acoustic property, and mechanical properties are discussed. Fabric's mechanical properties are related to its performance in use.

**Credit Hours:** 3 hrs

### **ATM 675 - Textile Analysis**

The chemical and physical analysis of fibers, yarns, fabrics and finishes; equipment and techniques used; interpretation of data; presentation of findings to the consumer; textile standards; current textile literature.

**Credit Hours:** 2 hrs

**Prerequisites:** ATM 644 or department permission

**Last Updated:** May 2011

### **ATM 679 - Special Topics**

An experimental course designed to investigate specific topics of concern in the specialization areas of study. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **ATM 680 - Special Topics**

An experimental course designed to investigate specific topics of concern in the specialization areas of study. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **ATM 681 - Special Topics**

An experimental course designed to investigate specific topics of concern in the specialization areas of study. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **ATM 683 - Workshop**

This is a fast track intensive learning of special topics in textile and fashion in a workshop environment conducted by faculty. It is intended to enhance knowledge in current developments, techniques and business in ATM.



**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **ATM 686 - Practicum**

Supervised work experience in field placement/internship site determined by student and adviser.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **ATM 687 - Practicum**

Supervised work experience in field placement/internship site determined by student and adviser.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **ATM 688 - Practicum**

Supervised work experience in field placement/internship site determined by student and adviser.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **ATM 689 - Practicum**

Supervised work experience in field placement/internship site determined by student and adviser.

**Credit Hours:** 4 hrs

**Prerequisites:** department permission

### **ATM 690 - Thesis III**

Presentation of thesis research with emphasis on oral and written methods and skill development. Focus is on thesis defense and preparation of a poster presentation and manuscript.

**Credit Hours:** 1 hr

**Prerequisites:** ATM 692 and department permission

**Last Updated:** May 2011

### **ATM 691 - Thesis I**

Application of the research process through development of a thesis project proposal for the culminating experience of the student's graduate program of study. Focus will be on writing chapters 1-3 of the thesis.

**Credit Hours:** 2 hrs

**Prerequisites:** DTC 500 and EDPS 621

**Last Updated:** May 2011

## **ATM 692 - Thesis II**

Execution of a research project and preparation of thesis as the culminating experience for the student's graduate program of study. Focus will be on revising chapters 1-3 and writing chapters 4-5 of the thesis.

**Credit Hours:** 3 hrs

**Prerequisites:** ATM 691 and department permission

**Last Updated:** May 2011

## **ATM 695 - Research II**

Execution of a research project and preparation of a written report as the culminating experience for the student's graduate program of study. Focus will be on revising chapters 1-3 and writing chapters 4-5 of the research project report.

**Credit Hours:** 3 hrs

**Prerequisites:** ATM 600

**Last Updated:** May 2011

## **ATM 697 - Independent Study**

An intensive study of a selected professional problem, under the direction of a faculty adviser.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **ATM 698 - Independent Study**

An intensive study of a selected professional problem, under the direction of a faculty adviser.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **ATM 699 - Independent Study**

An intensive study of a selected professional problem, under the direction of a faculty adviser.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **Aviation Technology**

### **AVT 422 - Senior Seminar in Aviation Management**

Current issues in aviation management will be explored using group and individual projects and analysis of case studies. Research, analysis and application of skills and knowledge acquired in other course work will be stressed.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

## **AVT 507 - Risk, Safety and the Air Transport Industry**

This course will provide an analysis of the current state of, and possible future developments in, air transportation safety, with emphasis on the affects of risk analysis, risk management, system safety, human factors research and the development of new technologies, together with the role of management in the development of an effective safety posture.

**Credit Hours:** 3 hrs

## **AVT 519 - Issues and Trends in Aviation**

This course will present and analyze current and expected future world aviation issues and trends in areas including technology, regulations, policy, training, airspace, manufacturing and safety.

**Credit Hours:** 3 hrs

## **AVT 587 - Cooperative Education**

**Credit Hours:** 3 hrs

## **AVT 590 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Class Restrictions:** Graduate standing

## **AVT 591 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Class Restrictions:** Graduate standing

## **AVT 592 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Class Restrictions:** Graduate standing

## **AVT 593 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 4 hrs

**Prerequisites:** department permission

**Class Restrictions:** Graduate standing

### **AVT 597 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **AVT 598 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **AVT 599 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **AVT 620 - Aviation Performance Technology**

This course will present assessment and evaluation methods used to determine the safety status of aviation organizations. These methods are drawn from the field of performance technology.

**Credit Hours:** 3 hrs

### **AVT 679 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Class Restrictions:** Graduate standing

### **AVT 680 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Class Restrictions:** Graduate standing

## **AVT 681 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Class Restrictions:** Graduate standing

## **AVT 690 - Thesis**

Completion of research problem, writing thesis and defense of thesis.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no credit basis.

## **AVT 691 - Thesis**

Completion of research problem, writing thesis and defense of thesis.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no credit basis.

## **AVT 692 - Thesis**

Completion of research problem, writing thesis and defense of thesis.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no credit basis.

## **AVT 697 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **AVT 698 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **AVT 699 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **Career, Technical and Workforce Education**

### **CTWE 504 - Career Exploration and Preparation**

Practical applications of experience-based career education will be examined as related to secondary school industrial education. Field visitations and public school resource personnel will illustrate to the experienced teacher practical applications of the exploratory and preparatory concepts of career education. Also open to departmental majors.

**Credit Hours:** 2 hrs

### **CTWE 520 - Current Issues in Marketing Education**

Major contemporary issues in marketing education will be identified, researched and discussed. Potential issues emanating from social, economic and political forces will be addressed. Position and reaction papers will be developed.

**Credit Hours:** 2 hrs

### **CTWE 524 - Microcomputers in Business Education**

Hands-on experience using software with applications for classroom management (such as grade records and test banks) and classroom instruction (such as simulation).

**Credit Hours:** 2 hrs

**Class Restrictions:** Graduate standing; Senior standing (2.5 GPA) with permission of department and Graduate School

### **CTWE 525 - International Business Education**

Study of global factors that influence business education curricula, and an analysis of comparative curricula of several countries.

**Credit Hours:** 2 hrs

**Prerequisites:** May involve experiences in foreign environment, including attendance at annual ISBE/SIEC conferences.

### **CTWE 526 - Basic Business and Economic Education for Teachers**

This course is designed to prepare teachers for the task of teaching economic education. Topics will include scarcity, choices and incentives, fiscal and monetary policy, competition, role of government, business models and foreign exchange rates.

**Credit Hours:** 3 hrs

**Prerequisites:** six hours of economics or department permission

### **CTWE 530 - Technology in the Workplace**

The applications of technology in business, industrial and service institutions will be viewed through a series of field visitations. Implications for educational programs that prepare employees for those institutions will be defined.

**Credit Hours:** 2 hrs

**Major Restrictions:** Technology Education Major or Graduate standing

### **CTWE 551 - Philosophy of Technology Education**

Philosophical viewpoints concerning technology education and industrial-vocational education; historical development and philosophical justification of modern programs.

**Credit Hours:** 3 hrs

### **CTWE 560 - Entrepreneurship Education**

Provides orientation to the entrepreneurial process and development of a philosophical base for teaching. Curriculum and methods appropriate to the participants' school setting are identified. Plans for implementation are designed.

**Credit Hours:** 2 hrs

### **CTWE 568 - Coordination of Cooperative Education Programs**

Analyzes the duties and responsibilities of the cooperative education coordinator. Focus on human and public relations, related instruction and program development. Required for all potential coordinators, school administrators and vocational teacher education students.

**Credit Hours:** 2 hrs

### **CTWE 569 - Foundations of Business Education**

The historical, economic, sociological and psychological foundations of business education. The course focuses on basic business, vocational business and vocational marketing, and the forces, including legislation, that shape instruction and curriculum developments in these areas. In addition to the foundations, students will formulate a professional development plan and a statement of educational philosophy.

**Credit Hours:** 3 hrs

### **CTWE 607 - Colloquium**

A series of academic meetings led by a specialist on topics pertinent to graduate students concerning theory and/or practice in career, technical and workforce education.

**Credit Hours:** 2 hrs

### **CTWE 611 - Curriculum Frameworks in Career, Technical and Workforce Education**

This course emphasizes the social, political and economic factors influencing design and revision of curriculum in special programs such as Tech Prep and School-to-Work, as they impact technological literacy in the workplace, are addressed.

**Credit Hours:** 3 hrs

### **CTWE 614 - Advanced Approaches to Marketing Education Curriculum and Instruction**

Advances in (a) curriculum, (b) methods, (c) DECA, (d) school store and (e) co-op will be evaluated. Plans, procedures and products will be developed for implementation and utilization. Emphasis will be on areas of primary concern to enrollees.

**Credit Hours:** 2 hrs

### **CTWE 639 - Continuous Enrollment**

Graduate students who are completing research (Master's or Specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Course is offered on a credit/no-credit basis

### **CTWE 651 - Administration of Vocational-Technical Education**

Focuses on the legislation, programs, planning and regulations that are unique to vocational education and to the administrative functions that are directly related. Recommended for school administrators and vocational teacher education students.

**Credit Hours:** 2 hrs

### **CTWE 661 - Evaluation Standards and Strategies in Career, Technical and Workforce Education**

This course is concerned with standards and strategies of student and program evaluation as they relate to assessing technological literacy in career, technical and workforce education. The challenge inherent in evaluating special programs such as Tech Prep and School-to-Work will be addressed.

**Credit Hours:** 3 hrs

### **CTWE 665 - Trends and Administration in Career, Technical and Workforce Education**

This course will focus on changes in career, technical and workforce education affecting business and technology education programs. Issues will include the areas of Legislation, recruitment, employment, curriculum, administration and funding.

**Credit Hours:** 3 hrs

### **CTWE 678 - Research in Business and Technology Education**

A review of basic research techniques applied to business, marketing and technology education areas. Studies are analyzed in light of research processes and conclusions. Students become involved in the design and application of research methodology to projects appropriate to classrooms.

**Credit Hours:** 3 hrs

## **Communication Technology**

### **CMT 404 - Photo Communication Workshop**



Selected topics in photo communications, such as commercial and industrial photography, photo journalism, sensitometry and photography, and photo processing. The class schedule describes the specific topic being offered during a given semester.

**Credit Hours:** 3 hrs

**Prerequisites:** CMT 304

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **CMT 409 - Emerging Technologies in Storage and Retrieval**

Conventional as well as emerging technologies of information storage and retrieval. Lecture and laboratory.

**Credit Hours:** 3 hrs

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

## **CMT 425 - Communication Technology and Social Change**

The social implications of recent and future developments in communication technology. The effects upon education, research and scientific knowledge, business and entertainment.

**Credit Hours:** 3 hrs

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

## **CMT 477 - Special Topics**

An exploration and study of topics not covered in other departmental offerings. Students may elect more than once, provided different topics are studied.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

## **CMT 478 - Special Topics**

An exploration and study of topics not covered in other departmental offerings. Students may elect more than once, provided different topics are studied.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

## **CMT 479 - Special Topics**

An exploration and study of topics not covered in other departmental offerings. Students may elect more than once, provided different topics are studied.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

## **CMT 587 - Cooperative Education**

**Credit Hours:** 3 hrs

## **CMT 590 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Class Restrictions:** Graduate standing or department permission

## **CMT 591 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Class Restrictions:** Graduate standing or department permission

## **CMT 592 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Class Restrictions:** Graduate standing or department permission

## **CMT 593 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 4 hrs

**Class Restrictions:** Graduate standing or department permission

## **CMT 597 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **CMT 598 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **CMT 599 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **CMT 679 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Class Restrictions:** Graduate standing or department permission

### **CMT 680 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Class Restrictions:** Graduate standing or department permission

### **CMT 681 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

### **CMT 690 - Thesis**

Completion of research problem, writing thesis and defense of thesis.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no credit basis.

### **CMT 691 - Thesis**

Completion of research problem, writing thesis and defense of thesis.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no credit basis.

## **CMT 692 - Thesis**

Completion of research problem, writing thesis and defense of thesis.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no credit basis.

## **CMT 697 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **CMT 698 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **CMT 699 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

# **Hotel and Restaurant Management**

## **HRM 450 - Meetings and Events Management**

Overview of meeting planning, and events management with emphasis on defining the management of events. Discussion of components of various types of events, negotiating contracts, facilities, costing, support services and legal issues will be covered. Students will be required to assist with several events planned during the semester.

**Credit Hours:** 3 hrs

**Prerequisites:** HRM 180 and HRM 251

**Class Restrictions:** Senior standing

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012; Graduate Credit 07/2011; Links 06/2011

## **HRM 519 - Human Resource Management in Hospitality and Nutrition Service**

This course is designed to give the student a sound theoretical and practical perspective on the management of hospitality human resources. Major trends and current issues pertaining to planning, recruitment and selection, training and development, compensation, and labor relations will be examined to make optimal use of human resources.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012

## **HRM 521 - Quality Service Management**

This course is designed to explore, challenge and define the principles of guest service management in any hospitality organization. Topics include characteristics and attributes of service, analysis of service gaps and development of service strategies to address these gaps and develop service recovery procedures.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012

## **HRM 560 - Service Strategies for Hospitality Industry**

A review of current service strategies used to provide total guest satisfaction in customer contact areas, facilities provided and marketing/promotion of lodging properties and food-service operations.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012

## **HRM 585 - Global Hospitality Management - Study Abroad**

This study abroad tour to Europe is designed to familiarize students with European hospitality management. This eight day trip will include visits to two major European cities, which will vary from year to year. Topics will include cultural impacts on lodging and food and beverage operations in the European Economic Community.

**Credit Hours:** 3 hrs

**Prerequisites:** Two graduate level HRM courses and admitted to the Hotel and Restaurant Management Program.

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012

## **HRM 587 - Cooperative Education in Hospitality Management**

Provides practical experience in the student's concentration for four to six months of full-time employment with an individual employer. May not be used on 30-hour program plan for the master's degree.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Notes:** Offered on a credit/no-credit basis.

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012

## **HRM 590 - Special Topics**

An experimental course designed to investigate specific topics of concern in the specialization areas of study. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **HRM 591 - Special Topics**

An experimental course designed to investigate specific topics of concern in the specialization areas of study. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **HRM 592 - Special Topics**

An experimental course designed to investigate specific topics of concern in the specialization areas of study. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **HRM 597 - Independent Study**

An intensive study of a selected professional problem, under the direction of a faculty adviser.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012

### **HRM 598 - Independent Study**

An intensive study of a selected professional problem, under the direction of a faculty adviser.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **HRM 599 - Independent Study**

An intensive study of a selected professional problem, under the direction of a faculty adviser.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **HRM 600 - Research I**

Application of the research process through development of a research project proposal for the culminating experience of the student's graduate program of study. Focus will be on writing chapters 1-3 of the research project report.

**Credit Hours:** 2 hrs

**Prerequisites:** DTC 500 and EDPS 621

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Link 05/2012

## **HRM 607 - Colloquium**

A colloquium exploring research on contemporary topics of relevance to the hospitality industry professional.

**Credit Hours:** 2 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012

## **HRM 609 - Advanced Topics in Food-Service Management**

This course is an in depth study of the major trends and current issues of concern to the food service management professional. Issues pertaining to the identification and analysis of events, trends and forces arising from the external environment will be explored. These include economic, technological, political and regulatory environments, and sociocultural trends.

**Credit Hours:** 3 hrs

**Prerequisites:** a course in food service/meal management or department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012

## **HRM 610 - Advanced Topics in Hospitality Management**

This course is an in-depth study of the major trends and current issues of concern to the hospitality management professional. Issues pertaining to the identification and analysis of events, trends and forces arising from the external environment will be explored. These include economic, technological, political and regulatory environments, and socio-cultural trends.

**Credit Hours:** 3 hrs

**Prerequisites:** two courses in hospitality/food-service management or department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012

## **HRM 626 - Productivity Management in Hospitality and Food-Service Facilities**

Review of productivity as related to human resource management, work methods, supplies and equipment, technology innovations, work environments and worker wellness, while maintaining cost and quality standards.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012

## **HRM 630 - International Hospitality Management**

This course is focused on providing a better understanding and deeper appreciation of management and marketing applications within a globalized context. The course presents a systematic approach to preparing students for leadership roles in tomorrow's worldwide hospitality industry.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012

## **HRM 640 - Contemporary Issues in Hospitality Strategy**

The focus of this course is to develop an understanding of basic strategic management concepts as applied in the hospitality industry. Students will have the opportunity to apply concepts, tools and techniques that have been widely used by strategic planners effecting hotel, restaurant and tourism business in the 21st century.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012

### **HRM 650 - Research III**

Presentation of culminating experience with emphasis on oral and written methods and skill development. Focus is on research project oral presentation and preparation of a poster presentation and a manuscript.

**Credit Hours:** 1 hr

**Prerequisites:** HRM 695

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Link 5/2012; Links 05/2011

### **HRM 655 - Financial Strategies for Hospitality Operations**

A review of current cost control strategies used to manage food and beverage operations, human resources, facility maintenance/engineering, marketing of lodging properties and food-service operations.

**Credit Hours:** 3 hrs

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012

### **HRM 679 - Special Topics**

An experimental course designed to investigate specific topics of concern in the specialization areas of study. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **HRM 680 - Special Topics**

An experimental course designed to investigate specific topics of concern in the specialization areas of study. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **HRM 681 - Special Topics**

An experimental course designed to investigate specific topics of concern in the specialization areas of study. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission



## **HRM 683 - Workshop**

A workshop guided toward problems and practical concerns resulting from current trends of immediate concern to the hospitality professional.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Course Rotation Schedules

**Last Updated:** link 5/2012

## **HRM 685 - Hospitality Operations Management Project**

This culminating class is an in-depth study of the application of knowledge and skills acquired through classroom study and industry work experience. The use of strategic vision and planning when addressing current operational problems in food service of lodging site involving human resources, financial impact, marketing, service quality and global application issues will be included.

**Credit Hours:** 3 hrs

**Prerequisites:** admission hotel and restaurant master's program, department permission, HRM 609, HRM 610, TS 507 and three 500- or 600-level HRM courses

**Terms Offered:** Course Rotation Schedules

**Last Updated:** Links 05/2011

## **HRM 686 - Practicum**

Supervised work experience in field placement/internship site determined by student and adviser.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **HRM 687 - Practicum**

Supervised work experience in field placement/internship site determined by student and adviser.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **HRM 688 - Practicum**

Supervised work experience in field placement/internship site determined by student and adviser.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **HRM 689 - Practicum**

Supervised work experience in field placement/internship site determined by student and adviser.

**Credit Hours:** 4 hrs

**Prerequisites:** department permission

## **HRM 690 - Thesis III**

Presentation of thesis research with emphasis on oral and written methods and skill development. Focus is on thesis defense and preparation of a poster presentation and manuscript.

**Credit Hours:** 1 hr

**Prerequisites:** HRM 692

**Last Updated:** Links 05/2011

## **HRM 691 - Thesis I**

Application of the research process through development of a thesis project proposal for the culminating experience of the student's graduate program of study. Focus will be on writing chapters 1-3 of the thesis.

**Credit Hours:** 2 hrs

**Prerequisites:** DTC 500 and EDPS 621

**Last Updated:** Links 05/2011

## **HRM 692 - Thesis II**

Execution of a research project and preparation of thesis as the culminating experience for the student's graduate program of study. Focus will be on revising chapters 1-3 and writing chapters 4-5 of the thesis.

**Credit Hours:** 3 hrs

**Prerequisites:** HRM 691 and department permission

**Last Updated:** Links 05/2011

## **HRM 695 - Research II**

Execution of a research project and preparation of a written report as the culminating experience for the student's graduate program of study. Focus will be on revising chapters 1-3 and writing chapters 4-5 of the research project report.

**Credit Hours:** 3 hrs

**Prerequisites:** HRM 600

**Last Updated:** Links 05/2011

## **HRM 697 - Independent Study**

An intensive study of a selected professional problem, under the direction of a faculty adviser.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **HRM 698 - Independent Study**

An intensive study of a selected professional problem, under the direction of a faculty adviser.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **HRM 699 - Independent Study**

An intensive study of a selected professional problem, under the direction of a faculty adviser.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **Information Assurance**

### **IA 529 - Foreign and Domestic Terrorism and Information Warfare**

This is a technical course that provides for the preparation and response to a foreign or domestic act of terrorism. Students will explore the technology of weapons of mass destruction, how to prepare their communities, respond to the incident, and mitigate the effects of a terrorist act.

**Credit Hours:** 3 hrs

**Previously Listed as:** SSC529

**Last Updated:** 2/10/2011

### **IA 532 - Audit Controls in Information Security**

A course for the information system security professional, emphasizing the audit and control of information systems. The course follows the curricula recommendations of the Information Systems Audit and Control Association (ISACA), Information Systems Audit and Control Foundation (ISACF) and uses Control Objectives for Information and Related Technology (COBIT).

**Credit Hours:** 3 hrs

**Prerequisites:** IA 642 and IA 543

**Last Updated:** Links 05/2011

### **IA 533 - Cybercrime I**

Intensive hands on investigation of computer related crime designed for the profession as an electronic crime investigator. Course prepares students to become effective cyber crime investigators. Students will identify, evaluate, classify and demonstrate proficiency in investigating computer related crimes. Students subject to background investigation prior to admittance.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Last Updated:** 2/10/2011

### **IA 543 - Systems Operating Environment for Information Security Systems Administrators**

Discusses specific information security technical defenses including operating system security, network security, infrastructure protection, approaches to protecting against viruses and rogue code, firewalls, identification and authentication, and encryption and public key infrastructure (PKI). Concepts such as quality assurance in an information security environment, anti-piracy techniques, security architecture development, Internet-facing system security and safeguards for eCommerce are also important parts of this course.

**Credit Hours:** 2 hrs

**Last Updated:** 2/10/2011

## **IA 544 - Cyber Law and Compliance for IA Systems**

An in-depth examination of the law dealing with computers and the Internet, including such issues as intellectual property, electronic commerce, information privacy, freedom of expression, cyber crime, jurisdiction, compliance and the policy that governs. Included are detailed analysis of significant legal case studies plus review of applicable federal and state legislation as applied to such standards as HIPPA, Sarbanes Oxley, FISMA and FIPS 200 Compliance.

**Credit Hours:** 3 hrs

**Prerequisites:** IA 642

**Last Updated:** Links 05/2011

## **IA 557 - Cybercrime II**

Applied course which focuses attention on the evaluation and synthesis of information in cyber crime investigations. Knowledge will be gained on Fraud Investigation, Malicious Logic, Encryption, Intrusion Detection, hacking and cracking and Internet Child Pornography. Students subject to background investigation prior to admittance.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Last Updated:** 2/10/2011

## **IA 558 - Computer Forensics I**

This course addresses the comprehension and application of Computer Forensic Investigations. Students will evaluate and synthesize technical and legal issues in relation to digital evidence. Students will apply various skills and techniques, combined with numerous investigative software tools to analyze seized electronic media. Students subject to background investigation prior to admittance.

**Credit Hours:** 3 hrs

**Prerequisites:** IA 533/IA 557 and department permission

**Last Updated:** Links 05/2011

## **IA 559 - Computer Forensics II**

Comprehension of network forensic investigations and application of investigative framework methodologies. Students will apply Linux for forensic analysis, and Access Data Forensic Tool Kit. Evaluation of Stenography tools and field acquisition of electronic media will be presented. Students subject to background investigation prior to admittance.

**Credit Hours:** 3 hrs

**Prerequisites:** IA 558 and department permission

**Last Updated:** Links 05/2011

## **IA 587 - Cooperative Education**

**Credit Hours:** 3 hrs

**Last Updated:** 2/10/2011

## **IA 590 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education and industry. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr  
**Prerequisites:** department permission  
**Class Restrictions:** Graduate standing  
**Last Updated:** 2/10/2011

### **IA 591 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education and industry. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs  
**Prerequisites:** department permission  
**Class Restrictions:** Graduate standing  
**Last Updated:** 2/10/2011

### **IA 592 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education and industry. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs  
**Prerequisites:** department permission  
**Class Restrictions:** Graduate standing  
**Last Updated:** 2/10/2011

### **IA 593 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education and industry. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 4 hrs  
**Prerequisites:** department permission  
**Class Restrictions:** Graduate standing  
**Last Updated:** 2/10/2011

### **IA 597 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr  
**Prerequisites:** department permission  
**Last Updated:** 2/10/2011

### **IA 598 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs  
**Prerequisites:** department permission  
**Last Updated:** 2/10/2011

## **IA 599 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Last Updated:** 2/10/2011

## **IA 622 - Risk, Vulnerability and Physical Analysis**

The identification of threat, risk and vulnerability as applied to enterprise IT systems. The physical safeguards and policies necessary to meet requirements for the protection of data, personnel and property. Students will conduct a site security analysis of a facility. Gap analysis, gap closure and counter measures will be discussed and documented in an effort to counter identified vulnerabilities.

**Credit Hours:** 3 hrs

**Prerequisites:** IA 642

**Last Updated:** Links 05/2011

## **IA 642 - Enterprise Security**

This course addresses end-to-end TCP/IP networking. Students will apply various skills and techniques in a practical environment, increase their level of cyber navigation and troubleshooting competence level and gain sound TCP/IP analysis and operator skills.

**Credit Hours:** 3 hrs

**Last Updated:** 2/10/2011

## **IA 643 - Disaster Recovery - Business Continuity**

Disaster Recovery and Business Continuity is built upon the concepts of risk analysis and business impact planning, this course is designed to provide a foundation and guide to coordinated organizational emergency response and event management during and after a disruptive occurrence.

**Credit Hours:** 3 hrs

**Prerequisites:** IA 642 and IA 622

**Last Updated:** Links 05/2011

## **IA 645 - Data Mining for IA Security**

This course provides students with an effective immersion into the realm of Knowledge Discovery and Data Mining. It follows a progressive approach that introduces relevant concepts and techniques while preparing students to pursue graduate-level research avenues in Data Mining, with an emphasis on the field of Information Assurance.

**Credit Hours:** 3 hrs

**Prerequisites:** IA 642

**Last Updated:** Links 05/2011

## **IA 646 - Open Source Security Administration**

Students examine the infrastructure and configuration of complex open source-based (Linux) networks from a security administration perspective. Students will manage selected network services and test various configurations for performance, data integrity and security. Students analyze the vulnerabilities of a complex open source network, apply security controls and evaluate solutions in open source networking.

**Credit Hours:** 3 hrs

**Prerequisites:** IA 642

**Last Updated:** Links 05/2011

## **IA 647 - Microsoft Windows Security Administration**

Students examine the infrastructure and configuration of complex Microsoft-based (Windows) networks from a security administration perspective. Students will manage selected network services and test various configurations for performance, data integrity and security. Students analyze the vulnerabilities of a complex Windows network, apply security controls and evaluate solutions in open source networking.

**Credit Hours:** 3 hrs

**Prerequisites:** IA 642

**Last Updated:** Links 05/2011

## **IA 650 - Ethical Hacking, Penetration Testing and Compliance**

This course focuses on developing techniques for attack detection and mitigation in enterprise networks. Additionally, the course includes: traffic/log analysis, anomaly detection, intrusion prevention, adaptive security policy, alarm analysis, worm contaminating and quarantining, performance evaluation of defense systems. Strong emphasis will be placed using practical knowledge of TCP/IP, cryptographic routines such as DES, AES, MD5 and Windows and Linux operating systems.

**Credit Hours:** 3 hrs

**Prerequisites:** IA 642, IA 645 and IA 647

**Last Updated:** Links 05/2011

## **IA 651 - Enterprise Incident Response**

This course provides existing and prospective managers of Information Assurance incident response teams with a practice view of the issues that will be faced during the creation and operation of an effective team. Tools, techniques and methodologies in performing enterprise incident response and analysis will be discussed alongside an introduction to the incident handling best practices used to define, create and govern incident response practices. Methodology and simulated incidents with practical labs will be studied.

**Credit Hours:** 3 hrs

**Prerequisites:** IA 642

**Last Updated:** Links 05/2011

## **IA 679 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Class Restrictions:** Graduate standing

**Last Updated:** 2/10/2011

## **IA 680 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Class Restrictions:** Graduate standing

**Last Updated:** 2/10/2011

## **IA 681 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Class Restrictions:** Graduate standing

**Last Updated:** 2/10/2011

## **IA 690 - Thesis**

Completion of research problem, writing thesis and defense of thesis.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no credit basis.

**Last Updated:** 2/10/2011

## **IA 691 - Thesis**

Completion of research problem, writing thesis and defense of thesis.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no credit basis.

**Last Updated:** 2/10/2011

## **IA 692 - Thesis**

Completion of research problem, writing thesis and defense of thesis.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no credit basis.

**Last Updated:** 2/10/2011

## **IA 694 - Professional Seminar in Information Security/Assurance**

This course provides culminating experience for students completing their master's degrees, as well as those completing their graduate certificates in information security/assurance. It will include discussion, research and experimental activities that



encourage students to apply academic achievements to functional professional situations.

**Credit Hours:** 2 hrs

**Last Updated:** 2/10/2011

### **IA 697 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Last Updated:** 2/10/2011

### **IA 698 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Last Updated:** 2/10/2011

### **IA 699 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Last Updated:** 2/10/2011

## **Legal Administration**

### **LEGL 500 - Roles of the Legal Administrator**

Examination of the organizational structure of the law office and courts. Emphasis on the role of a non-lawyer in achieving effective performance. Overview of systems and methods in legal settings and ethical guidelines.

**Credit Hours:** 3 hrs

### **LEGL 501 - Technology in the Legal Enterprise**

Examine technology's affect on the practice of law. Evaluate computer applications directed toward both legal administration and the delivery of legal services. Explore the technology linking the law office to the world.

**Credit Hours:** 3 hrs

### **LEGL 502 - Designing Solutions for Problems in Legal Administration**

Examination and solving of problems by the legal administrator. Topics include client files systems, cash and account management, payroll and tax reports, developing budgets, design of positions, motivation of support personnel and marketing of legal services.

**Credit Hours:** 3 hrs

### **LEGL 503 - Judicial Administration**

Seminar course to study responsibilities and problems of the judicial administrator. Court security will be addressed, as will the court reorganization in Michigan and new advances in technology.

**Credit Hours:** 3 hrs

### **LEGL 504 - Internship**

Placement for intern will be arranged in a law office or court system to gain practical hands-on experience. Intern will complete all phases of a project and present a capstone research paper.

**Credit Hours:** 4 hrs

**Prerequisites:** LEGL 500, LEGL 501, LEGL 502 and LEGL 503

**Last Updated:** Links 05/2011

### **LEGL 590 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of legal administration. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Class Restrictions:** Graduate standing or department permission

### **LEGL 591 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of legal administration. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Class Restrictions:** Graduate standing or department permission

### **LEGL 592 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of legal administration. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Class Restrictions:** Graduate standing or department permission

### **LEGL 597 - Independent Study**

An exploration and study of topics not covered in other program offerings. Student may elect more than once, provided different topics are studied.

**Credit Hours:** 1 hr

**Prerequisites:** Department permission

## **LEGL 598 - Independent Study**

An exploration and study of topics not covered in other program offerings. Student may elect more than once, provided different topics are studied.

**Credit Hours:** 2 hrs

**Prerequisites:** Department permission

## **LEGL 599 - Independent Study**

An exploration and study of topics not covered in other program offerings. Student may elect more than once, provided different topics are studied.

**Credit Hours:** 3 hrs

**Prerequisites:** Department permission

## **LEGL 639 - Continuous Enrollment**

Graduate students who are completing research (Master's or Specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through Continuous Enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **LEGL 679 - Special Topics**

An exploration and study of topics not covered in other program offerings. Student may elect more than once, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

## **LEGL 680 - Special Topics**

An exploration and study of topics not covered in other program offerings. Student may elect more than once, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

## **LEGL 681 - Special Topics**

An exploration and study of topics not covered in other program offerings. Student may elect more than once, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

## **LEGL 697 - Independent Study**

An intensive study of a problem or a group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** Department permission

### **LEGL 698 - Independent Study**

An intensive study of a problem or a group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** Department permission

### **LEGL 699 - Independent Study**

An intensive study of a problem or a group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** Department permission

## **Public Safety**

### **HSEM 412 - Administration of Public Safety Agencies**

This course addresses the management and administrative duties associated with administering a public safety agency. Topics include community relations, budgeting, employee wellness, line of duty deaths, labor law and legal issues, consolidation of services and negotiation of labor contracts are addressed from a management perspective.

**Credit Hours:** 3 hrs

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

### **HSEM 433 - Arson Investigation**

An examination of the nature and causes of suspicious and incendiary fires, their detection and investigation; involves classroom lecture and field training. Students will conduct fire scene investigations, collect evidence, document findings, and participate in a mock trial. Assumes no previous experience in fire investigation. Students must provide their own 35mm camera, safety shoes, gloves and hard hat.

**Credit Hours:** 3 hrs

**Prerequisites:** CHEM 117/CHEM 118 or PHY 221

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Previously Listed as:** SSC 433

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

### **HSEM 434 - Hazardous Materials**

An examination of hazardous material incidents from the perspective of the public safety officer/manager charged with protecting people and property; identifying hazardous materials, assessing hazardous material accidents, planning and tactics for addressing hazardous material problems.

**Credit Hours:** 3 hrs

**Prerequisites:** (CHEM 117 and CHEM 118) or PHY 221

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

### **HSEM 435 - Incident Command**

The study of complex fire situations, including analysis of prefire planning, establishing and managing the command post, and effective management of complex fireground operations. Emphasizes the study of multiple company response and the efficient utilization of available and prospective resources in handling major fires.

**Credit Hours:** 3 hrs

**Prerequisites:** PLSC 450 or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; 05/2011

### **PS 523 - School Safety — Emergency Planning/Incident Management**

Course provides analysis and strategies for educators in their response capabilities to school safety. Technical and natural disaster preparation, incident command system for educators, techniques for bomb searching, preparation for weapons of mass destruction and school shootings will be covered. Site security analysis will be applied.

**Credit Hours:** 3 hrs

### **PS 587 - Co-operative Education**

**Credit Hours:** 3 hrs

### **PS 590 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Class Restrictions:** Graduate standing or department permission

### **PS 591 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Class Restrictions:** Graduate standing or department permission

### **PS 592 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Class Restrictions:** Graduate standing or department permission

### **PS 593 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 4 hrs

**Class Restrictions:** Graduate standing or department permission

### **PS 597 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **PS 598 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **PS 599 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **PS 679 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Class Restrictions:** Graduate standing or department permission

### **PS 680 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Class Restrictions:** Graduate standing or department permission

### **PS 681 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Class Restrictions:** Graduate standing or department permission

### **PS 690 - Thesis**

Completion of research problem, writing thesis and defense of thesis.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **PS 691 - Thesis**

Completion of research problem, writing thesis and defense of thesis.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **PS 692 - Thesis**

Completion of research problem, writing thesis and defense of thesis.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **PS 697 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **PS 698 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **PS 699 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **Staff and Command**

## **SSC 525 - Management/Leadership for Homeland Security**

This course addresses various leadership theories and an analysis of public safety management elements including planning, organizing, leading, controlling and communicating. The course is presented in the context of, and applied to, internal police/fire/emergency management administration.

**Credit Hours:** 2 hrs

## **SSC 530 - Administrating the Public Safety Agency**

This course provides a "big picture" view of the public safety administrative process. Topics include community relations, budgeting, employee wellness, line of duty deaths, legal issues, consolidation of services, and the negotiation and administrative of labor contracts. These topics are addressed from the perspective of the upper level command officer.

**Credit Hours:** 2 hrs

## **SSC 535 - Planning and Decision Making for Homeland Security**

Planning and decision-making is central to the command officer's role. This course provides the foundation for the planning and decisions that must be made relevant to every aspect of administering an agency. The knowledge, skills, administration of the agency and homeland security.

**Credit Hours:** 2 hrs

## **SSC 540 - Human Resource Management in Public Safety Agencies**

Human Resource Management includes the process of recruiting, assessing, selecting, training, placing of employees. It also involves managing employee performance (e.g., performance evaluation). This course examines the staffing process and provides participants with tactics to ensure the highest qualified candidate is selected and developed.

**Credit Hours:** 2 hrs

## **SSC 545 - Managing the critical Incident for Homeland Security**

This course applies current Homeland Security polices to critical decision making in tactical situations. The student will apply mitigation, preparedness, response and recovery tactics as they relate to intelligence, communication, and incident command. A table top exercise will provide an application experience.

**Credit Hours:** 2 hrs

## **SSC 550 - Managing Technology in the Public Safety Environment**

This course is an application of current software and management of the IT function as it applies to public safety agencies. The student will utilize concepts from other courses in the application of Microsoft Word, Excel, Power Point and Visio, and gain an understanding of how these software programs are beneficial to the public safety organization.

**Credit Hours:** 2 hrs

## **SSC 587 - Co-operative Education**



**Credit Hours:** 3 hrs

### **SSC 590 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Class Restrictions:** Graduate standing or department permission

### **SSC 591 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Class Restrictions:** Graduate standing or department permission

### **SSC 592 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Class Restrictions:** Graduate standing or department permission

### **SSC 593 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 4 hrs

**Class Restrictions:** Graduate standing or department permission

### **SSC 597 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **SSC 598 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **SSC 599 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **SSC 679 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Class Restrictions:** Graduate standing or department permission

### **SSC 680 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Class Restrictions:** Graduate standing or department permission

### **SSC 681 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Class Restrictions:** Graduate standing or department permission

### **SSC 690 - Thesis**

Completion of research problem, writing thesis and defense of thesis. Offered on a credit/no credit basis.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **SSC 691 - Thesis**

Completion of research problem, writing thesis and defense of thesis. Offered on a credit/no credit basis.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **SSC 692 - Thesis**

Completion of research problem, writing thesis and defense of thesis. Offered on a credit/no credit basis.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Terms Offered:** Offered on a credit/no-credit basis.

### **SSC 697 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **SSC 698 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **SSC 699 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **Technology Education**

### **TEDU 500 - Crafts**

Basic craft ideas of wood, metal, graphics, plastics, leather and ceramics are explored. Additional elective areas also are available. Not open to departmental majors.

**Credit Hours:** 2 hrs

### **TEDU 501 - Crafts for Special Education**

The development of craft activities to supplement the curriculum and provide therapeutic manipulative experiences and leisure activities in the special education classroom. Emphasis is given to the identification of industrial employment opportunities. Not open to departmental majors.

**Credit Hours:** 2 hrs

### **TEDU 502 - Career Education for the Elementary Child**

A study of the concepts and methods used to develop an awareness of the careers of society with elementary school children. Emphasis is on individual and group activities relevant to integrated curriculum studies. Also open to departmental majors.

**Credit Hours:** 2 hrs

### **TEDU 515 - Energy Educators Workshop I**

This course provides students with the background necessary to understand current issues in domestic electric energy production. Students tour major power plants, nuclear facilities and renewable energy sources. Demonstrations on topics such as power line safety, ecology and geology of natural gas storage are provided by DTE Energy personnel. Lectures by EMU faculty provide historical and theoretical background.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **TEDU 516 - Energy Educators Workshop II**

This course is meant to assist the in-serviced science or technology teacher to take the materials he or she has learned from TEDU 515 Energy Educators Workshop I and integrate them into a unit of study for their science class.

**Credit Hours:** 2 hrs

**Prerequisites:** TEDU 515 and department permission

**Last Updated:** Links 04/2011

## **TEDU 520 - Technology Education for Teachers**

Concepts and activities related to technological literacy, including the use of tools, processes, systems, and impacts of technology. State and federal legislation, education regulations, and national standards discussed.

**Credit Hours:** 3 hrs

## **TEDU 523 - Technological Systems**

The description of technological systems utilized in physical, informational and bio-related domains of human activity. Opportunity to apply system software to manipulate technical devices found in technology education classrooms and laboratories.

**Credit Hours:** 2 hrs

## **TEDU 524 - Computer Applications for Vocational-Technical Instruction**

Description and illustration of computer hardware and software for vocational-technical education. Mainframe and microcomputer systems will be reviewed. Opportunity to prepare and develop computer instructional materials for the microcomputer.

**Credit Hours:** 2 hrs

**Major Restrictions:** Technology Education Majors or Graduate standing

## **TEDU 525 - Robotics Applications in Technology Education**

An overview of the history, principles of operation, manufacture and use of robots and robotic systems. Emphasis provided to the analysis of these topics for programs of study in technology and industrial-vocational education.

**Credit Hours:** 2 hrs

**Major Restrictions:** Technology Education Majors or Graduate standing

## **TEDU 550 - Development of Technology Education**

The historical development of industrial education programs; the influence of industrial, technological and societal change; institutions, professional associations, movements and leaders in the field.

**Credit Hours:** 2 hrs

### **TEDU 587 - Cooperative Education in Technology Education**

A cooperative education experience integrating classroom theory with a paid work experience in an area related to the student's field of study. Work sites must be approved by the coordinator of cooperative education and the Business and Technology Education Department. Additional assignments may be required.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **TEDU 650 - Industrial Education in Colleges and Universities**

The philosophy, history and development of industrial teacher education programs; current trends in selected institutions.

**Credit Hours:** 2 hrs

### **TEDU 652 - Technical Programs in Community Colleges**

Nature, scope and functions of vocational and technical programs in community colleges; recent developments.

**Credit Hours:** 2 hrs

### **TEDU 655 - Supervision of Technology Education**

Principles and problems involved in the improvement of instruction in technology education. Open to majors in technology education and to majors in administration.

**Credit Hours:** 2 hrs

### **TEDU 663 - Instructional Media in Technology Education**

Recent developments in instructional media and technology, the relationship of media to the psychology of learning, and implications for programs of technology education.

**Credit Hours:** 2 hrs

### **TEDU 664 - Laboratory Planning**

Analysis of space and equipment requirements of technology and industrial-vocational education laboratories. Consideration of specific functions, safety, efficiency, location and design as they relate to educational philosophy and objectives.

**Credit Hours:** 2 hrs

### **TEDU 679 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in career, technical and workforce education.

**Credit Hours:** 1 hr

### **TEDU 680 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in career, technical and workforce education.

**Credit Hours:** 2 hrs

### **TEDU 681 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in career, technical and workforce education.

**Credit Hours:** 3 hrs

### **TEDU 682 - Workshop**

Students will be provided focused practical and theoretical study in a selected topic area in career, technical and workforce education.

**Credit Hours:** 1 hr

### **TEDU 683 - Workshop**

Students will be provided focused practical and theoretical study in a selected topic area in career, technical and workforce education.

**Credit Hours:** 2 hrs

### **TEDU 684 - Workshop**

Students will be provided focused practical and theoretical study in a selected topic area in career, technical and workforce education.

**Credit Hours:** 3 hrs

### **TEDU 685 - Workshop**

Students will be provided focused practical and theoretical study in a selected topic area in career, technical and workforce education.

**Credit Hours:** 4 hrs

### **TEDU 686 - Practicum in Technology Education**

An examination and evaluation of a variety of instructional methods. Direct experiences are provided in developing and utilizing instructional materials.

**Credit Hours:** 2 hrs

## **TEDU 688 - Internship in Technology Education**

A supervised experience in education. Opportunities are provided for directing a variety of teaching-learning experiences contracted with a University faculty member.

**Credit Hours:** 2 hrs

## **TEDU 690 - Thesis**

A research-based study conducted under the supervision of a University graduate faculty member and departmental graduate committee, under the guidelines described in the EMU Technology Education Thesis Manual.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **TEDU 691 - Thesis**

A research-based study conducted under the supervision of a University graduate faculty member and departmental graduate committee, under the guidelines described in the EMU Technology Education Thesis Manual.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **TEDU 692 - Thesis**

A research-based study conducted under the supervision of a University graduate faculty member and departmental graduate committee, under the guidelines described in the EMU Technology Education Thesis Manual.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **TEDU 697 - Independent Study**

Opportunities are provided for the selection and completion of an individual study under the direction of a University faculty member. An approved written proposal is required. Both "Independent Study" (technical study without the prerequisite of TEDU677) and "Research Proposal Format" guideline sheets are available from the department.

**Credit Hours:** 1 hr

**Prerequisites:** department permission; topics must be approved by the department during the semester prior to the study

## **TEDU 698 - Independent Study**

Opportunities are provided for the selection and completion of an individual study under the direction of a University faculty member. An approved written proposal is required. Both "Independent Study" (technical study without the prerequisite of TEDU677) and "Research Proposal Format" guideline sheets are available from the department.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission; topics must be approved by the department during the semester prior to the study

## **TEDU 699 - Independent Study**

Opportunities are provided for the selection and completion of an individual study under the direction of a University faculty member. An approved written proposal is required. Both "Independent Study" (technical study without the prerequisite of TEDU677) and "Research Proposal Format" guideline sheets are available from the department.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission; topics must be approved by the department during the semester prior to the study

## **Technology Management**

### **TM 402 - Technology Project Management**

A study of the core subjects of project management as they relate to the management of technology-oriented projects using communication technologies that enable virtual teams to function in a global work environment.

**Credit Hours:** 3 hrs

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

### **TM 415 - Senior Seminar in Technology Management**

This course will allow students to synthesize the structure and procedures of strategic management and project management. The course will integrate the ideas and information presented in other courses within the technology management concentration core. Students will demonstrate their ability to integrate information ascertained from previous classes within a capstone project.

**Credit Hours:** 3 hrs

**Prerequisites:** TM 130

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

### **TM 510 - Principles of Managing Technological Enterprises**

Characteristics of high-tech markets; motivating high-tech researchers and developers; manufacturing products with short life cycles, finance and planning in a high-tech environment; attracting and keeping the best human resources.

**Credit Hours:** 3 hrs

**Last Updated:** Links 04/2011

### **TM 555 - Technology and Organization**

Development, analysis and theory of technological organizations, as well as practical problems confronting technological managers at a time of transition, as exemplified by leading U.S. and Japanese corporations.

**Credit Hours:** 3 hrs

**Class Restrictions:** Graduate standing

**Major Restrictions:** Students in Interdisciplinary Technology or department permission

### **TM 560 - Technology and Labor Relations**

This course examines the dynamics of technological change from a labor-management perspective, using historical and contemporary examples of both confrontational and collaborative approaches.



**Credit Hours:** 3 hrs

### **TM 565 - Technology and Training**

This course examines the role of training in our national policy, and identifies training practices in today's high-performance workplaces. Special emphasis will be placed on training for the green economy. Also reviewed will be the elements of a good training plan, including methods such as simulation.

**Credit Hours:** 3 hrs

**Last Updated:** Course Description Change 08/2011, effective Fall 2011

### **TM 587 - Co-operative Education**

**Credit Hours:** 3 hrs

### **TM 590 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Class Restrictions:** Graduate standing or department permission

### **TM 591 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Class Restrictions:** Graduate standing or department permission

### **TM 592 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Class Restrictions:** Graduate standing or department permission

### **TM 593 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 4 hrs

**Class Restrictions:** Graduate standing or department permission

### **TM 597 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **TM 598 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **TM 599 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **TM 615 - Implementing and Managing Technological Change**

This course covers the concepts of technology management as a field of study, the rationale for technology introduction, the value of partnership approaches to technology introduction and implementation, the role of organizational culture in contributing to technology success or failure and the importance of training and competency building. Students will study best-practice scenarios, apply the principles learned to case studies and critically analyze technological change practices at their own workplaces or an organization of their choosing. Students may not receive credit for both TM 615 and COT 715.

**Credit Hours:** 3 hrs

**Last Updated:** Title and Course Description Change 08/2011, effective Fall 2011

### **TM 679 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Class Restrictions:** Graduate standing or department permission

### **TM 680 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

**Class Restrictions:** Graduate standing or department permission

### **TM 681 - Special Topics**

Provides for intensive study of selected topics drawn from current developments in the total field of business education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Class Restrictions:** Graduate standing or department permission

### **TM 690 - Thesis**

Completion of research problem, writing thesis and defense of thesis. Offered on a credit/no credit basis.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **TM 691 - Thesis**

Completion of research problem, writing thesis and defense of thesis. Offered on a credit/no credit basis.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **TM 692 - Thesis**

Completion of research problem, writing thesis and defense of thesis. Offered on a credit/no credit basis.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **TM 697 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **TM 698 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **TM 699 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **Technology Studies**

### **STS 420 - Women and Technology**

This course surveys gender issues surrounding technology development, transfer and use. We will examine these issues from historical, contemporary and global perspectives.

**Credit Hours:** 3 hrs

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Cross-listed with:** WGST 420

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

## **STS 495 - Technology, Values and the Future**

The development of modern technological society: major breakthroughs in the physical and life sciences, the influence of some of these breakthroughs on technological development, the consequent shaping of new world views and, hence, values in contemporary and future societies. Interrelationships between technology and political, socioeconomic and environmental systems; the relationship between technology and values.

**Credit Hours:** 3 hrs

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

## **STS 501 - History of Technology**

An overview of major technical developments that have affected the course of human history. Emphasis is placed on the interrelationships of the technical to the sociocultural milieu.

**Credit Hours:** 4 hrs

**Class Restrictions:** Graduate standing

## **STS 502 - Microcomputer Applications in Administration**

This course is designed to teach students how to integrate the personal computer into the management of organizations. This includes research, data analysis, planning, project management and presentations. Students use the Internet as an integral part of the course to facilitate communication between themselves and the instructor. This course assumes a familiarity with Microsoft Word and Excel.

**Credit Hours:** 3 hrs

**Previously Listed as:** INDT 502

**Last Updated:** May 2011

## **STS 505 - Introduction to Technology and Society**

Introduction to issues and analytical frameworks pertaining to technology and society. Through interdisciplinary contemporary and classic readings, discussions (online and classroom) and research, the class will explore the intellectual, cultural and ethical issues concerning the relationship of technology to society; emphasis on examination of workplace technology, information technology, instructional technology, medical technology, medical technology and agriculture biotechnology with a focus on ethical dilemmas arising from ill-conceived technology design and use.

**Credit Hours:** 3 hrs

**Class Restrictions:** Graduate standing

## **STS 506 - Patterns of Change in Technology and Culture**

An overview of significant patterns of change in the relationship between American technology and culture. An interdisciplinary review of the reception and diffusion of technological developments within a societal and cultural context. Includes examination of advancement, acceptance, or rejection of technology implicit throughout the history of American progress.

**Credit Hours:** 3 hrs

### **STS 508 - Contemporary Trends in Technology and Society**

A current issues seminar on relevant issues of current interest and concern related to technology and society with a central focus on the inter-connectedness of technology "machines" created by humans for humans. Included is an examination of the powerful ways these technologies are part of today's culture, work, creative expressions, leisure time, and newly developed traditions.

**Credit Hours:** 3 hrs

**Prerequisites:** TS 505

**Last Updated:** Links 05/2011

### **STS 521 - Women and Technology**

This course surveys gender issues surrounding technology development, transfer and use. We will examine the gender implications of technologies used in everyday life, particularly those that apply to work, health, reproduction, education, and communication. Historical and cross-cultural/global perspectives will be integrated into course themes.

**Credit Hours:** 3 hrs

**Cross-listed with:** WGST 521

**Last Updated:** Links 05/2011

### **STS 528 - Technology, Gender and Pop Culture**

The application of pop cultural theory and practice provides in-depth understanding about the impact of technology on cultural definitions of masculine and feminine identity. Critical examination of film, literature and material culture, reflects ideas about whether technologies are themselves gendered and how gendered perceptions and stereotypes promoted by technological ideologies reveal individual and community values.

**Credit Hours:** 3 hrs

**Cross-listed with:** WGST 528

**Last Updated:** Links 05/2011

### **STS 587 - Cooperative Education in Interdisciplinary Technology**

Co-op is an educational strategy that integrates classroom theory with a semester of paid work experience in an area related to the student's field of study. Work sites must be approved by the coordinator of Cooperative Education and the Department of Interdisciplinary Technology. Additional assignments may be required.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **STS 590 - Special Topics**

Content will change from semester to semester. An experimental course for subject matter not yet provided in other program offerings. Students may elect this course more than once, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

### **STS 591 - Special Topics**

Content will change from semester to semester. An experimental course for subject matter not yet provided in other program offerings. Students may elect this course more than once, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

### **STS 592 - Special Topics**

Content will change from semester to semester. An experimental course for subject matter not yet provided in other program offerings. Students may elect this course more than once, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

### **STS 593 - Special Topics**

Content will change from semester to semester. An experimental course for subject matter not yet provided in other program offerings. Students may elect this course more than once, provided different topics are covered. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 4 hrs

### **STS 597 - Independent Study**

Opportunities are provided for the selection and completion of an individual project under the direction of a University faculty member. An approved written proposal is required.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **STS 598 - Independent Study**

Opportunities are provided for the selection and completion of an individual project under the direction of a University faculty member. An approved written proposal is required.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **STS 599 - Independent Study**

Opportunities are provided for the selection and completion of an individual project under the direction of a University faculty member. An approved written proposal is required.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **STS 601 - Multidisciplinary Seminar in Technology**

A multidisciplinary seminar, which explores different philosophic and discipline-based perspectives of technology around a special topic. Usual format is a lecture series with outside speakers held at a conference center.

**Credit Hours:** 2 hrs

**Repeatable:** May be repeated for credit if course content is different.

## **STS 602 - Contemporary Issues in Technology**

An in-depth examination of a particular issue (or set of related issues), usually of topical interest, related to technology and society. This course generally will take place in business and industry settings.

**Credit Hours:** 2 hrs

**Prerequisites:** TS 505 or department permission.

**Repeatable:** May be repeated for credit if course content is different.

**Last Updated:** Links 05/2011

## **STS 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Notes:** Credit will not apply toward degree completion.

## **STS 679 - Special Topics**

An experimental course for subject matter not provided in other school offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **STS 680 - Technology Assessment**

A survey of the field of technology assessment that includes theoretical bases, unique modes of inquiry, major assumptions, institutional activities, major problems and future trends.

**Credit Hours:** 3 hrs

**Prerequisites:** TS 505 and TS 506

**Last Updated:** Links 05/2011

## **STS 681 - Special Topics**

An experimental course for subject matter not provided in other school offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **STS 690 - Thesis**

Completion of research problem, writing thesis and defense of thesis. Offered on a credit/no credit basis.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **STS 691 - Thesis**

Completion of research problem, writing thesis and defense of thesis. Offered on a credit/no credit basis.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **STS 692 - Thesis**

Completion of research problem, writing thesis and defense of thesis. Offered on a credit/no credit basis.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **STS 697 - Independent Study**

Opportunities are provided for the selection and completion of an individual project under the direction of a University faculty member. An approved written proposal is required.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **STS 698 - Independent Study**

Opportunities are provided for the selection and completion of an individual project under the direction of a University faculty member. An approved written proposal is required.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **STS 699 - Independent Study**

Opportunities are provided for the selection and completion of an individual project under the direction of a University faculty member. An approved written proposal is required.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **TS 505 - Introduction to Technology and Society**



Introduction to issues and analytical frameworks pertaining to technology and society. Through interdisciplinary contemporary and classic readings, discussions (online and classroom) and research, the class will explore the intellectual, cultural and ethical issues concerning the relationships of technology to society; emphasis on examination of workplace technology, information technology, instructional technology, medical technology and agriculture biotechnology with a focus on ethical dilemma arising from ill-conceived technology design and use.

**Credit Hours:** 3 hrs

**Class Restrictions:** Graduate standing

### **TS 506 - Patterns of Change in Technology and Culture**

An overview of significant patterns of change in the relationship between American technology and culture. An interdisciplinary review of the reception and diffusion of technological developments within a societal and cultural context. Includes examination of advancement, acceptance, or rejection of technology implicit throughout the history of American progress.

**Credit Hours:** 3 hrs

### **TS 508 - Contemporary Trends in Technology and Society**

A current issues seminar on trends and issues pertaining to technology and society. Topics may include information access and control, sustainable technology developments, global trends related to social and organizational aspects of technology, and other timely topics identified by instructors.

**Credit Hours:** 3 hrs

**Last Updated:** Prerequisite Removal 11/2011, effective Winter 2012; Description 07/2011; Links 04/2011

### **TS 509 - Research Methods in Technology Studies**

Introduction to empirical approaches to assessing technology including various methodological and statistical approaches for conducting research about technology and its impact. Examines basic research designs and methods utilized in technology studies research within society, the community and organizations. The Statistical Package for the Social Sciences will be introduced and used for basic descriptive and explanatory statistical calculations.

**Credit Hours:** 3 hrs

**Previously Listed as:** STS 507, INDT 680

**Last Updated:** Prerequisite Removal 11/2011, effective Winter 2012; Program Description 05/2011; Links 04/2011

### **TS 691 - Proposal Development**

Guides student through the steps of creating a proposal for either capstone/research project or thesis; includes generating a thesis question or hypothesis, beginning a literature review, designing a methodology, including how data or information would be collected, and what statistical analysis might be done. Draft of survey is used.

**Credit Hours:** 1 hr

**Last Updated:** 1/6/2011

### **TS 693 - Capstone Project**

Opportunities are provided for the selection and completion of an individual project under the direction of a University faculty member. An approved written proposal is required.

**Credit Hours:** 3 hrs  
**Prerequisites:** department permission  
**Last Updated:** 1/6/2011

## **TS 695 - Thesis**

**Credit Hours:** 5 hrs  
**Prerequisites:** department permission  
**Last Updated:** 05/2011

# School of Health Promotion and Human Performance Programs and Courses

## School of Health Promotion and Human Performance

### Graduate Certificate

### Graduate Certificate in Orthotics or Prosthetics (ORTH/PROS)

Adviser: Robert Rhodes, M.P.A.

318C Porter

734.487.2826

rrhodes4@emich.edu

### Core Courses: 34 hours

- CAE 567 - Plastics, Materials and Processes 2 hrs
- ORPR 580 - Introduction to Orthotics and Prosthetics 3 hrs
- ORPR 581 - Musculoskeletal Pathologies for Orthotics and Prosthetics 3 hrs
- ORPR 582 - Kinesiology-Biomechanical Basis of Orthotic & Prosthetic Management 3 hrs
- ORPR 605 - Clinical Gait Analysis 3 hrs
- ORPR 620 - Clinical Affiliation I 2 hrs
- ORPR 630 - Research Methods for Orthotics and Prosthetics 3 hrs
- ORPR 660 - Advanced Techniques and Procedures in Orthotics and Prosthetics 3 hrs
- ORPR 665 - Administration of Orthotics and Prosthetic Facilities 3 hrs

Select from either Option I or Option II:

#### Option I:

- ORPR 610 - Spinal and Upper Extremity Orthotics 3 hrs
- ORPR 640 - Lower Extremity Orthotics I 3 hrs
- ORPR 650 - Lower Extremity Orthotics II 3 hrs

#### Option II:

- ORPR 615 - Lower Extremity Prosthetics I 3 hrs
- ORPR 645 - Lower Extremity Prosthetics II 3 hrs
- ORPR 655 - Upper Extremity Prosthetics 3 hrs

Certificate Total: 34 hours

### Master's

# Master of Science in Exercise Physiology (EXP)

Adviser: Stephen McGregor, Ph.D.  
318 Porter  
734.487.0090  
smcgregor@emich.edu

## Core Courses: 18 hours

- HPHP 505 - Basic Statistics in Health Promotion and Human Performance 3 hrs
- HPHP 677 - Research, Theory and Design in Health Promotion and Human Performance 3 hrs
- SPMD 636 - Exercise Testing and Evaluation 3 hrs
- SPMD 642 - Advanced Exercise Physiology I 3 hrs
- SPMD 644 - Advanced Exercise Physiology II 3 hrs
- SPMD 651 - Biomechanics of Human Motion 3 hrs

## Restricted Electives: 9 hours

*Select a focused area of study of six hours in consultation with an adviser, and choose one free elective:*

- Any course from BIO, CHEM, DTC, PHED, PSY, or SPMD as approved by a graduate adviser
- PHED 665 - Sport and Exercise Psychology 3 hrs
- SPMD 430 - Principles of Electrocardiography 3 hrs
- SPMD 433 - Principles of Strength and Conditioning 3 hrs
- SPMD 508 - Exercise Epidemiology 3 hrs
- SPMD 515 - Diabetes and Obesity 3 hrs
- SPMD 518 - Sports Supplements 3 hrs
- SPMD 637 - Techniques of Exercise Prescription and Leadership 3 hrs
- \* SPMD 688 - Internship 3 hrs

## Culmination Project: 6 hours

*Select from either option I or option II:*

*A comprehensive exam must be taken in addition to either option.*

### **\*\*Option I:**

- SPMD 690 - Thesis 1 hr
- SPMD 691 - Thesis 2 hrs
- SPMD 692 - Thesis 3 hrs

### **Option II:**

- SPMD 689 - Internship 6 hrs

Program Total: 33 hours

## Notes:

*\* 225-hour experience. Internship does not count toward culmination project.*

*\*\* Option I is recommended for students planning on pursuing doctoral degrees, Option II is recommended for students who did not perform an undergraduate internship or for students who require additional practical experience.*

## Applied Performance Physiology Track

This track consists of entirely online classes with an emphasis on the performance aspect of the Exercise Physiology discipline to accommodate distance based students.

Core Courses: 21 hours

**Catalog Correction:** *"Performance Measurement and Assessment (3 hrs)" is "SPMD 661," not "SPMD 660"*

- SPMD 560 - Performance Nutrition (3 hrs)
- SPMD 660 - Performance Measurement and Assessment (3 hrs)
- SPMD 550 - Applied Performance Physiology I 3 hrs
- SPMD 552 - Applied Performance Physiology II 3 hrs
- SPMD 554 - Biomechanics of Performance 3 hrs
- SPMD 555 - Statistics for Performance 3 hrs
- SPMD 654 - Principles of Strength and Conditioning 3 hrs

Restricted Electives: 9 hours

*Select a focused area of study of six hours and choose one free elective in consultation with an adviser.*

Culmination Project: 3 hours

*A comprehensive exam must be taken in addition to this option.*

- SPMD 599 - Independent Study 3 hrs  
or additional 3-credit course (this course needs to be determined by the student and his or her advisor)

Program Total: 33 hours

## Undergraduate Courses for Graduate Credit: School of Health Promotion and Human Performance

The following courses may be elected for graduate credit with the approval of your program advisor. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form from the Graduate School and Research to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- HLED 460 - Concepts in Sexuality Education 3 hrs
- HLED 490 - Drug Use and Abuse 3 hrs
- PHED 470 - Assessment and Evaluation in Physical Education 2 hrs
- SPMD 430 - Principles of Electrocardiography 3 hrs
- SPMD 431 - Pathophysiology for Sports Medicine 3 hrs
- SPMD 433 - Principles of Strength and Conditioning 3 hrs

## **Master of Science in Health Education (HLTE)**

Adviser: Kay Woodiel, Ph.D.  
318 Porter  
734.487.7120  
kay.woodiel@emich.edu

### **Research Core: 9 hours**

*Select from one of the following:*

#### **Thesis Option**

- HPHP 505 - Basic Statistics in Health Promotion and Human Performance 3 hrs
- HPHP 677 - Research, Theory and Design in Health Promotion and Human Performance 3 hrs
- HLED 692 - Thesis in Health Education 3 hrs

#### **Graduate Project Option**

- HPHP 505 - Basic Statistics in Health Promotion and Human Performance 3 hrs
- HPHP 677 - Research, Theory and Design in Health Promotion and Human Performance 3 hrs
- HLED 690 - Project in Health Education 3 hrs

### **Education Core: 24 hours**

*Select from one of the following:*

#### **Community Health Education Core**

- HLED 550 - Theoretical and Philosophical Foundations of Health Education 3 hrs
- HLED 555 - Current Health Issues and Trends 3 hrs
- HLED 558 - Health Education Methods and Materials 3 hrs
- HLED 562 - Health Education Program Planning 3 hrs
- HLED 564 - Health Education for Diverse Populations 3 hrs
- HLED 570 - Measurement in Health Education 3 hrs

- HLED 575 - Implementation and Administration of Health Education Programs 3 hrs
- HLED 695 - Seminar in Health Education 3 hrs

## School Health Education Core

- HLED 550 - Theoretical and Philosophical Foundations of Health Education 3 hrs
- HLED 555 - Current Health Issues and Trends 3 hrs
- HLED 558 - Health Education Methods and Materials 3 hrs
- HLED 560 - School Health Education Programming and Curriculum 3 hrs
- HLED 564 - Health Education for Diverse Populations 3 hrs
- HLED 570 - Measurement in Health Education 3 hrs
- HLED 575 - Implementation and Administration of Health Education Programs 3 hrs
- HLED 695 - Seminar in Health Education 3 hrs

## Suggested Elective Courses: 3 hours

*\* Select 3 credit hours from the following courses:*

- HLED 565 - Women's Health 3 hrs
- HLED 460 - Concepts in Sexuality Education 3 hrs
- HLED 490 - Drug Use and Abuse 3 hrs

## Program Total: 36 hours

### Note:

*Elective hours can come from HLED courses or other health-related courses offered by other programs and departments. These electives are selected with guidance and approval of the assigned health education adviser.*

## Undergraduate Courses for Graduate Credit: School of Health Promotion and Human Performance

The following courses may be elected for graduate credit with the approval of your program advisor. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form from the Graduate School and Research to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- HLED 460 - Concepts in Sexuality Education 3 hrs
- HLED 490 - Drug Use and Abuse 3 hrs
- PHED 470 - Assessment and Evaluation in Physical Education 2 hrs
- SPMD 430 - Principles of Electrocardiography 3 hrs
- SPMD 431 - Pathophysiology for Sports Medicine 3 hrs
- SPMD 433 - Principles of Strength and Conditioning 3 hrs

# Master of Science in Orthotics and Prosthetics (ORPR)

Adviser: Robert Rhodes, M.P.A.  
318C Porter  
734.487.2826  
rrhodes4@emich.edu

## Admission Requirements

Applicants must:

1. Hold a Bachelor's degree from an academically accredited college or university with a cumulative GPA of 3.0 or higher on a 4 point scale.
2. Course work must include:
  - Three hours of biology.
  - Six hours of Anatomy and Physiology or five hours combined course at EMU.
  - Three hours of Chemistry or Inorganic Chemistry.
  - Six hours of Math; college Algebra and Trigonometry are recommended.
  - Three hours of Physics.
  - Three hours of Psychology.
  - Statistics (recommended).
  - Medical Ethics (recommended).
3. Meet the requirements of the Graduate School (<http://gradschool.emich.edu>) and have a completed application on file.
4. Have taken the Miller Analogies Test (MAT). <http://harcourtassessment.com/haiweb/Cultures/en-US/Harcourt/Community/PostSecondary/Products/MAT/MATHome.htm>.
5. Submit three letters of recommendation. If you have volunteer experience in an orthotics and prosthetics facility, at least one of the letters must be from this source.
6. Submit a 1,200-1,500 word essay explaining why you want to become an orthotist-prosthetist and why you wish to attend Eastern Michigan University.

## Deadline for Submission

The completed application, transcripts and all other requirements must be completed and necessary paperwork received by the Office of Graduate Admissions no later than the first Friday of May of each year.

## Notification of Admission

- Candidates will be notified of either acceptance or non-acceptance no later than the last Friday in May each year.
- Non-accepted candidates who met the minimum admission standards will be ranked and may be contacted and offered admission if any of the initially admitted applicants decline acceptance.

## Course work

Didactic course work is held mostly on weekday afternoons and evenings. Clinical affiliations are offered during Spring and



Summer semesters. This arrangement is ideal for the individual who needs to work part-time while attending the program. Attempting to work full-time is extremely difficult and is discouraged.

## One track from the following:

### Research Track:

#### Core Courses: 24 hours

- CAE 694 - Seminar 2 hrs
- ORPR 580 - Introduction to Orthotics and Prosthetics 3 hrs
- ORPR 581 - Musculoskeletal Pathologies for Orthotics and Prosthetics 3 hrs
- ORPR 582 - Kinesiology-Biomechanical Basis of Orthotic & Prosthetic Management 3 hrs
- ORPR 605 - Clinical Gait Analysis 3 hrs
- ORPR 620 - Clinical Affiliation I 2 hrs
- ORPR 630 - Research Methods for Orthotics and Prosthetics 3 hrs
- ORPR 660 - Advanced Techniques and Procedures in Orthotics and Prosthetics 3 hrs
- ORPR 680 - Clinical Affiliation II 2 hrs

#### Required Orthotics Courses: 9 hours

- ORPR 610 - Spinal and Upper Extremity Orthotics 3 hrs
- ORPR 640 - Lower Extremity Orthotics I 3 hrs
- ORPR 650 - Lower Extremity Orthotics II 3 hrs

#### Required Prosthetics Courses: 9 hours

- ORPR 615 - Lower Extremity Prosthetics I 3 hrs
- ORPR 645 - Lower Extremity Prosthetics II 3 hrs
- ORPR 655 - Upper Extremity Prosthetics 3 hrs

#### Required Thesis: 6 hours

- SPMD 690 - Thesis 1 hr
- SPMD 691 - Thesis 2 hrs
- SPMD 692 - Thesis 3 hrs

#### Program Total: 48 hours

### Clinical Track:

See footnote below

#### Core Courses: 30 hours

- CAE 694 - Seminar 2 hrs
- ORPR 580 - Introduction to Orthotics and Prosthetics 3 hrs
- ORPR 581 - Musculoskeletal Pathologies for Orthotics and Prosthetics 3 hrs
- ORPR 582 - Kinesiology-Biomechanical Basis of Orthotic & Prosthetic Management 3 hrs
- ORPR 605 - Clinical Gait Analysis 3 hrs
- ORPR 620 - Clinical Affiliation I 2 hrs
- ORPR 630 - Research Methods for Orthotics and Prosthetics 3 hrs
- ORPR 660 - Advanced Techniques and Procedures in Orthotics and Prosthetics 3 hrs
- ORPR 665 - Administration of Orthotics and Prosthetic Facilities 3 hrs
- ORPR 680 - Clinical Affiliation II 2 hrs
- ORPR 699 - Independent Study 3 hrs

### Required Orthotics Courses: 9 hours

- ORPR 610 - Spinal and Upper Extremity Orthotics 3 hrs
- ORPR 640 - Lower Extremity Orthotics I 3 hrs
- ORPR 650 - Lower Extremity Orthotics II 3 hrs

### Required Prosthetics Courses: 9 hours

- ORPR 615 - Lower Extremity Prosthetics I 3 hrs
- ORPR 645 - Lower Extremity Prosthetics II 3 hrs
- ORPR 655 - Upper Extremity Prosthetics 3 hrs

Program Total: 48 hours

### Note:

*Students who select the clinical track must take a comprehensive exam for the completion of their program.*

## **Master of Science in Physical Education Pedagogy (PEP)**

Adviser: Roberta Faust, Ph.D.  
 319M Porter  
 734.487.7120  
 rfaust@emich.edu

### Core Courses: 8, 9 or 12 hours

- HPHP 505 - Basic Statistics in Health Promotion and Human Performance 3 hrs
- HPHP 677 - Research, Theory and Design in Health Promotion and Human Performance 3 hrs

Select from either Option I or Option II:

Option I: 6 hours

- PHED 690 - Thesis 1 hr
- PHED 691 - Thesis 2 hrs
- PHED 692 - Thesis 3 hrs

## Option II: 2-3 hours

*Students are required to take comprehensive examinations before beginning the Independent Study course below.*

### **One course from the following:**

- PHED 698 - Independent Study 2 hrs
- PHED 699 - Independent Study 3 hrs

## Concentration Courses:

Physical Education Pedagogy (PEP) Concentration

## Program Total: 33 hours

## Undergraduate Courses for Graduate Credit: School of Health Promotion and Human Performance

The following courses may be elected for graduate credit with the approval of your program advisor. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form from the Graduate School and Research to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- HLED 460 - Concepts in Sexuality Education 3 hrs
- HLED 490 - Drug Use and Abuse 3 hrs
- PHED 470 - Assessment and Evaluation in Physical Education 2 hrs
- SPMD 430 - Principles of Electrocardiography 3 hrs
- SPMD 431 - Pathophysiology for Sports Medicine 3 hrs
- SPMD 433 - Principles of Strength and Conditioning 3 hrs

## Master of Science in Sport Management (SPMG)

Adviser: Brenda Riemer, Ph.D.

318 Porter

734.487.0090

briemer@emich.edu

### **Objectives**

Upon completion of the master of science degree, students will:

1. Conduct and utilize research for problem solving;
2. Acquire skills and knowledge necessary to perform in a variety of sport administrative/management roles;

3. Develop an in-depth understanding of sport administration;
4. Receive preparation for future graduate work at the doctoral level;
5. Receive preparation for diverse employment opportunities; and
6. Utilize ethics when making decisions concerning professional and personal behaviors.

## Core Courses: 24 hours

- HPHP 505 - Basic Statistics in Health Promotion and Human Performance 3 hrs
- HPHP 677 - Research, Theory and Design in Health Promotion and Human Performance 3 hrs
- SMGT 502 - Introduction to Sport Management 3 hrs
- SMGT 562 - Facility Planning and Development 3 hrs
- SMGT 564 - Planning and Promoting Events in Physical Education and Sports 3 hrs
- SMGT 566 - Financial Administration of Physical Education and Athletics 3 hrs
- SMGT 568 - Human Resources for Physical Education and Sport 3 hrs
- SMGT 688 - Sport Management Internship 3 hrs

## Select from either Option I or Option II:

### Option I: Thesis Option - 12 hours

*Students choosing Option I take thesis courses to total 6 credit hours, and take an additional 6 credit hours of electives to be chosen in consultation with the program adviser.*

- SMGT 690 - Thesis 1 hr
- SMGT 691 - Thesis 2 hrs
- SMGT 692 - Thesis 3 hrs

### Option II: Comprehensive Exam - 9 hours

*Students choosing this option will complete the Comprehensive Exam, and will complete 9 credit hours of electives to be chosen in consultation with an adviser.*

## Suggested Electives for the Sport Management Masters Program:

*Please note, 400 level courses are not accepted in this program. Electives for this program should be chosen in consultation with the program adviser, choices include:*

- EDLD 514 - Organization and Administration of K-12 Schools 3 hrs
- EDLD 612 - Economics of Public Education 3 hrs
- EDLD 613 - Introduction to Higher Education 3 hrs

- EDLD 622 - Organization and Administration of Higher Education 3 hrs
- LAW 511 - Sports Law 3 hrs
- MGMT 505 - Organizational Theory and Behavior 3 hrs
- MGMT 600 - Leading Innovation and Change 3 hrs
- MGMT 604 - Strategic Communication and Ethical Decision-Making 3 hrs
- MGMT 613 - Leadership in Business Organizations: Theory and Practice 3 hrs
- MGMT 638 - Building Continuous Improvement Teams 3 hrs
- PHED 566 - Sport in American Society 3 hrs
- PHED 665 - Sport and Exercise Psychology 3 hrs
- SMGT 511 - NCAA Compliance 3 hrs
- SMGT 560 - Ethics in Sport Management 3 hrs
- SMGT 597 - Independent Study 1 hr
- SMGT 598 - Independent Study 2 hrs
- SMGT 599 - Independent Study 3 hrs

## Service Learning Experience

*Four volunteer events per year are required.*

**Program Total: 33-36 hours**

## Provisional Certification

### Provisional Certification in Physical Education

Adviser: Roberta Faust, Ph.D.  
 319M Porter  
 734.487.7120  
 rfaust@emich.edu

Students seeking provisional teacher certification in physical education (K-12) must be admitted to the College of Education. Among the prerequisites for admission are a minimum undergraduate GPA of 2.5, a minimum GPA of 2.75 in the teaching major, and a letter of recommendation. In addition, applicants are required to pass the Michigan Test for Teacher Certification (MTTC) basic skills test.

Students seeking provisional certification will complete a planned program of studies leading toward K-12 certification in physical education. Students must also complete an approved minor in a secondary subject area. Additionally, once course work is completed, students must pass the MTTC.

### Undergraduate Courses for Graduate Credit: School of Health Promotion and Human Performance

The following courses may be elected for graduate credit with the approval of your program advisor. A maximum of nine hours of approved 400-level course work may be permitted in the earning of any graduate degree.

If you intend to enroll in any of the following undergraduate courses for graduate credit, you must submit a request form from the Graduate School and Research to receive permission before enrolling in the course; otherwise, you will receive undergraduate credit.

- HLED 460 - Concepts in Sexuality Education 3 hrs
- HLED 490 - Drug Use and Abuse 3 hrs
- PHED 470 - Assessment and Evaluation in Physical Education 2 hrs
- SPMD 430 - Principles of Electrocardiography 3 hrs
- SPMD 431 - Pathophysiology for Sports Medicine 3 hrs
- SPMD 433 - Principles of Strength and Conditioning 3 hrs

## **Athletics**

### **ATHL 590 - Special Topics**

An exploration and study of topics not covered in other departmental offerings. Students may elect this course more than once, provided different topics are studied.

**Credit Hours:** 1 hr

### **ATHL 591 - Special Topics**

An exploration and study of topics not covered in other departmental offerings. Students may elect this course more than once, provided different topics are studied.

**Credit Hours:** 2 hrs

### **ATHL 592 - Special Topics**

An exploration and study of topics not covered in other departmental offerings. Students may elect this course more than once, provided different topics are studied.

**Credit Hours:** 3 hrs

### **ATHL 597 - Independent Study**

An intensive study of a problem under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **ATHL 598 - Independent Study**

An intensive study of a problem under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **ATHL 599 - Independent Study**

An intensive study of a problem under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **ATHL 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **ATHL 679 - Special Topics**

An exploration and study of topics not covered in other departmental offerings. Students may elect this course more than once, provided different topics are studied.

**Credit Hours:** 1 hr

### **ATHL 680 - Special Topics**

An exploration and study of topics not covered in other departmental offerings. Students may elect this course more than once, provided different topics are studied.

**Credit Hours:** 2 hrs

### **ATHL 681 - Special Topics**

An exploration and study of topics not covered in other departmental offerings. Students may elect this course more than once, provided different topics are studied.

**Credit Hours:** 3 hrs

### **ATHL 697 - Independent Study**

Advanced study on an individual basis in areas not covered, or not covered in depth, in formal course work.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Repeatable:** May be repeated for credit.

### **ATHL 698 - Independent Study**

Advanced study on an individual basis in areas not covered, or not covered in depth, in formal course work.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Repeatable:** May be repeated for credit.

## **ATHL 699 - Independent Study**

Advanced study on an individual basis in areas not covered, or not covered in depth, in formal course work.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Repeatable:** May be repeated for credit.

## **Exercise Science and Athletic Training**

### **SPMD 430 - Principles of Electrocardiography**

A three-hour undergraduate course on the basics of electrocardiography. The student will learn the basic concepts of conduction, rate, rhythm, axis determination, hypertrophy infraction and the effects of drug therapy.

**Credit Hours:** 3 hrs

**Prerequisites:** PHED 300/SPMD 300 and candidacy

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

### **SPMD 431 - Pathophysiology for Sports Medicine**

A required course for sports medicine majors that relates normal body functioning to the physiologic changes that occur as a result of injury and disease, and examines the effects of physical activity on these processes.

**Credit Hours:** 3 hrs

**Prerequisites:** PHED 300/SPMD 300 and candidacy

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

### **SPMD 433 - Principles of Strength and Conditioning**

The purpose of this course is to have the student integrate components within the discipline of exercise science (e.g., exercise physiology, biomechanics, growth and maturation, nutrition, etc.) and demonstrate an understanding of their utility in the design and implementation of aerobic and anaerobic exercise programming. Special emphasis will be placed within the area of resistance training, and the opportunity to prepare for professional fitness certification.

**Credit Hours:** 3 hrs

**Prerequisites:** (PHED 204 or SPMD 305) and PHED 300/SPMD 300

**Class Restrictions:** Junior or Senior standing or department permission

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011; Links 06/2011

### **SPMD 508 - Exercise Epidemiology**

SPMD 508 examines the relationship between physical activity and the burden of disease in the population. Specifically, activity's role in health promotion and disease prevention will be emphasized. Students will gain a basic understanding of the principles of epidemiology and specific measurements of physical activity in the population setting.

**Credit Hours:** 3 hrs



**Prerequisites:** PHED 300/SPMD 300

**Last Updated:** Links 06/2011

### **SPMD 515 - Diabetes and Obesity**

This course will provide students in clinical fields of study the knowledge and practical skills to understand the concepts of diabetes and obesity and the implications towards health status. In addition, the role of lifestyle modification will be examined in relation to managing both conditions and improving potential morbidity. Course available only to students in the Physical Education, Sports Medicine, Exercise Physiology, Health, Orthotics and Prosthetics, Dietetics, Nursing, Social Work, Occupational Therapy, Psychology and Biology programs.

**Credit Hours:** 3 hrs

### **SPMD 518 - Sports Supplements**

Graduate students interested in nutritional products that are purported to enhance athletic performance, further their understanding of exercise physiology through this course. Examination of research articles, student presentations, writing assignments and traditional lectures will enable the students to critically evaluate such compounds.

**Credit Hours:** 3 hrs

**Prerequisites:** PHED 300/SPMD 300 or equivalent

**Last Updated:** Links 06/2011

### **SPMD 550 - Applied Performance Physiology I**

This course will examine basic and applied principles of Exercise Physiology from a performance perspective. Emphasis will be placed on the biochemical and metabolic responses to acute exercise as well as chronic adaptations. Muscle physiology of exercise will also be examined.

**Credit Hours:** 3 hrs

**Prerequisites:** SPMD 201, SPMD 202 and SPMD 300

**Equivalent Courses:** SPMD 642

**Last Updated:** New Course 04/2012, effective Fall 2012

### **SPMD 552 - Applied Performance Physiology II**

This course will examine basic and applied principles of Cardiovascular and Pulmonary Exercise Physiology as they relate to performance. Performance in extreme environmental conditions will also be presented. The course will consist of lectures, readings, student presentations and group discussions.

**Credit Hours:** 3 hrs

**Prerequisites:** SPMD 201, SPMD 202 and SPMD 300

**Equivalent Courses:** SPMD 642

**Last Updated:** New Course 04/2012, effective Fall 2012

### **SPMD 554 - Biomechanics of Performance**

The course will examine biomechanics as it relates to performance. Topics covered will include both kinetics and kinematics and how they can be used to understand performance. Qualitative versus quantitative analyses of human movement will be differentiated and placed in the performance context.

**Credit Hours:** 3 hrs

**Prerequisites:** SPMD 201, SPMD 202 and SPMD 300

**Equivalent Courses:** SPMD 518

**Last Updated:** New Course 04/2012, effective Fall 2012

### **SPMD 555 - Statistics for Performance**

A course option for graduate candidates in the Applied Performance Physiology track of the Exercise Physiology program. Students will study descriptive and inferential statistics, the use of statistical software, and principles of research design, as they relate to performance.

**Credit Hours:** 3 hrs

**Last Updated:** New Course 04/2012, effective Fall 2012

### **SPMD 590 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

### **SPMD 591 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

### **SPMD 592 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

### **SPMD 597 - Independent Study**

An intensive study of a problem under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **SPMD 598 - Independent Study**

An intensive study of a problem under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **SPMD 599 - Independent Study**

An intensive study of a problem under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **SPMD 636 - Exercise Testing and Evaluation**

Principles of submaximal fitness assessment, maximal graded exercise testing and alternative forms of diagnostic exercise testing will be presented. Both lecture and laboratory formats will be used. Completion of the SPMD 636/SPMD 637 sequence will help prepare the student for the ACSM Exercise Specialist exam.

**Credit Hours:** 3 hrs

**Previously Listed as:** PHED 630

**Last Updated:** Links 05/2011

## **SPMD 637 - Techniques of Exercise Prescription and Leadership**

The student will learn techniques of exercise prescription for both healthy and clinical populations. In addition techniques of exercise leadership and motivational skills will be presented. Lecture format and case study analysis will be employed. Completion of the SPMD 636/SPMD 637 sequence will prepare the student for the ACSM Exercise Specialist exam.

**Credit Hours:** 3 hrs

**Prerequisites:** SPMD 636

**Previously Listed as:** PHED 637

**Last Updated:** 03/2005; Links 06/2011

## **SPMD 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Notes:** Credit will not apply toward degree completion.

**Terms Offered:** Offered on a credit/no-credit basis.

## **SPMD 642 - Advanced Exercise Physiology I**

Biochemistry of energy metabolism; biophysical functional concepts related to interaction of nerve and muscle; and response to training. Theoretical concepts are supported by practical experience in the human performance laboratory.

**Credit Hours:** 3 hrs

**Prerequisites:** PHED 300/SPMD 300 or equivalent

**Previously Listed as:** PHED642

**Last Updated:** 03/2005

## **SPMD 644 - Advanced Exercise Physiology II**

Cardiovascular and respiratory concepts related to exercise, training, health, disease and aging, supported by practical experience in the human performance laboratory.

**Credit Hours:** 3 hrs

**Prerequisites:** PHED 300/SPMD 300 or equivalent

**Previously Listed as:** PHED 644

**Last Updated:** 03/2005

### **SPMD 651 - Biomechanics of Human Motion**

The course will examine the influence of various forces and locomotion on the human condition from a mechanical perspective. Emphases will be placed upon a critical review of relevant kinetic and kinematic literature, and the various data collection and analysis techniques associated with research in the realm of sport performance and injury prevention.

**Credit Hours:** 3 hrs

### **SPMD 652 - Kinematics of Human Motion**

This course will help students develop an understanding of those mechanical principles associated with the description of musculoskeletal motion. Emphasis will be placed upon a critical review of relevant kinematic literature, and the various data collection and analysis techniques associated with sport performance and injury prevention.

**Credit Hours:** 3 hrs

**Prerequisites:** Undergraduate Biomechanics or Permission of Instructor

**Previously Listed as:** PHED650

**Last Updated:** 03/2005

### **SPMD 654 - Principles of Strength and Conditioning**

The purpose of this course is to review and integrate theoretical elements of exercise science and practical concepts of physical training necessary for the development and implementation of conditioning programs for athletic populations. In addition, the course will help students structurally prepare for the Certified Strength and Conditioning Specialist (CSCS) exam provided by the National Strength and Conditioning Association (NSCA).

**Credit Hours:** 3 hrs

**Prerequisites:** SPMD 201, SPMD 202 and SPMD 300

**Equivalent Courses:** SPMD 433

**Last Updated:** Course Number change, New Course 04/2012, effective Fall 2012

### **SPMD 679 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

### **SPMD 681 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. The content will change from semester to semester. Students may elect this course several times, provided different topics are studied. Not more than six hours of special

topics may be used on a degree program.

**Credit Hours:** 3 hrs

### **SPMD 688 - Internship**

This practical experience requires the completion on 225 hours at an approved worksite in one of the following areas: cardiac rehabilitation, hospital, corporate or community wellness, or strength and conditioning coaching. This is considered an elective for students to gain some practical experience in the field. Completion of SPMD 688 may not be counted toward SPMD 689. Students may not use current employment as completion of this requirement.

**Credit Hours:** 3 hrs

**Prerequisites:** SPMD 636, SPMD 642, SPMD 644 and department permission

**Last Updated:** Links 05/2011

### **SPMD 689 - Internship**

One option for the culmination project for the Masters Degree in Exercise Physiology. This practical experience requires the completion of 450 hours at an approved worksite in one of the following areas: cardiac rehabilitation, hospital, corporate or community wellness, or strength and conditioning coaching. Students may not use current employment as completion of this requirement.

**Credit Hours:** 6 hrs

**Prerequisites:** SPMD 636, SPMD 642, SPMD 644 and department permission

**Last Updated:** Links 05/2011

### **SPMD 690 - Thesis**

Completion of research and/or analytical problem, writing of thesis and committee approval of same.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Last Updated:** Created in catalog 08/2012

### **SPMD 691 - Thesis**

Completion of research and/or analytical problem, writing of thesis and committee approval of same.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Last Updated:** Created in catalog 08/2012

### **SPMD 692 - Thesis**

Completion of research and/or analytical problem, writing of thesis and committee approval of same.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Last Updated:** Created in catalog 08/2012

### **SPMD 697 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **SPMD 698 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **SPMD 699 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **Health Education**

### **HLED 460 - Concepts in Sexuality Education**

This course examines the biological and behavioral dynamics of human sexuality and sexuality education with the identification and examination of contemporary issues. Emphasis will be placed on sexuality education in schools and the community. Methods include: lecture, small group discussion, computer applications and student presentations.

**Credit Hours:** 3 hrs

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

### **HLED 490 - Drug Use and Abuse**

This course offers a broad overview of drug use. Historical perspectives of current problems, pharmacology of drugs commonly used and abused, physiological and psychological factors related to abuse, substance abuse prevention programs, treatment and drugs and the law are all addressed. Methods include: lecture, small group discussion, student presentations.

**Credit Hours:** 3 hrs

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

### **HLED 545 - Sex Education**

Designed to provide a period of concentrated study and discussion about sex education for teachers, nurses, school administrators, clergy and interested representatives of community agencies.

**Credit Hours:** 2 hrs

### **HLED 546 - Alcohol Use and Abuse**

Designed to improve the quality of teaching in alcohol education and the quality of rehabilitative efforts by public and private agencies concerned with alcohol problems. Attempts to develop an understanding of the physiological, psychological and sociological factors related to the use of alcohol. Specifically, it is concerned with developing constructive attitudes toward the alcohol problem and dispelling prejudices, misunderstandings and myths, which obscure facts.

**Credit Hours:** 2 hrs

### **HLED 550 - Theoretical and Philosophical Foundations of Health Education**

An overview of the history, philosophies, ethical considerations and theories underlying health education practice. Emphasis will be placed on current and future roles and functions of professional health educators in a variety of settings. Methods will include, discussion and classroom activities designed to enhance application of course content.

**Credit Hours:** 3 hrs

### **HLED 555 - Current Health Issues and Trends**

An investigation of recent literature, research and practices in health education. Emphasis will be placed on applications to community, school and organizational settings. Methods will include lecture, discussion and classroom activities designed to enhance application of course content.

**Credit Hours:** 3 hrs

### **HLED 558 - Health Education Methods and Materials**

An examination of the methods and materials utilized in delivery of health education. Emphasis will be placed on educational strategies for individuals and groups in a variety of settings. Methods will include lecture, discussion and classroom activities designed to enhance application of course content.

**Credit Hours:** 3 hrs

**Prerequisites:** HLED 550

**Last Updated:** Prerequisite Change 04/2012, effective Fall 2012

### **HLED 560 - School Health Education Programming and Curriculum**

This course is designed to provide school health personnel with an opportunity to study and understand the function of the coordinated school health program, with special emphasis on the classroom teacher. Methods will include lecture, discussion and classroom activities designed to enhance application of course content.

**Credit Hours:** 3 hrs

**Prerequisites:** HLED 550 and HLED 555

**Last Updated:** Links 05/2011

### **HLED 562 - Health Education Program Planning**

A study of the various models and processes used in the development of health education programs. Students will gain skills necessary to plan health education programs for a wide variety of target populations and settings. Methods will include lecture, discussion and classroom activities designed to enhance application of course content.

**Credit Hours:** 3 hrs

**Prerequisites:** HLED 550 and HLED 555

**Last Updated:** Links 05/2011

## **HLED 564 - Health Education for Diverse Populations**

This course is designed to help students identify, and develop effective health education programming that will lend to the reduction of health disparities that exist in diverse populations. Methods will include lecture, discussion and classroom activities designed to enhance application of course content.

**Credit Hours:** 3 hrs

**Prerequisites:** HLED 550

**Previously Listed as:** HLED 495

**Last Updated:** Prerequisite Change 04/2012, effective Fall 2012

## **HLED 565 - Women's Health**

This class will provide an integrated, multidisciplinary approach to women's health. Methods include: lectures, discussion, cooperative group activity, self-awareness activities and use of the World Wide Web.

**Credit Hours:** 3 hrs

**Cross-listed with:** WGST 565

**Last Updated:** Cross-listed Course added 6/2012

## **HLED 570 - Measurement in Health Education**

This course is designed to provide students with the knowledge and skills necessary to identify, develop and conduct protocols to assess individual and group needs for health education as well as program impact and outcomes. Methods will include lecture, discussion and classroom activities designed to enhance application of course content.

**Credit Hours:** 3 hrs

**Prerequisites:** HLED 562

**Last Updated:** Prerequisite Change 04/2012, effective Fall 2012

## **HLED 575 - Implementation and Administration of Health Education Programs**

An overview of the process of health education program implementation and administration. Students will gain knowledge and skills necessary to effectively and efficiently conduct health education programs. Methods will include lecture, discussion and classroom activities designed to enhance application of course content.

**Credit Hours:** 3 hrs

**Prerequisites:** HLED 550 and HLED 555

**Last Updated:** Prerequisite Change 04/2012, effective Fall 2012; Links 05/2011

## **HLED 590 - Special Topics**

Experimental course(s) designed to investigate specific topics of concern in the specialization areas of study in health education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

## **HLED 591 - Special Topics**



Experimental course(s) designed to investigate specific topics of concern in the specialization areas of study in health education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

### **HLED 592 - Special Topics**

Experimental course(s) designed to investigate specific topics of concern in the specialization areas of study in health education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

### **HLED 595 - Workshop in Health Education**

A specialized workshop in the area of health education, with the central theme to be announced.

**Credit Hours:** 2 hrs

### **HLED 597 - Independent Study**

An intensive study of a problem under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **HLED 598 - Independent Study**

An intensive study of a problem under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **HLED 599 - Independent Study**

An intensive study of a problem under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **HLED 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **HLED 643 - Problems in Community Health**

Community health problems and the forces operative in their solution and the role of the educators in dealing with the health problems of their environment.

**Credit Hours:** 2 hrs

### **HLED 645 - Problems in Sex Education**

A course designed to help school personnel improve and implement comprehensive sex education programs in the schools, K-12. The focus is on the improvement of skills and techniques in teaching and program development.

**Credit Hours:** 2 hrs

### **HLED 650 - Administration of the School Health Program**

For principals, supervisors, coordinators, athletic directors and other personnel involved with the administration and leadership in school health programs. Current administrative theory in the implementation and improvement of school health programs.

**Credit Hours:** 2 hrs

### **HLED 679 - Special Topics**

Experimental course(s) designed to investigate specific topics of concern in the specialization areas of study in health education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

### **HLED 680 - Special Topics**

Experimental course(s) designed to investigate specific topics of concern in the specialization areas of study in health education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

### **HLED 681 - Special Topics**

Experimental course(s) designed to investigate specific topics of concern in the specialization areas of study in health education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

### **HLED 690 - Project in Health Education**

A practical application of health education programming principles to a specific problem identified by the student and supervised by a faculty committee.

**Credit Hours:** 3 hrs

**Prerequisites:** HLED 550, HLED 555, HLED 558, (HLED 560 or HLED 562), HLED 564, HLED 570, HLED 575, HPHP 505, HPHP 677 and department permission

**Last Updated:** Prerequisite and Corequisite Change 04/2012, effective Fall 2012; Links 05/2011

## **HLED 692 - Thesis in Health Education**

An intensive research project conducted by the student under the direction of a faculty committee.

**Credit Hours:** 3 hrs

**Prerequisites:** HLED 550, HLED 555, HLED 558, (HLED 562 or HLED 560), HLED 564, HLED 570, HLED 575, HPHP 505, HPHP 677 and department permission

**Last Updated:** Prerequisite and Corequisite Change 04/2012, effective Fall 2012; Links 05/2011

## **HLED 695 - Seminar in Health Education**

An intensive study into the opportunities and challenges encountered while planning, implementing and evaluating health education programs. Students will participate in problem solving activities requiring the synthesis and integration of theory, principles, research, knowledge and skills gained through previous academic preparation.

**Credit Hours:** 3 hrs

**Prerequisites:** HLED 550, HLED 555, HLED 558, HLED 564, HLED 560 or HLED 562), HLED 570, HLED 575, HPHP 505 and HPHP 677

**Corequisites:** HLED 692

**Last Updated:** Prerequisite changes 10/2012, effective Winter 2013, Links 05/2011

## **HLED 697 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

## **HLED 698 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

## **HLED 699 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **Orthotics and Prosthetics**

### **ORPR 580 - Introduction to Orthotics and Prosthetics**

Course is specifically designed for students possessing a baccalaureate degree who wish to become certified orthotists or prosthetists. Juniors and seniors who wish to explore career opportunities in either discipline are encouraged to take the course for undergraduate credit. The history, organization of the profession and the scope of practice encountered as a clinician will be covered.

**Credit Hours:** 3 hrs  
**Previously Listed as:** SPMD580  
**Last Updated:** 02/2011

### **ORPR 581 - Musculoskeletal Pathologies for Orthotics and Prosthetics**

Required course for students possessing a baccalaureate degree who wish to become certified orthotists or prosthetists. Introduces students to the common musculoskeletal pathologies encountered in clinical practice and to the radiographic and other imaging techniques used in their evaluation.

**Credit Hours:** 3 hrs  
**Major Restrictions:** Students in ORPR, CPRO or CORT programs only  
**Previously Listed as:** SPMD581  
**Last Updated:** 02/2011

### **ORPR 582 - Kinesiology-Biomechanical Basis of Orthotic & Prosthetic Management**

Introduction of biomechanical principles that act to restore normal or near-normal patient function including essential mechanical principles that help control movement of the spine and lower extremity with and without external devices.

**Credit Hours:** 3 hrs  
**Major Restrictions:** Students in ORPR, CPRO or CORT programs only  
**Previously Listed as:** SPMD582  
**Last Updated:** 02/2011

### **ORPR 605 - Clinical Gait Analysis**

Methods of observing, and interpreting normal and pathological gait.

**Credit Hours:** 3 hrs  
**Prerequisites:** ORPR 582  
**Major Restrictions:** Students in ORPR, CPRO or CORT programs only  
**Previously Listed as:** SPMD605  
**Last Updated:** Links 05/2011

### **ORPR 610 - Spinal and Upper Extremity Orthotics**

Provides the student with a detailed functional analysis of the cervical, thoracic and lumbar spine and upper limb. Specific pathologies and their appropriate orthotic management is emphasized.

**Credit Hours:** 3 hrs  
**Prerequisites:** ORPR 581  
**Major Restrictions:** Students in ORPR, CPRO or CORT programs only  
**Previously Listed as:** SPMD 610  
**Last Updated:** Links 05/2011

### **ORPR 615 - Lower Extremity Prosthetics I**

Causes of lower limb amputation and its prosthetic management are presented. Effects of amputation level and the biomechanical constraints that different prosthetic designs impose on patients is examined.

**Credit Hours:** 3 hrs

**Prerequisites:** ORPR 582 and ORPR 605

**Major Restrictions:** Students in ORPR, CPOS or CORT programs only

**Previously Listed as:** SPMD 615

**Last Updated:** Links 05/2011

## **ORPR 620 - Clinical Affiliation I**

Students will be assigned to an affiliated clinical facility to observe and participate in orthotic management of patients. This affiliation will be arranged and supervised by the clinical director.

**Credit Hours:** 2 hrs

**Major Restrictions:** Students in ORPR, CPRO or CORT programs only

## **ORPR 630 - Research Methods for Orthotics and Prosthetics**

This is an overview of the design and analysis techniques used in healthcare research. Single subject or single system designs applicable to orthotics and prosthetics is emphasized.

**Credit Hours:** 3 hrs

**Prerequisites:** ORPR 582

**Major Restrictions:** Students in ORPR, CPRO or CORT programs only

**Previously Listed as:** SPMD 630

**Last Updated:** Links 05/2011

## **ORPR 640 - Lower Extremity Orthotics I**

In-depth study of design, fabrication and application of foot orthoses and ankle-foot orthoses. Theoretical and applied issues in optimizing orthotic management will be examined.

**Credit Hours:** 3 hrs

**Prerequisites:** ORPR 582

**Major Restrictions:** Students in ORPR, CPRO or CORT programs only

**Previously Listed as:** SPMD 640

**Last Updated:** Links 05/2011

## **ORPR 645 - Lower Extremity Prosthetics II**

Builds on ORPR 615 and synthesizes the theoretical principles and clinical procedures of trans-femoral prosthetics. Particular emphasis is placed on the biomechanics and kinematics of a proximal amputation. Patient evaluation, prescription criteria and appropriate component selection are central principles of this course.

**Credit Hours:** 3 hrs

**Prerequisites:** ORPR 615

**Major Restrictions:** Students in ORPR, CPRO or CORT programs only

**Previously Listed as:** SPMD 645

**Last Updated:** Links 05/2011

## **ORPR 650 - Lower Extremity Orthotics II**

Content includes the principles, components and techniques of lower orthoses used at, and proximal to, the knee. Instruction includes knee orthoses (KO), hip orthoses (HO), and knee-ankle-foot orthoses (KAFO).

**Credit Hours:** 3 hrs

**Prerequisites:** ORPR 640

**Major Restrictions:** Students in ORPR, CPRO or CORT programs only

**Previously Listed as:** SPMD 650

**Last Updated:** Links 05/2011

## **ORPR 655 - Upper Extremity Prosthetics**

Clinical evaluation techniques will be coupled with the appropriate prosthetic management. Students will evaluate case studies and integrate their knowledge to recommend appropriate prostheses for patients.

**Credit Hours:** 3 hrs

**Prerequisites:** ORPR 581

**Major Restrictions:** Students in ORPR, CPRO or CORT programs only

**Previously Listed as:** SPMD 655

**Last Updated:** Links 05/2011

## **ORPR 660 - Advanced Techniques and Procedures in Orthotics and Prosthetics**

Advanced techniques for prosthetics and orthotic management of patients are presented. State of the art materials and methodologies are discussed along with an analysis of current research of orthotic and prosthetic procedures.

**Credit Hours:** 3 hrs

**Prerequisites:** ORPR 582

**Major Restrictions:** Students in ORPR, CPRO or CORT programs only

**Previously Listed as:** SPMD 660

**Last Updated:** Links 05/2011

## **ORPR 665 - Administration of Orthotics and Prosthetic Facilities**

Administrative and management of a contemporary orthotic and/or prosthetic facility. Includes, but is not limited to: policy development, insurance, managed care, personnel, billing and regulatory agencies.

**Credit Hours:** 3 hrs

**Prerequisites:** ORPR 580 and ORPR 630

**Major Restrictions:** Students in ORPR, CPRO or CORT programs only

**Previously Listed as:** SPMD 665

**Last Updated:** Links 05/2011

## **ORPR 680 - Clinical Affiliation II**

Students will be assigned to an affiliated clinical facility to observe and participate in prosthetic management of patients. This affiliation will be arranged and supervised by the clinical director.

**Credit Hours:** 2 hrs

**Prerequisites:** ORPR 605

**Major Restrictions:** Students in ORPR, CPRO or CORT programs only

**Previously Listed as:** SPMD 680

**Last Updated:** 02/2011

## **ORPR 697 - Independent Study**

An intensive study of a program or group of problems under the direction of a university faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** ORPR 581 and ORPR 582; department permission

**Major Restrictions:** Students in ORPR, CPRO or CPOS programs only

**Last Updated:** Links 05/2011

## **ORPR 698 - Independent Study**

An intensive study of a program or group of problems under the direction of a university faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** ORPR 581 and ORPR 582; department permission

**Major Restrictions:** Students in ORPR, CPRO or CPOS programs only

**Last Updated:** Links 05/2011

## **ORPR 699 - Independent Study**

An intensive study of a program or group of problems under the direction of a university faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** ORPR 581 and ORPR 582; department permission

**Major Restrictions:** Students in ORPR, CPRO or CPOS programs only

**Last Updated:** Links 05/2011

## **Physical Education**

### **PHED 470 - Assessment and Evaluation in Physical Education**

The discriminating selection, administration, interpretation and use of standardized tests and measurements in physical education.

**Credit Hours:** 2 hrs

**Prerequisites:** Entry into College of Education required.

**Graduate Credit:** This is an undergraduate course available to graduate students for graduate credit.

**Last Updated:** Graduate Credit 07/2011

### **PHED 501 - Philosophical and Ethical Issues in Physical Education**

Inquiry into major philosophies (realism, idealism, pragmatism, existentialism, phenomenology) and ethical issues as each relates to Physical Education; research, discussion and reflection on how philosophy influences current Physical Education practices; alignment of personal and professional philosophy of physical education through examination of philosophical and ethical issues.

**Credit Hours:** 3 hrs

**Previously Listed as:** PHED 587

**Last Updated:** 1/31/2011

### **PHED 506 - Test Construction**

Types of written tests and examinations; construction, selection and interpretation of results.

**Credit Hours:** 2 hrs

### **PHED 521 - Legal Liability of Educators and Athletic Coaches**

A course designed to provide an opportunity for students to explore the provisions of state legislation, common law, governmental immunity and the legal defenses to the tort of negligence as they relate to the avoidance of being successfully named as a defendant in civil litigation alleging professional negligence.

**Credit Hours:** 2 hrs

### **PHED 542 - Advanced Human Physiology**

An advanced examination of the functioning of the human organism covering topics not covered in detail in an introductory human physiology course or other departmental offerings. The emphasis is on the interaction of body systems and their application to the field of sports medicine.

**Credit Hours:** 3 hrs

**Prerequisites:** SPMD 201/SPMD 202 or PHED 200 or PHED 300

**Last Updated:** Links 06/2011

### **PHED 550 - Applied Physical Education Technologies**

Provides an overview of how technology is infused in physical education and movement professions. Through the use of internet, lecture/demonstration and hands-on experiences, students use and evaluate software, hardware and peripheral devices applicable to school and non-school settings.

**Credit Hours:** 3 hrs

### **PHED 565 - Problems in Intramural and Extramural Sports**

Organization and administration of intramural and extramural sports in junior and senior high schools; practical aspects of programming for groups and individuals.

**Credit Hours:** 2 hrs

### **PHED 566 - Sport in American Society**

A critical study of sport in American Society. The course highlights the changing role of sport in American culture. Topics include the institution of sport, socialization into and out of sport, race and sport, gender and sport, current events and the future of the role of sport in society.

**Credit Hours:** 3 hrs

### **PHED 568 - Evaluation and Implementation of Physical Fitness Programs**

Current theories and research in physical fitness in our society; evaluation of school programs; development of techniques to increase physical fitness and fitness knowledge in the school population.

**Credit Hours:** 3 hrs



## **PHED 570 - Critical Analysis of Physical Education**

The expanding of physical education and the physical educator; and analysis of research in the foundation sciences and in philosophy.

**Credit Hours:** 2 hrs

## **PHED 572 - Design and Implementation of Wellness Programs**

A required course for the adult/corporate fitness concentration in the master's degree program in physical education. Instruction covers the essential skills needed to design and implement adult wellness programs.

**Credit Hours:** 3 hrs

## **PHED 578 - Motor Development and Learning**

A study of motor skill development based on age and growth patterns of children. An inquiry into major theories of motor development and motor learning. Research, discussion and application of theories as they relate to how school age students actually learn motor skills and movement patterns.

**Credit Hours:** 3 hrs

## **PHED 579 - Physical Education for the Mentally Impaired**

Physical education curriculum and programming for the mentally impaired. Content includes program goals, assessment, prescription, teaching and program evaluation. Emphasis will be placed on adapting materials and utilizing alternative teaching strategies to individualize instruction.

**Credit Hours:** 2 hrs

## **PHED 580 - Comparative Physical Education**

The historical heritage of physical education from ancient cultures (Greece, Rome, China, etc.) to modern America; studies of objectives, practices and programs of ancient cultures that led to modern physical education programs.

**Credit Hours:** 3 hrs

## **PHED 581 - Physical Education for Students with Disabilities**

Physical education curriculum and programming for the student with a disability. Content includes program goals, assessment, prescription, teaching and program evaluation. Emphasis will be placed on adapting materials and utilizing alternative teaching styles to individualized instruction in both inclusion and self-contained teaching situations.

**Credit Hours:** 3 hrs

## **PHED 582 - Skill Analysis**

A class designed to further analyze skills. A skill-analysis model will be developed based upon research from motor behavior and biomechanical theory.

**Credit Hours:** 3 hrs

**Prerequisites:** PHED 204 or instructor permission

**Last Updated:** Links 06/2011

### **PHED 583 - Teaching Effectiveness in Physical Education**

An examination of effective teaching by establishing realistic objectives, observation and analysis of instruction. A study of teaching strategies and current research related to teaching in physical education.

**Credit Hours:** 3 hrs

### **PHED 584 - Physical Education Curriculum and Instructional Design**

A lecture and discussion course for the graduate student in physical education. This course will define curriculum, explore the basis for curriculum planning, establish an organizational plan for developing curriculum and evaluate an established physical education program.

**Credit Hours:** 3 hrs

### **PHED 590 - Special Topics**

Experimental course(s) designed to investigate specific topics of concern in the specialization areas of study in physical education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

### **PHED 591 - Special Topics**

Experimental course(s) designed to investigate specific topics of concern in the specialization areas of study in physical education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

### **PHED 592 - Special Topics**

Experimental course(s) designed to investigate specific topics of concern in the specialization areas of study in physical education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

### **PHED 593 - Mentoring and Supervision in Physical Education**

An advanced course for preparing physical educators to supervise student teachers and mentor beginning physical educators during their induction years. Students will study theoretical models of supervision and mentoring and connect research with teaching practice through development and implementation of authentic learning projects.

**Credit Hours:** 3 hrs

**Previously Listed as:** PHED585

### **PHED 594 - Workshop**

A specialized workshop in the area of physical education, with the central theme to be announced.

**Credit Hours:** 1 hr

### **PHED 595 - Workshop**

A specialized workshop in the area of physical education, with the central theme to be announced.

**Credit Hours:** 2 hrs

### **PHED 596 - Biomechanics of the Musculo-Skeletal System**

A required course for the biomechanics concentration in the master's degree program in physical education. Instruction will focus on biomaterials, joint motion, measurement techniques and approaches to modeling biomechanical systems.

**Credit Hours:** 3 hrs

**Prerequisites:** PHED 200, PHED 300 and PHY 221

**Last Updated:** Links 06/2011

### **PHED 597 - Independent Study**

An intensive study of a problem under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **PHED 598 - Independent Study**

An intensive study of a problem under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **PHED 599 - Independent Study**

An intensive study of a problem under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **PHED 606 - Colloquium**

**Credit Hours:** 1 hr

### **PHED 607 - Colloquium**

**Credit Hours:** 2 hrs

### **PHED 608 - Colloquium**

**Credit Hours:** 3 hrs

### **PHED 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources. Credit will not apply toward degree completion.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **PHED 665 - Sport and Exercise Psychology**

An overview of the history, philosophies, theories and ethical considerations of sport and exercise psychology. The course will cover both the theoretical and applied nature of the field.

**Credit Hours:** 3 hrs

### **PHED 679 - Special Topics**

Experimental course(s) designed to investigate specific topics of concern in the specialization areas of study in physical education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

### **PHED 680 - Special Topics**

Experimental course(s) designed to investigate specific topics of concern in the specialization areas of study in physical education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

### **PHED 681 - Special Topics**

Experimental course(s) designed to investigate specific topics of concern in the specialization areas of study in physical education. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

### **PHED 686 - Internship**

A directed field experience in a department-approved agency or institution under the direction of certified personnel. Arrangements must be made by adviser prior to registration

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **PHED 687 - Internship**

A directed field experience in a department-approved agency or institution under the direction of certified personnel. Arrangements must be made by adviser prior to registration

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **PHED 688 - Internship**

A directed field experience in a department-approved agency or institution under the direction of certified personnel. Arrangements must be made by adviser prior to registration

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **PHED 689 - Internship**

A directed field experience in a department-approved agency or institution under the direction of certified personnel. Arrangements must be made by adviser prior to registration

**Credit Hours:** 4 hrs

### **PHED 690 - Thesis**

Completion of research and/or analytical problem, writing of thesis and committee approval of same.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Last Updated:** Created 01/2012; effective Winter 2012

### **PHED 691 - Thesis**

Completion of research and/or analytical problem, writing of thesis and committee approval of same.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Last Updated:** Created 01/2012; effective Winter 2012

### **PHED 692 - Thesis**

Completion of research and/or analytical problem, writing of thesis and committee approval of same.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Last Updated:** Created 01/2012; effective Winter 2012

### **PHED 694 - Seminar-Physical Education**

A specialized seminar in the area of physical education, with the central theme to be announced.

**Credit Hours:** 2 hrs

### **PHED 697 - Independent Study**

An intensive study of a problem under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **PHED 698 - Independent Study**

An intensive study of a problem under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **PHED 699 - Independent Study**

An intensive study of a problem under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **Recreation**

### **RECR 590 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. Subject matter will change from semester to semester. Students may elect this course more than once, provided different topics are covered.

**Credit Hours:** 1 hr

### **RECR 591 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. Subject matter will change from semester to semester. Students may elect this course more than once, provided different topics are covered.

**Credit Hours:** 2 hrs

### **RECR 592 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. Subject matter will change from semester to semester. Students may elect this course more than once, provided different topics are covered.

**Credit Hours:** 3 hrs

### **RECR 597 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **RECR 598 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **RECR 599 - Independent Study**

An intensive study of a problem or group of problems under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **RECR 639 - Continuous Enrollment**

Graduate students who are completing research (master's or specialist), capstone or internship experiences and have completed all other graduate program course requirements may remain affiliated with the University through continuous enrollment. Enrollment enables access to library, health services and other resources.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Notes:** Credit will not apply toward degree completion.

**Terms Offered:** Offered on a credit/no-credit basis.

### **RECR 679 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. Subject matter will change from semester to semester. Students may elect this course more than once, provided different topics are covered.

**Credit Hours:** 1 hr

### **RECR 680 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. Subject matter will change from semester to semester. Students may elect this course more than once, provided different topics are covered.

**Credit Hours:** 2 hrs

### **RECR 681 - Special Topics**

An experimental course for subject matter not provided in other departmental offerings. Subject matter will change from semester to semester. Students may elect this course more than once, provided different topics are covered.

**Credit Hours:** 3 hrs

### **RECR 694 - Seminar**

**Credit Hours:** 2 hrs

### **RECR 697 - Independent Study**

An intensive study of a problem or group of problems. The completed study must give evidence of the student's ability to select a problem and set it up and pursue it to satisfactory completion. Must be done with approval of a full-time member of the staff.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **RECR 698 - Independent Study**

An intensive study of a problem or group of problems. The completed study must give evidence of the student's ability to select a problem and set it up and pursue it to satisfactory completion. Must be done with approval of a full-time member of the staff.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **RECR 699 - Independent Study**

An intensive study of a problem or group of problems. The completed study must give evidence of the student's ability to select a problem and set it up and pursue it to satisfactory completion. Must be done with approval of a full-time member of the staff.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

## **Sport Management**

### **SMGT 502 - Introduction to Sport Management**

This course is an introduction to the field of sport management/athletic administration. The course will survey topics such as staffing, facilities, equipment, and public relations. All students in the course will be required to plan and attend an athletic event.

**Credit Hours:** 3 hrs

### **SMGT 511 - NCAA Compliance**

This course introduces students to basic compliance principles and the NCAA rules that affect the management of a college athletic department. This course offers an understanding of the structure and function of a Division I compliance operation. The governing principles of institutional control and ethical conduct will be explored from a compliance perspective.

**Credit Hours:** 3 hrs

### **SMGT 560 - Ethics in Sport Management**

The purpose of this course is to provide students with an opportunity to reflect on and discuss ethical concerns in physical education and athletics. Topics will include ergogenic aids, competition vs. cooperation, commercialization, and youth sport.

**Credit Hours:** 3 hrs



## **SMGT 562 - Facility Planning and Development**

This course provides the students with an examination of the functions of planning, management, evaluation, maintenance, operations, and situational analysis as they relate to facility management in physical education, athletics, and recreation. Students will visit off-campus facilities.

**Credit Hours:** 3 hrs

**Major Restrictions:** Sport Management Master's Program

## **SMGT 564 - Planning and Promoting Events in Physical Education and Sports**

Topics and issues involved in the planning and promotion of sporting events. Examples include (but are not limited to) high school and collegiate athletics.

**Credit Hours:** 3 hrs

**Major Restrictions:** Sport Management Master's Program

## **SMGT 566 - Financial Administration of Physical Education and Athletics**

Principles and factors involved in the fiscal management of athletics/sports programs. Addresses budgeting, purchasing, operational procedures, and risk management.

**Credit Hours:** 3 hrs

**Major Restrictions:** Sport Management Master's Program

## **SMGT 568 - Human Resources for Physical Education and Sport**

Study of administrative problems particular to physical education and sport. Topics include volunteers, leadership and job design as related to sport administration.

**Credit Hours:** 3 hrs

**Major Restrictions:** Sport Management Master's Program

## **SMGT 590 - Special Topics**

Experimental course(s) designed to investigate specific topics of concern in the specialization areas of study in sports management. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hrs

## **SMGT 591 - Special Topics**

Experimental course(s) designed to investigate specific topics of concern in the specialization areas of study in sports management. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

## **SMGT 592 - Special Topics**

Experimental course(s) designed to investigate specific topics of concern in the specialization areas of study in sports management. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

### **SMGT 597 - Independent Study**

An intensive study of a problem under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **SMGT 598 - Independent Study**

An intensive study of a problem under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **SMGT 599 - Independent Study**

An intensive study of a problem under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **SMGT 639 - Continuous Enrollment**

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Notes:** Credit will not apply toward degree completion.

**Terms Offered:** Offered on a credit/no-credit basis.

### **SMGT 679 - Special Topics**

Experimental course(s) designed to investigate specific topics of concern in the specialization areas of study in sports management. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 1 hr

### **SMGT 680 - Special Topics**

Experimental course(s) designed to investigate specific topics of concern in the specialization areas of study in sports management. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 2 hrs

### **SMGT 681 - Special Topics**

Experimental course(s) designed to investigate specific topics of concern in the specialization areas of study in sports management. Not more than six hours of special topics may be used on a degree program.

**Credit Hours:** 3 hrs

### **SMGT 688 - Sport Management Internship**

A directed internship in a department approved physical education or sport setting, under the direction of certified personnel. Student must have completed two semesters with a minimum GPA of 3.0. Arrangements must be made by advisor prior to registration.

**Credit Hours:** 3 hrs

**Prerequisites:** SMGT 562, SMGT 568 and department permission

**Major Restrictions:** Sport Management majors only

**Last Updated:** Links 05/2011

### **SMGT 690 - Thesis**

Completion of research and/or analytical problem, writing of thesis and committee approval of same.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

**Last Updated:** 11/2010

### **SMGT 691 - Thesis**

Completion of research and/or analytical problem, writing of thesis and committee approval of same.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

**Last Updated:** 11/2010

### **SMGT 692 - Thesis**

Completion of research and/or analytical problem, writing of thesis and committee approval of same.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

**Last Updated:** 11/2010

### **SMGT 697 - Independent Study**

An intensive study of a problem under the direction of a University faculty member.

**Credit Hours:** 1 hr

**Prerequisites:** department permission

### **SMGT 698 - Independent Study**

An intensive study of a problem under the direction of a University faculty member.

**Credit Hours:** 2 hrs

**Prerequisites:** department permission

### **SMGT 699 - Independent Study**

An intensive study of a problem under the direction of a University faculty member.

**Credit Hours:** 3 hrs

**Prerequisites:** department permission

### **SPMD 560 - Performance Nutrition**

This course will examine basic and applied principles of nutrition as they relate to performance. The importance of each of the macronutrients and many micronutrients, as well as the demands high level athletic performance place on nutritional strategies will be presented.

**Credit Hours:** 3 hrs

**Prerequisites:** SPMD 201, SPMD 202 and SPMD 300

**Notes:** This is an online course

**Last Updated:** New Course 11/2012, effective Winter 2013

# **Academic Service-Learning**

## **Office of Academic Service-Learning**

Jessica “Decky” Alexander  
Director, Office of Academic Service-Learning  
219 Rackham  
734-487-6570

Academic Service-Learning Flyer

### **Fall 2012 A S-L Courses**

BIOT 506 - Methods for Teaching Secondary Biology (Instructor: Chiron Graves)

CRTW 550 - Community Outreach for Creative Writers (Instructor: Christine Hume)

MGMT 550 - International Management: A Cultural Perspective (Instructor: Jean L. Bush-Bacelis)

SPSI 508 - Multicultural Issues in Intervention for Communication Disorders (Instructor: Ana Claudia)

# Personal Statement Guidelines - Graduate Certificate in Dementia

On a separate piece of paper, please thoughtfully reflect on the following points to include in your application to the Graduate School: One or two pages in narrative form is recommended. The points below can be incorporated into your discussion and do not need to be answered directly.

- What personal experiences have you had with persons with dementia or their families?
- What professional experiences have you had with persons with dementia or their families?
- Have you taken any college courses in the area of dementia care? What skills have you learned in working/communicating with individuals with dementia? Do you have any clinical or leadership experience in the field of dementia care?
- What are the areas in dementia care that you wish to learn more about?
- What types of care settings would you want to have experiences in? (Home care, assisted living, adult day care, long term care, community-based service agencies)
- Do you have interest in education or training others in dementia care?
- What are your plans for the near future in the field of dementia care?
- What will your plans be in the field of dementia care in 3 to 5 years?
- How did you become interested in the field of dementia care?

**Please send your Personal Statement to Admissions, along with your application to the Graduate School. Also, send a copy to the advisor in the Graduate Certificate in Dementia at the following address:**

Adviser: Elizabeth Schuster, Director  
Gerontology Program  
104 Roosevelt Hall  
734.487.1361  
eschuster@emich.edu

Advisor:  
Graduate Certificate in Gerontology  
Graduate Certificate in Dementia  
Gerontology Minor