

1970

## Graduate Catalog, 1970-1971

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70

VALPARAISO  
UNIVERSITY

GRADUATE DIVISION BULLETIN

MASTER OF ARTS IN LIBERAL STUDIES

MASTER OF ARTS IN TEACHING

announcements for the sessions of 1970-1971

may 1, 1970

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Number 6

PROGRAMS FOR THE  
MASTER OF ARTS  
IN  
LIBERAL STUDIES

MASTER OF ARTS  
IN  
TEACHING

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The University, in offering graduate programs, is seeking to fulfill an objective set by the Lutheran University Association when it acquired the plant in 1925: to make the institution a Christian center of advanced study. The University desires through these programs to broaden its educational service to its constituency and to the community as a whole. There are elements of uniqueness in these programs, both in breadth and depth, which make them unusual in American higher education.

The program of graduate studies was initiated by Valparaiso University in the Summer Session of 1963. It has continued through late afternoon and evening courses during subsequent academic years. At present the plan is to offer graduate courses in this pattern of summer sessions and evening courses.

The graduate programs are under the general supervision of the President and the Faculty of the University. The policies of the Graduate Division are determined by the Graduate Council, and the programs and regulations as defined by the Council are administered by the Director of the Graduate Division.

## ACCREDITATION

Valparaiso University is fully accredited by the North Central Association of Colleges and Secondary Schools for the offering of bachelor's and master's degrees.

The graduate programs have been formally approved by the Indiana State Department of Public Instruction for the training of teachers and the programs meet the requirements for certification in most other states.

## ADMISSION REQUIREMENTS

An applicant to the Graduate Division must be a graduate of an accredited college or university with a standing of at least 1.5 (C=1.00) in all work attempted.\* Official transcripts of all undergraduate and previous

\*Seniors wishing admission to the Graduate Division: A senior in Valparaiso University who has a standing of at least 2.00 in all his work and a standing of at least 2.00 in all the work taken in his major field, and who needs not more than six semester hours of credit to meet the requirements for his baccalaureate degree, may be granted provisional admission to the graduate program. A student who has been granted such admission will be permitted to enroll for not more than six semester hours of courses designated for graduate credit and not more than a total of twelve semester hours during a semester; or for not more than three semester hours of courses designated for graduate credit and not more than a total of six semester hours during a summer session. Courses taken for graduate credit may not be counted toward fulfilling the requirements for a baccalaureate degree.

graduate work and a completed form for admission (available from the office of the Director) must be forwarded to the Director of the Graduate Division for evaluation. The transcripts and other application materials become part of the records of the Graduate Division, Valparaiso University, and are not returnable.

The Director will assign an adviser according to the selected area of academic concentration once the student is admitted to the Graduate Division. Those students who are also working toward qualifying for teaching certificates will be assigned an adviser in the Department of Education in addition to their academic adviser.

### **ADMISSION TO CANDIDACY**

Admission to Candidacy is a separate step from admission to the graduate program, and requires separate approval by the Graduate Council. To become a candidate for a degree, a student must have completed at least six semester hours at Valparaiso University with a standing of at least 1.8 (B=2.00). Application for Candidacy should be filed before the student has completed half of his graduate work. The student must file a tentative program of study which has been approved by his academic adviser. Forms for this purpose are available through the office of the Director of Graduate Division.

### **PROGRAM FOR MASTER OF ARTS IN LIBERAL STUDIES**

The program leading to the degree of Master of Arts in Liberal Studies is broad in scope, offering opportunities for study in several fields. Two basic two-hour courses in The Western Tradition, which are required of all students, provide an integrating core. Also, the student is required to present ten hours of work in one subject matter field other than education. The remaining hours in the thirty hour program are electives, selected by the student after conference with his adviser(s). A maximum of ten of these elective hours may be in professional education.

In addition, the program provides for the needs of both elementary and secondary classroom teachers who wish to work toward advanced certificates. The student will be able to adjust his program within the field of concentration and the electives so as to strengthen his subject matter competence and, if he desires, to add to his professional training in education.

The M.A.L.S. program provides a particularly challenging opportunity for pastors and other professional workers in the church who wish to strengthen their preparation and secure breadth of background in academic areas.

#### *Requirements For The Degree—Master of Arts in Liberal Studies*

To be eligible for the Master of Arts in Liberal Studies, a student must complete at least thirty semester hours, distributed as follows:

1. A core of 14 semester hours consisting of:
  - A. 10 semester hours in one subject-matter field (other than educa-

tion), 7 semester hours of which must be taken at Valparaiso University, and;

- B. 4 semester hours in the courses entitled The Western Tradition I and The Western Tradition II.
2. 16 semester hours of electives (of which not more than 10 semester hours may be in education).

At least 5 of the 10 semester hours required in the one subject-matter field and at least 15 of the 30 semester hours presented for the degree must be in courses open only to graduate students (numbered 300 or higher). These courses must be taken at Valparaiso University.

### PROGRAM FOR MASTER OF ARTS IN TEACHING

This program, authorized for the first time as of the school year 1968-1969, is for certified elementary teachers. To be eligible for this degree (M.A.T.), students must complete at least 33 semester credits, distributed as follows.

#### *Requirements For The Degree—M. A. T.*

##### *Basic Program for Certified Elementary Teachers*

Internship—Education 202 .....	4 semester credits
Foundations of Education—Education 305, 310, 317, 320, 330, or 335 (Select two) .....	6 semester credits
Methods—Advanced Techniques .....	5 semester credits
a. Education 220 or 327	(3)
b. Education 200, 213, 283, or 284	(2)
Academic Concentration:	
Any two subject matter fields appropriate to Elementary Education with a minimum of nine hours in <i>each</i> field and including two 300-courses in each field .....	
	18 semester credits
Total minimum requirement	= 33 semester credits
Minimum 300 courses	= 15 semester credits

### REGULATIONS OF THE GRADUATE DIVISION FOR THE DEGREES M.A.L.S. AND M.A.T.

No thesis is required, but a term paper is a regular part of graduate courses.

Students must maintain a grade point average of 1.8 (B=2.00) in all graduate work undertaken at Valparaiso University. Graduate credit may be received for A, B, and C grades, *BUT* not more than six semester hours of C work may be counted toward the degree. *ALL* grades received at Valparaiso University are counted in computing a student's grade point average.

Not more than fifteen semester hours of work for graduate credit may

be carried in any one semester, nor more than eight semester hours of credit in any summer session of eight weeks. All work for the master's degree must be completed within a period of five calendar years from the date of the student's initial enrollment in the program.

Not more than six semester credits earned in institutes may be counted toward the degree.

If a student receives a grade of Incomplete in any course, that grade must be removed before the end of the next succeeding semester or it will automatically become an F.

Only in exceptional cases, such as prolonged or serious illness, will the Graduate Council permit a student to withdraw from a course without a grade of F after the end of the eighth week of the semester or after the fourth week of an eight week summer session.

### **INDEPENDENT STUDY**

With the permission of the chairman of the department concerned and of the Graduate Council, a student may earn up to three of the thirty semester hours required for the degree by means of an independent-study project resulting in a paper. No student may apply for permission to undertake an independent-study project until he has satisfactorily completed at least twelve semester hours of his approved Master of Arts program.

A student's first independent-study project will be recorded as course number 390\* (cr. 1-3) of the department concerned. His second will be recorded as course number 391\* (cr. 1-2), and his third as course number 392\* (cr. 1).

No student may register for an independent-study project during the final summer session of his program and no student should expect to start and complete an independent-study project in one summer session.

### **TRANSFER CREDITS**

A maximum of six semester hours of transfer credit from another accredited institution will be accepted for the degree, and no transfer course presented with a grade of less than B will be considered. These credits must have been earned not more than ten years before the student is admitted to the graduate program. All requests for transfer must be in writing and will be evaluated by the Director of the Graduate Division.

### **APPLICATION FOR GRADUATION**

To receive the Degree of Master of Arts from Valparaiso University, a student must make formal application to the Director of Graduate Division within the first week of the term in which he expects to be graduated. He must give evidence that he has fulfilled all requirements for the degree and receive the approval of the Graduate Council. No student who has not made application for candidacy (see page 3) will be eligible for the degree.

\*Grades of S and U are given for these courses in the Department of Biology.



### **CERTIFICATES FOR TEACHING**

To prepare persons for teachers' certificates, Valparaiso University adapts the graduate programs, after reviewing the candidates' prior preparation, to the student's individual needs.

Each candidate for the Indiana Secondary School Certificate, Professional, must earn at least eight semester hours of graduate credit in each subject field he desires to professionalize.

Persons seeking the Indiana General Elementary Certificate, Professional, must devote at least fifty per cent of their work to a combination of courses in education and subject content directly related to elementary school teaching. These courses, nine or ten in education; five or six in related course work, are to be selected with the advice of the education adviser, and are to be approved by him.

All students working toward a teaching certificate should consult the Chairman of the Department of Education, as well as their academic adviser, in planning their programs.

Effective for students entering as of the academic year 1968-1969: graduate students desiring the recommendation of the Department of Education for teacher certification must have completed at least one graduate course in education at Valparaiso University.

### **HONOR SYSTEM**

The student-initiated Honor System, administered by the Honor Council, is recognized and approved by the University as an integral part of the regulations under which a student becomes a member of the University family.

The basis on which the Honor System at Valparaiso University is founded is in every way consistent with the highest principles of Christian ethics and morality and presumes that a student is able and willing to accept the duties and responsibilities for maintaining the principles of honorable conduct for the sake of the University community.

Under the Honor System all written examinations, of any length, are taken in an atmosphere free from the surveillance of a proctor. Each student has the responsibility to keep academic work free of dishonesty and is usually requested to sign a pledge to the effect that no unauthorized aid was given or received. In the unfortunate case of a proven breach of honor, the Honor Council determines and recommends to the President of the University appropriate disciplinary action.

The Honor Council, an educational, preventive, remedial, and judicial body, is composed of students appointed by the President and chosen from a list of students recommended by the Student Senate.

Manifestly, it is impossible for anyone to become a member of the University community without both explicit and implicit adherence to the Honor System.

The faculty reserves the right to abrogate the Honor System at any time.

## FACILITIES

### *The Henry F. Moellering Memorial Library*

The library is air-conditioned and provides comfortable and pleasant surroundings. It is a two story structure with three stack levels; reading space is provided for 500 readers and the stacks contain in excess of 215,000 volumes. The main level consists of two large reading rooms, lobby, circulation desk, catalogue file, lounge, and offices. A new addition of 9,000 sq. ft. has been added to the building. Also located on the main floor are the Sloan Galleries of American Paintings and their extensive collection of works by American artists.

### *University Bookstore*

The University's modern, self-selection bookstore is operated for the convenience of students in the purchase of books, supplies, and other necessary materials for classwork and daily living. Students should purchase textbooks before the second class meeting.

### *Living Accommodations*

In summer sessions, comfortable living accommodations in modern university dormitories on campus are available for graduate students.

The residence halls, with floors reserved especially for graduate students, are within a short walking distance of all classrooms.

Meals may be obtained at the Valparaiso Union located near the residence halls.

Requests for living accommodations must be made in advance of registration—and should be directed to:

The Vice-President for Student Affairs, Housing  
Valparaiso University  
Valparaiso, Indiana 46383

## RECREATIONAL FACILITIES

During the summer, a special social activity is the weekly social hour, attended by students and members of the faculty and the administration. Competitive sports, beach parties, daily swimming in the pool, and impromptu campus gatherings are also arranged under the supervision of the Social Director.

Students interested in physical recreation can drive to nearby Lake Michigan and other lakes, as well as to the Dunes State Park, all within a radius of fifteen miles. Golf courses are located at the edge of Valparaiso.

Valparaiso University is less than fifty miles, or an hour's drive from the city of Chicago and the cultural opportunities offered by the great libraries, museums, art galleries, and concert halls.

**FEES**

Application fee .....\$10.00

This fee is to accompany the application for admission form. It is payable only once, upon initial application. It is not refundable.

Matriculation fee .....\$ 5.00

This fee is payable only once, when the student enrolls in his first course at Valparaiso University.

Graduation fee .....\$10.00

This fee should accompany the application for graduation.

Tuition and dormitory fees are indicated in University bulletins covering summer session, evening offerings, and the regular academic year.

For further information write to

**DIRECTOR OF GRADUATE DIVISION  
VALPARAISO UNIVERSITY  
VALPARAISO, INDIANA 46383**

**COURSES FOR GRADUATE CREDIT**

All courses numbered 200 to 299 are for undergraduate and graduate credit.

All courses numbered 300 and above are open only to those students who have been officially admitted to the Graduate Division.

NOTE: Announcements for specific semesters and for summer sessions will indicate which courses are offered during those periods.

**ART***For Undergraduates and Graduates*

205. MODERN ART. Cr. 3. A study of the plastic and pictorial expressions of Europe and America from the 18th century to the present with particular emphasis on the 20th century development.

**BIOLOGY***For Undergraduates and Graduates*

203. HUMAN ENVIRONMENTAL BIOLOGY. 2+3, Cr. 3. Lectures, conferences, demonstrations, and laboratory work considering man's health and physical needs in relation to his past, current, and future environmental situation. Special emphasis is given to problems associated with the biological nature of man, healthful living, occupational and recreational conditions, environmental pollution, and public health organizations and functions. Prerequisites: completion of lower division natural science requirements and junior standing. Laboratory fee, \$5.00.

205. BIOCHEMISTRY. (Also offered as Biology 205.) 4+0, Cr. 4. The chemistry of proteins, carbohydrates, and fats, and the changes these undergo during processes of digestion and metabolism; stress on physical biochemistry topics and enzyme kinetics. Prerequisites: Chemistry 64 and 71 or equivalent.

209. BACTERIOLOGY. 2+6, Cr. 4. An intensive study of the cell biology of bacteria and their viruses including morphology, cultivation, physiology, environmental factors, and genetics. Prerequisites: Biology 61 and Chemistry 71 or 81, or consent of the chairman of the department. Laboratory fee, \$5.00.

211. GENERAL PHYSIOLOGY. 3+3, Cr. 4. A study of the fundamental physiological activities of animals and plants. The course will consist of lectures, assigned readings, and experimental work in nutrition (including synthesis, oxidation, and energy release of nutrients and elimination of waste products), irritability and response, and growth and reproduction. Prerequisites: Chemistry 71 or 81 (which may be taken concurrently) and Biology 50. Laboratory fee, \$5.00.

217. COMPARATIVE PSYCHOLOGY. (Also offered as Psychology 217.) Cr. 3. The concepts of the science of behavior and the application of the scientific method to the study of animal conduct. This course deals with the development of behavior and intelligence, the receptor control of activity, periodicity in behavior, and higher mental processes in animals. Prerequisites: Biology 50, Psychology 51, and one of the following: Psychology 132, Psychology 135, Psychology 136, Biology 205.

220. CYTOLOGY. 2+3, Cr. 3. An introduction to cell biology from the point of view of molecular biology, with particular reference to composition, structure, function, growth, genetics, and differentiation of cells. Laboratory work in experimental cytology. Prerequisites: Chemistry 71 or 81 (which may be taken concurrently) and Biology 61. Laboratory fee, \$5.00.

225. DEVELOPMENTAL BIOLOGY. 2+3, Cr. 3. An introduction to the descriptive and analytic study of plant and animal development and growth, with emphasis on higher plants and vertebrate animals. Prerequisite: Biology 61. Laboratory fee, \$5.00.

*For Graduates*

\*305. **EVOLUTION: A Critical Study.** 3+0, Cr. 3. A study of the theory of organic evolution, including evidences of evolution, course of evolution, and modern ideas on the mechanisms of evolution. Prerequisite: Genetics or consent of the instructor. Field trip fee, \$5.00.

\***Not offered after the Summer Session of 1970.**

\*350. **SEMINAR IN BIOLOGY.** 1+0, Cr. 1. Reports and discussions by staff members and graduate students on current research in biology. Required of all students presenting more than ten semester credits in biology for their master's degree. Prerequisite: consent of the chairman of the department. Grades of S and U are given for this course.

\***Not offered after the Summer Session of 1970.**

**CHEMISTRY***For Undergraduates and Graduates*

201. **ELEMENTS OF PHYSICAL CHEMISTRY.** 3+3, Cr. 4. A one semester course in physical chemistry covering principles of thermodynamics and kinetics, together with their applications to various chemical and biological systems. Prerequisites: Chemistry 64 and 71 or equivalent. Laboratory fee, \$10.00. Open to graduate students only.

202. **ADVANCED ORGANIC CHEMISTRY.** 1+6, Cr. 3. The lecture is devoted to a discussion of physical organic chemistry with experimental methods illustrated by modern organic analysis. The laboratory is devoted primarily to organic analysis by functional groups and by modern instrumental techniques. Prerequisites: Chemistry 82 and 101 or 111, or consent of the instructor. Laboratory fee, \$10.00.

205. **BIOCHEMISTRY.** 3+0, Cr. 3. The chemistry of proteins, carbohydrates, and fats, and the changes these undergo during processes of digestion and metabolism; brief consideration of enzymes and vitamins. (Concurrent laboratory study may be undertaken as Chemistry 195.) Prerequisites: Chemistry 64 and 71 or equivalent.

210. **ADVANCED INORGANIC CHEMISTRY.** 3+0, Cr. 3. A systematic study of the elements and their compounds from the standpoint of the periodic law. Special theoretical topics in inorganic chemistry are discussed. Prerequisite: three years of chemistry.

**ECONOMICS***For Undergraduates and Graduates*

275. **ECONOMIC HISTORY OF THE UNITED STATES.** Cr. 3. The history of the economic development of the United States from the colonial period to the present. Prerequisite: consent of the instructor.

281. **INTERMEDIATE MICRO-ECONOMIC THEORY.** Cr. 3. A study of the theoretical concepts and analytical techniques which economists employ to interpret the process of resource allocation under various systems of economic organization. Prerequisite: Economics 72.

282. **INTERMEDIATE MACRO-ECONOMIC THEORY.** Cr. 3. A critical examination of theories of national income determination and of techniques for measuring and analyzing aggregate economic activity. Prerequisite: Economics 72.

286. **HISTORY OF ECONOMIC THOUGHT.** Cr. 3. Economic thought in its historical development from the Mercantilists to the present day. Prerequisite: consent of the instructor.

**EDUCATION***For Undergraduates and Graduates*

200. **MATHEMATICS IN THE ELEMENTARY SCHOOL.** Cr. 2. Psychological and instructional aspects of arithmetic, elementary algebra, and geometry, including new methods of teaching based on recent scientific studies; diagnostic and cor-

rective measures. Prerequisites: Mathematics 43 or 204 or 243, or a basic course in the updated mathematics, and consent of the instructor.

201. AUDIO-VISUAL EDUCATION. 1+2, Cr. 2. This course is a study of the principles and techniques underlying auditory and visual aids to classroom teaching and offers laboratory experience in their uses. Prerequisite: consent of the instructor.

202. SUPERVISED INTERNSHIP AND SEMINAR. Cr. 4. An advanced program of practicum internship consisting of observation-participation, demonstration, research, and seminar in elementary teaching. This course is specifically designed for students enrolled in the MAT-Elementary program. A weekly seminar extending over a period of one semester is included as a part of the course. Fee \$50.00.

205. EDUCATIONAL MEASUREMENT. Cr. 3. A course dealing with the history and theory of measurement, statistical analysis and interpretation of measurement data, and testing in relation to pupil achievement and guidance.

210. THE ELEMENTARY CURRICULUM. Cr. 3. A study of the composition of today's elementary curriculum, the factors which affect its development, the principles governing curriculum organization, and current curricular patterns.

212. THE TEACHING OF READING. 1+2, Cr. 2. An introductory course in the teaching of reading including a study of the nature of the reading process, the reading curriculum, and principles, methods, and materials used for the development of effective reading.

213. SCIENCE IN THE ELEMENTARY SCHOOL. 1+2, Cr. 2. Analysis of curriculum and instruction in elementary science; methods of presentation, problems, trends, research findings, and instructional resources. Demonstrations and appropriate experiments for elementary schools. Laboratory work is required. Prerequisites: 12 hours in science and consent of the instructor.

214. TEACHING THE SOCIAL SCIENCES IN THE SECONDARY SCHOOL. Cr. 2. A course designed to organize selected materials from the social sciences into teachable content at the junior-senior high school level. An analysis of objectives, curriculum patterns, methods of transmission, materials of instruction as means of the kind of effective learning necessary for the student to compete successfully in our modern technological society is attempted.

215. THE JUNIOR HIGH SCHOOL. Cr. 2. The role of the junior high school will be explored. Particular attention will be given to a critical analysis of current practice in the nature, purpose, organization, administration, and supervision of the junior high school. Prerequisite: Education 190 or the equivalent.

216. PSYCHOLOGICAL FOUNDATIONS OF EDUCATION. Cr. 4. Contemporary approach to the study of human behavior with reference to child and adolescent growth and development, learning, motivation, emotions, and personality. (Not open to students who have had Educational Psychology.)

220. FOUNDATIONS OF READING. Cr. 3. A course designed to review basic and current accepted practices in teaching reading. Problems concerned with the teaching of reading, remedial reading, and guiding the reading of gifted children will be included. Prerequisite: basic course in the teaching of reading.

226. SEMINAR IN CURRICULUM PROBLEMS. Cr. 2. The seminar will study in depth selected problems in one area of the curriculum of the elementary or secondary school. The curriculum area selected for study will be determined on the basis of interests represented by those taking the course: Prerequisite: consent of the instructor.

240. EDUCATIONAL GUIDANCE AND COUNSELING. Cr. 3. A course dealing with the nature, functions, and organization of student personnel programs in elementary and secondary schools with counseling and guidance services the central feature. Prerequisite: Education 205 or its equivalent.

283. TEACHING OF LANGUAGE ARTS. Cr. 2. An advanced study of the elementary school language arts curriculum considering content and skill requirements as evidenced in present practice and current theory.

284. TEACHING OF SOCIAL STUDIES. Cr. 2. An advanced study of the scope and sequence of curriculum making in elementary school social studies including instructional resources, methods, trends, and problems as viewed by practice, theory, and research.

*For Graduates*

305. PHILOSOPHICAL FOUNDATIONS OF EDUCATION. Cr. 3. A course in educational thought designed to explore systems of thought with emphasis upon educational philosophic patterns, their influence upon the implications for practice and theory in education.

310. ADVANCED EDUCATIONAL PSYCHOLOGY. Cr. 3. Basic study of psychological concepts and phenomena as related to the teaching-learning situation. Emphasis on the interpretation and analysis of psychological research concerning human behavior and development. Designed particularly for experienced teachers. Prerequisite: 15 hours in Education or consent of the instructor.

317. RESEARCH IN EDUCATION. Cr. 3. A course designed to develop skill in reading, interpreting, and evaluating research in education. Students are required to review research in a specific area of education and to design a research study in one area of interest to them. Prerequisite: 15 hours in Education or consent of the instructor.

320. HISTORICAL FOUNDATION OF EDUCATION. Cr. 3. The history of American education in its cultural framework. Special attention will be given the reform movements of the last four decades.

323. RESEARCH IN READING. Cr. 3. A view of basic research in reading as applied to principles of learning, instructional processes, and curricular organization. Prerequisites: beginning course in the teaching of reading and a course in statistics.

327. REMEDIAL READING. Cr. 3. A course designed to develop the concept of remedial and corrective reading, skills in diagnosis of reading difficulties, and appropriate remedial techniques and procedures and the production and evaluation of instructional materials. Prerequisite: beginning course in teaching of reading.

328. THE SUPERVISION OF STUDENT TEACHING. Cr. 3. A course dealing with the problems of supervising student teaching at the elementary and secondary levels. The historical development of student teaching, current student-teaching programs, and the problems related to the supervision of student teachers in the classroom and the school will be studied. Prerequisites: teaching experience and consent of the instructor.

329. CLINICAL PRACTICUM IN READING. Cr. 3. Guided experience in clinical diagnosis; practice in dealing with specific procedures for the correction of various types of reading disabilities. Prerequisite: Education 327 or the equivalent.

330. SEMINAR IN EDUCATIONAL RESEARCH. Cr. 3. Analysis of procedure and methods of research in education. Emphasis on student-initiated investigation into a selected educational field. Prerequisite: consent of the instructor.

335. CURRENT EDUCATIONAL THOUGHT. Cr. 3. A course designed to familiarize the student with current problems and innovations in the field of education. Extensive reading and discussion of selected essays, articles, and books dealing with issues in education are required. Prerequisite: consent of the instructor.

**ENGLISH**

*For Undergraduates and Graduates*

201. LITERATURE FOR ADOLESCENTS. Cr. 3. A study of literature written for high-school and junior high-school students. This course is designed especially for present and prospective teachers in secondary schools. This course may be counted toward a teaching major or minor in English, but not toward an undergraduate academic major or minor.

205. EIGHTEENTH CENTURY LITERATURE. Cr. 3. A study of literature of the Age of Pope and the Age of Johnson other than that of the drama and the novel.
210. SHAKESPEARE. Cr. 3. A careful study of about eight of the most important plays, with more rapid reading of others.
215. MILTON. Cr. 3. Some of the major writings of Milton, both poetry and prose, will be studied in relation to the religious, moral, and political issues of seventeenth-century England.
217. MODERN DRAMA. Cr. 3. A study of approximately a dozen plays typical of the various phases of the development of British and American drama since the beginning of the Romantic Movement.
218. MODERN FICTION. Cr. 3. A study of representative works of the most important British and American novelists of the twentieth century.
219. TWENTIETH CENTURY POETRY. Cr. 3. Lectures and readings covering some forerunners of the modern schools and the most characteristic works of a number of important contemporary American and British poets.
225. CHAUCER. Cr. 3. This course aims to give the student an understanding and appreciation of some of the major works of Chaucer.

*For Graduates*

303. BOOKS FOR CHILDREN. Cr. 3. Reviews, analyses, and evaluations of works in the field of literature for children and a study of criteria for selecting books for school use.
305. ANALYSIS AND CRITICISM. Cr. 2. A course designed to teach the methods of analysis of intellectual works (literary criticism, philosophy, satire, biography, history, argument, and rhetoric) and the methods of criticism of imaginative works (plays, fiction, and poems) which will be required in other graduate-level courses. Works of every major genre will be analyzed and criticized in class according to principles accepted in the various schools of criticism.
307. THE STRUCTURE OF MODERN ENGLISH. Cr. 3. An analysis of the structure of the spoken and written English of today.
310. WORDSWORTH AND COLERIDGE. Cr. 3. A study of the major works of Wordsworth and Coleridge with special emphasis upon their theories and practices and upon the heritage of their critical theory.
311. TENNYSON AND BROWNING. Cr. 3. A study of the more important poems of Tennyson and Browning.
315. SHAKESPEAREAN TRAGEDY. Cr. 3. An intensive study of the five great tragedies of Shakespeare: *Hamlet*, *Othello*, *King Lear*, *Macbeth*, and *Antony and Cleopatra*.
317. POETRY OF THE RENAISSANCE. Cr. 3. An intensive study of selected works of three outstanding poets of the English Renaissance: Edmund Spenser, John Donne, and Ben Jonson.
320. MELVILLE, WHITMAN, AND TWAIN. Cr. 3. As a projection in breadth and depth beyond the survey courses in American literature, intensive textual study of these authors will not only examine carefully the new directions in especially mid-nineteenth-century America, but also analyze important literary contributions to our cultural development.
325. THE WESTERN TRADITION I. (Also offered as History 325.) Cr. 2. A study of some of the important aspects of the heritage that has come down to us from the ancient Greek, Roman, and Judeo-Christian cultures. This course will be devoted, for the most part, to a close reading of important selected texts.
326. THE WESTERN TRADITION II. (Also offered as History 326.) Cr. 2. A study of some of the more important aspects of the heritage that has come down to us from the Middle Ages, the Renaissance, and the Reformation. This course will be devoted, for the most part, to a close reading of important selected texts.



**FOREIGN LANGUAGES***For Undergraduates and Graduates*

205. TWENTIETH-CENTURY GERMAN LITERATURE. Cr. 3. Prerequisite: 18 semester credit hours of college German.

205. SPANISH DRAMA OF THE GOLDEN AGE. Cr. 3. A study of the Spanish drama in the Golden Age with emphasis on the works of Lope de Vega and Calderon de La Barca. Conducted entirely in Spanish. Prerequisites: Spanish 113, and 121 or 122, or equivalents, and consent of the instructor.

206. SEMINAR IN FRENCH LITERATURE. Cr. 3. Intensive study of French literary topics of a specialized nature. This course may be repeated without duplication of material. (Given upon sufficient demand.) Prerequisite: Consent of instructor.

**GEOGRAPHY***For Undergraduates and Graduates*

205. HISTORICAL GEOGRAPHY OF THE UNITED STATES. Cr. 2. A regional treatment of the exploration, colonization, territorial expansion, migration, transportation, settlement, and economic development of our country, integrated in relation to the physical framework of the environment in which and with which American regional patterns of culture have come to be established. The course is primarily designed for students majoring in one or another of the social sciences. Prerequisites: 10 credit hours in geography, or 6 hours in geography and 6 hours in history, government, economics, or sociology, or consent of the instructor.

210. THE GEOGRAPHY OF WORLD AFFAIRS. Cr. 2. A workshop course to develop the technique of interpreting current world events in the geographic framework in which such events occur. From newspapers and periodicals students clip articles for critical review and rewrite them in the form of "chorograms." Prerequisites: 10 credit hours in geography, or 6 hours in geography and 6 hours in history, government, economics, or sociology, or consent of the instructor.

215. AREA FIELD STUDY. 0+4, Cr. 2. A laboratory and field course designed to give insight into the nature and purpose of geographic field work. It includes such topics as mapping techniques, physical and cultural pattern analysis, rural and urban functions, and an intensive study of a selected area. Prerequisite: consent of the instructor.

*For Graduates*

305. GEOGRAPHIC THOUGHT. Cr. 3. A conceptual approach to the content and contributions of geography in general education and in world society. Geographic facts and ideas are developed under the following categories: nature and scope of geographic thought; comparative Western and non-Western cultures, differentiated in space and time; the geographic facts and ways of life; procedures and methods of identifying geographic investigation of human phenomenology; the Christian ethic of earth stewardship; geography as planning aforethought; teacher preparation in the earth sciences, including application of geographic understanding of world problems in specifically assigned projects. Prerequisite: consent of the instructor.

310. WESTERN CULTURAL GEOGRAPHY. Cr. 3. An environmental appraisal of the European-American regional patterns of culture which are essential to the understanding of Western man. Prerequisite: consent of the instructor.

315. NON-WESTERN CULTURAL GEOGRAPHY. Cr. 3. An environmental appraisal of the cultural regional patterns of Asia and Africa. Prerequisite: consent of the instructor.

320. AMERICAN RESOURCES. Cr. 3. A study of the development of thought with respect to the nature and function of natural resources of the United States in the context of prevailing physical and cultural conditions. It is based on an intensive review of the literature with special attention given to those books and documents that have played a vital role in shaping American thinking with respect to resource use. Prerequisite: consent of the instructor.

**GOVERNMENT***For Undergraduates and Graduates*

203. PROBLEMS OF STATE AND LOCAL GOVERNMENTS. Cr. 3. A study in depth of several important contemporary problems on the state or municipal levels in the United States. Given in cooperation with the Community Research Center. Prerequisite: Government 2 or consent of the instructor.
205. AMERICAN POLITICAL PARTIES. Cr. 3. An intensive study of the origin, history, composition, policies, functions, and activities of political parties in the United States, including the evolution and operation of the party system. Prerequisite: Government 1 or consent of the instructor.
206. THE CONSTITUTION OF THE UNITED STATES. Cr. 3. An examination of great constitutional issues, decided and undecided, in the light of the contemporary interpretation of the Constitution. Prerequisite: Government 1 or consent of the instructor.
207. CHURCH AND STATE. Cr. 2. An examination into some of the ramifications of church-state relationships in the United States. Prerequisite: senior standing or consent of the head of the department.
209. BASIC POLITICAL ISSUES. Cr. 2. A course devoted to a detailed examination and consideration from many angles of a specific fundamental political problem. Copious required readings. Discussions conducted by members of the class. Prerequisite: approval of the head of the department.
210. RECENT POLITICAL THOUGHT. Cr. 3. A survey, beginning with Hegel, of the major attempts to confront the crisis of political order in the contemporary world. Prerequisites: Government 53 and 54 or consent of the head of the department.
213. SOVIET COMMUNISM. Cr. 2. A detailed study of Marxism as modified and practiced in the U.S.S.R. and in other communist states. Prerequisites: Government 53 and 54 or consent of the instructor.
230. INTERNATIONAL LAW. Cr. 3. The nature, origin, and development of law among the states of the world. Leading principles illustrated with cases. Prerequisite: senior standing. (Given in alternate years.)

*For Graduates*

305. THE LEGISLATIVE PROCESS. Cr. 2. A detailed study of the legislative machinery set up in the Constitution of the United States for determining and declaring the will of the people as the machinery functions within the political party system. Prerequisite: Government 1 or consent of the instructor.
312. PROBLEMS OF AMERICAN FOREIGN POLICY. Cr. 3. Specific contemporary problems of American foreign relations are considered in detail from various angles.
320. SEMINAR IN GOVERNMENT. Cr. 3. Individual reports in specific areas of the discipline presented for class discussion and evaluation.

**HISTORY***For Undergraduates and Graduates*

211. THE EMERGENCE OF MODERN EUROPE. Cr. 3. A study of the political and social-economic conditions of Europe during the 14th and 15th centuries with special emphasis on the development of the modern concept of the state and the emergence of the great powers which were to dominate future European politics. Prerequisite: consent of the instructor. (Given in alternate years.)
221. EUROPE, 1815-1871. Cr. 3. A study of Europe from the close of the Napoleonic Wars to the end of the Franco-Prussian War. Prerequisites: History 1 and 2 or consent of the instructor.
222. EUROPE, 1871-1918. Cr. 3. A study of Europe from the conclusion of the Franco-Prussian War to the end of World War I. Prerequisites: History 1 and 2 or consent of the instructor. (Given in alternate years.)

223. EUROPE SINCE 1918. Cr. 3. A study of European history from the end of World War I to the present. Prerequisites: History 1 and 2 or consent of the instructor.
227. EUROPEAN INTELLECTUAL HISTORY, 1890-1930. Cr. 3. A study of modern European thought through examination of significant thinkers and movements. Prerequisites: History 1 and 2 or consent of the instructor. (Given in alternate years.)
235. THE UNITED STATES FROM 1815-1860. Cr. 3. A study of the major problems that beset the American people from the close of the War of 1812 to the secession movement of 1860-61. Prerequisites: History 35 and 36 or consent of the instructor.
240. TWENTIETH CENTURY AMERICA I. Cr. 3. An intensive study of the history of the United States from 1900 to 1932. Prerequisites: History 35 and 36 or consent of the instructor.
241. TWENTIETH CENTURY AMERICA II. Cr. 3. A study of the history of the United States from 1932 to the present. Prerequisites: History 35 and 36 or consent of the instructor.
245. DIPLOMATIC HISTORY OF THE UNITED STATES I. Cr. 3. A study of the foreign relations of the United States from the American Revolution to the Spanish-American War. Prerequisites: History 35 and 36 or consent of the instructor. (Given in alternate years.)
246. DIPLOMATIC HISTORY OF THE UNITED STATES II. Cr. 3. A study of the foreign relations of the United States from the Spanish-American War to the present. Prerequisites: History 35 and 36 or consent of the instructor. (Given in alternate years.)
259. HISTORY OF AMERICAN THOUGHT. Cr. 3. An introduction to America's intellectual history from the 17th century to the present through a study of some of the significant thinkers and movements. Prerequisites: History 35 and 36 or consent of the instructor.

*For Graduates*

304. PROBLEMS IN EUROPEAN DIPLOMATIC HISTORY. Cr. 3. This course will be presented as a seminar treating the major developments in European diplomatic history in the world setting of the nineteenth and twentieth centuries.
306. STUDIES IN STUART ENGLAND. Cr. 3. Through readings, discussions, and reports, this course will concentrate on the religious, political, economic, and social problems which led a country with a long tradition of constitutional development down the thorny road of civil war and regicide, into unknown paths of political experiment, to an uneasy Restoration, and, a generation later, to a glorious Revolution which finally resolved the basic problem of sovereignty. Prerequisite: a course in English history or consent of the instructor.
317. THE EVE OF THE REFORMATION. Cr. 3. A study of the background of the Protestant Reformation. Attention will be focused on the economic, social political, and intellectual changes which gave rise to the religious, theological, and ecclesiastic reform movements of the sixteenth century.
325. THE WESTERN TRADITION I. (Also offered as English 325.) Cr. 2. A study of some of the important aspects of the heritage that has come down to us from the ancient Greek, Roman, and Judeo-Christian cultures. This course will be devoted, for the most part, to a close reading of important selected texts.
326. THE WESTERN TRADITION II. (Also offered as English 326.) Cr. 2. A study of some of the more important aspects of the heritage that has come down to us from the Middle Ages, the Renaissance, and the Reformation. This course will be devoted, for the most part, to a close reading of important selected texts.
335. STUDIES IN UNITED STATES HISTORY. Cr. 3. An intensive study of a significant period or movement in U.S. History. Prerequisite: six semester credits in U.S. history or consent of the instructor.

344. **POST-WAR AMERICA, 1865-1900.** Cr. 3. An analysis of selected problems in the development of the United States from the end of the Civil War to the turn of the twentieth century. Attention will be centered upon the Negro in the new South, the urban-industrial transformation of the North, agrarian protest and revolt, and the disappearance of the last Western frontier.

356. **LATIN AMERICA IN THE TWENTIETH CENTURY.** Cr. 3. A study of the Latin American peoples since 1900, their internal problems, policies, and foreign relations. Attention will be centered upon Mexico and the Caribbean, where contact with the United States has been of greatest importance. Prerequisite: consent of the instructor.

380. **THE INTERPRETATION OF HISTORY.** Cr. 3. The role of interpretation in the study of history with emphasis on major trends and types of historical thought in western culture.

## MATHEMATICS

### *For Undergraduates and Graduates*

205. **ELEMENTS OF PROBABILITY AND STATISTICS.** Cr. 3. An introduction to descriptive statistics, elementary probability, and to some important classical probability distributions, including their application to statistical inference. Prerequisite: Mathematics 76 or its equivalent.

207. **MATHEMATICAL STATISTICS I.** Cr. 3. An introduction to probability spaces, random variables, distribution functions, the law of large numbers and the central limit theorem. The application of this theory to statistical inference, including estimation, hypotheses testing, and simple regression problems. Prerequisite: Mathematics 78 or the equivalent. (Not open to students who have taken Mathematics 205.)

208. **MATHEMATICAL STATISTICS II.** Cr. 3. A continuation of Mathematics 207. New topics include decision theory, analysis of variance, sequential sampling, and nonparametric methods. Prerequisite: Mathematics 207 or the equivalent.

210. **ELEMENTS OF MODERN ALGEBRA I.** Cr. 3. This course provides an introduction to modern abstract algebra. Topics from abstract algebra, including groups, rings, and fields. Prerequisites: Mathematics 78 or the equivalent and the consent of the department. (Offered upon sufficient demand.)

211. **ELEMENTS OF MODERN ALGEBRA II.** Cr. 3. Continuation of 210. Particular attention is given to the theory of matrices; matrix transformations, and the theory of vector spaces. Prerequisite: Mathematics 210. (Offered upon sufficient demand. Not open to students who have taken Mathematics 111.)

216. **TOPOLOGICAL STRUCTURES.** Cr. 3. An introduction to the vocabulary, techniques, and objects of axiomatic topology. Topics may include: induced topologies, including metric, quotient, and product topologies; properties of topologies including separation, connectivity, and various forms of compactness; and specific examples of topological spaces. Prerequisites: consent of the department and Mathematics 110 (or 210) and 220 (or 175) or the mathematical equivalent. (Offered upon sufficient demand.)

220. **MATHEMATICAL ANALYSIS.** Cr. 3. Set nomenclature and set algebra. Real number system as an extension of other number systems. Sentences and equations. Identities, relations, functions, and graphs. Point sets and sequences. Geometric and arithmetic progressions. Limits. Derivatives and integrals. Prerequisite: a year course in calculus.

243. **STRUCTURES OF NUMBER SYSTEMS.** Cr. 3. Vocabulary and symbolism of sets. Language and nature of deductive reasoning. Number theory and numeration systems. Number systems and their properties. Modular number systems

and groups. Postulational method and a search for structure. This course is intended for teachers in the elementary schools. Not open to students who have had a year of calculus.

244. FUNDAMENTALS OF GEOMETRY. Cr. 3. Informal and non-metric geometry of sets of points. Geometric figures in the plane and space. Development of precise language, the nature of proof, and structure as exemplified in geometry. This course is intended for teachers in elementary schools. Not open to students who have had a year of calculus. Prerequisite: Mathematics 243 or the equivalent.

## MUSIC

### *For Undergraduates and Graduates*

200. APPLIED MUSIC. Cr. 2. Private instruction in a performing medium for which the student does not have the necessary training and ability to qualify for 300-level instruction, but in which he has sufficient background to make graduate-level study profitable. All categories of applied music are offered at the 200-level. Not open to undergraduates except by special invitation. Prerequisite: Approval of the chairman of the department.

201. PROSEMINAR IN MUSIC. Cr. 2 or 3. An intensive study of a limited area in the history or theory of music. This course may be repeated for credit. Prerequisite: Music 104.

203. PROSEMINAR IN THE PEDAGOGY OF MUSIC. Cr. 2. A consideration of the problems of teaching basic musicianship at all levels. Special attention will be given to the adapting of basic principles to the media of most interest to the members of the proseminar. Prerequisite: Consent of the chairman of the department. (Offered in 1970-1971 and in alternate years thereafter.)

205. INSTRUMENTAL CONDUCTING. Cr. 2. A study of instrumental scores, conducting techniques, and materials. Prerequisite: Music 163.

207. ADVANCED CHORAL CONDUCTING. Cr. 2. A course for school musicians and professional church musicians dealing with advanced problems in choral conducting. Prerequisite: Music 164 or equivalent.

208. ADVANCED CHORAL CONDUCTING. Cr. 2. A continuation of Music 207. Prerequisite: Music 207.

235. MUSIC THEORY. Cr. 3. A continuation of Music 64 with special emphasis on non-baroque contrapuntal techniques. Prerequisite: Music 64 or the equivalent.

236. MUSIC THEORY. Cr. 3. A continuation of Music 235 with special emphasis on contemporary techniques. Prerequisite: Music 235 or consent of the instructor.

241. ADVANCED KEYBOARD HARMONY AND IMPROVISATION. Cr. 2. Practical keyboard work including harmonization of melodies, realization of figured basses, transposition, modulation, and improvisation. Open only to organ and piano majors with at least junior standing.

242. ADVANCED KEYBOARD HARMONY AND IMPROVISATION. Cr. 2. A continuation of Music 241. Prerequisite: Music 241.

271. HYMNOLOGY. Cr. 2. A study of the Christian hymn from its earliest sources to the present day. Prerequisite: consent of the chairman of the department.

274. HISTORY OF CHURCH MUSIC. Cr. 2. A study of the development of church music from the earliest history of the Church in the Old Testament to the present, with special emphasis on the period from Luther to Bach. Prerequisite: consent of the chairman of the department.

### *For Graduates*

300. APPLIED MUSIC. Cr. 2 or 3. Private instruction in the student's principal performing medium. Organ, piano, harpsichord, voice, and clarinet at the 300-level for students holding a Bachelor of Music degree with major in the given instrument or having the equivalent level of performing ability. Prerequisite: approval of the chairman of the department.

308. SEMINAR IN MUSIC HISTORY. Cr. 3. A study in depth of a specific period or problem in the history of music. Topics covered will change from semester to semester. This course may be repeated for credit. Prerequisite: Music 104.

## PHILOSOPHY

### *For Undergraduates and Graduates*

205. PHILOSOPHICAL PROBLEMS: RELIGION. Cr. 3. An approach through the great philosophies to the problem of religion, and the implications of this problem for several of the arts or sciences.

210. PHILOSOPHY OF THE SOCIAL SCIENCES. Cr. 3. An approach through the great philosophies to the social sciences and the implications of these sciences for several philosophical problems.

### *For Graduates*

305. CONTEMPORARY PHILOSOPHY. Cr. 3. An introduction to major problem areas and schools of thought in contemporary philosophy. The careful reading and discussion of significant philosophical texts is emphasized.

## PHYSICS

### *For Undergraduates and Graduates*

207. INTRODUCTION TO QUANTUM MECHANICS. 3+0, Cr. 3. The fundamental concepts of quantum mechanics are examined with applications to atomic, nuclear, and solid state physics. Topics include the Schroedinger equation, perturbation theory, the hydrogen atom, angular momentum and electron spin, identical particles, multielectron atoms, and collision theory. Prerequisites: Physics 73, 173, and Mathematics 180 or consent of the instructor. (Mathematics 180 may be taken concurrently.)

208. INTRODUCTION TO QUANTUM MECHANICS. 3+0, Cr. 3. A continuation of Physics 207. Prerequisite: Physics 207.

210. THEORETICAL PHYSICS. 2+0, Cr. 2. The LaGrange formalism, the LaPlace equation, Maxwell's equations, the wave equation, boundary value problems, applications to physics will be studied together with problems in mathematical physics depending upon the current interests of the students. Prerequisites: Physics 173 and 174, Mathematics 78.

211. THEORETICAL PHYSICS. 2+0, Cr. 2. A continuation of Physics 210. Prerequisite: Physics 210.

## PSYCHOLOGY

### *For Undergraduates and Graduates*

201. PSYCHOLOGY OF CHILDHOOD. Cr. 3. A course which gives the student an understanding of the development and behavior of the child, with emphasis given to analysis of related research. Prerequisite: 6 hours of psychology.

203. STATISTICAL METHODS FOR THE BEHAVIORAL SCIENCES. Cr. 3. Techniques of treating data from experiments and surveys, including data distributions, sampling, correlation, regression, and hypothesis testing. Examples are drawn from several behavioral sciences. Prerequisite: 6 hours of psychology. (Not open to students who have taken Psychology 131 or its equivalent.)

204. PSYCHOLOGICAL MEASUREMENT AND EVALUATION. Cr. 3. Principles and methods of psychological measurement and evaluation, statistical analysis and interpretation of measurement data, with applications to the administration and interpretation of various ability and aptitude tests. Interested students may elect to deal with problems of ability and aptitude measurement in a specific area. Prerequisite: Psychology 131 or 203.

208. **THE EXCEPTIONAL CHILD.** Cr. 3. A course designed to help the student understand the impact of various physical and mental handicaps on the child's life. Emphasis will be given to the child's personal, social, and intellectual development and to the effect that these have on the learning process. Prerequisite: Psychology 201.

210. **METHODS OF CLINICAL PSYCHOLOGY.** 2+2, Cr. 3. A study of the techniques of diagnosis and therapy employed in the clinical setting. Supervised practice in testing. Prerequisite: Psychology 155 or consent of the chairman of the department.

215. **LEARNING AND MOTIVATION.** Cr. 3. A study of the principles, techniques, and variables observed in the learning and motivational behavior of various organisms. Prerequisite: 6 hours of psychology.

217. **COMPARATIVE PSYCHOLOGY.** (Also offered as Biology 217.) Cr. 3. The concepts of the science of behavior and the application of the scientific method to the study of animal conduct. This course deals with the development of behavior and intelligence, the receptor control of activity, periodicity in behavior, and higher mental processes in animals. Prerequisites: Introductory Psychology and Zoology and one of the following courses: Psychology 132, 135, 136, Biology 205.

#### *For Graduates*

303. **COGNITIVE PROCESSES.** Cr. 3. Analysis of various cognitive processes, such as concept formation, reasoning, problem solving, creativity, and language. Prerequisite: 6 hours of psychology.

310. **PRINCIPLES OF PSYCHOTHERAPY.** Cr. 3. Representative theoretical approaches to the process of personality change and to the techniques used in treating neurotic and psychopathic disturbances. Prerequisite: 3 hours in psychology at the graduate level.

315. **PROBLEMS IN PERSONALITY THEORY.** Cr. 3. A treatment of the theoretical systems of personality, current approaches to the assessment of human motives, and the behavioral consequences of specific motives in the individual and society. Prerequisite: 3 graduate hours in Psychology.

## **SOCIOLOGY**

#### *For Undergraduates and Graduates*

201. **HISTORY OF SOCIAL THOUGHT.** Cr. 3. A study of the emergence and historical development of social thought and of sociology as a discipline with emphasis upon modern sociological theory. Various American and European schools of thought are analyzed and critically appraised. Required of junior majors. Prerequisite: Sociology 53 or consent of the head of the department.

202. **CONTEMPORARY SOCIOLOGICAL THEORY.** Cr. 3. Theoretical contributions of major methodological and theoretical orientations. Discussion of current theories of interaction, conflict, change, and structural-functional analysis. Required of junior majors. Prerequisite: Sociology 53 or consent of the head of the department.

203. **SOCIAL RESEARCH.** Cr. 3. Problems of designing studies of human behavior, collecting and analyzing data, and interpreting results. Includes the formulation of hypotheses, developing theoretical models, experimental design, sampling techniques, scaling, and manipulation of social variables. Required of junior majors. Prerequisite: Sociology 53 or consent of the head of the department.

204. **CRIMINOLOGY.** Cr. 3. An analysis of crime in contemporary society with an emphasis upon theories of causation, enforcement, adjudication, institutionalization of offenders, and trends in correctional treatment. Prerequisite: Sociology 53 or consent of the head of the department.

207. **SOCIOLOGY OF RELIGION.** (Also offered as Religion 207.) Cr. 3. Social science methods applied to the analysis of the function and structure of religion, theories concerning the social implications of religion, interrelationships between religious groups and communities, effects upon culture, typology of religious groups, and current problems facing religious institutions. Prerequisite: Sociology 53 or consent of the instructor.

212. **ETHNIC MINORITIES.** Cr. 3. A specialized study of social organization in which dominant-minority relationships are analyzed theoretically and historically. Emphasis upon the nature of social and cultural interaction, the consequences of interaction for dominant-minority groups and the social system, together with the dynamics of assimilation and change. Prerequisite: Sociology 53 or consent of the head of the department.

220. **SOCIAL COLLECTIVITIES.** Each sem. Cr. 3. A study of the theoretical and methodological dimensions of social collectivities such as small groups, formal organizations, or collective behavior. Prerequisite: Sociology 53 or the consent of the head of the department.

230. **SOCIETAL STRUCTURES.** Each sem. Cr. 3. An investigation of selected sociological phenomena in relationship to current social theory and research. Topics may include socialization, social stratification, mass communications, population analysis, urban sociology, or social change. Prerequisite: Sociology 53 or the consent of the head of the department.

240. **SOCIAL INSTITUTIONS.** Each sem. Cr. 3. An examination of the various aspects of selected social institutions in the light of the multiple variables of sociological analysis. Topics may include political sociology, or the sociology of medicine, of occupations, of law or of knowledge. Prerequisite: Sociology 53 or the consent of the head of the department.

#### *For Graduates*

301. **SEMINAR IN THE FAMILY.** Cr. 3. Analysis of the development of current theory and the nature of contemporary research problems on the family. Prerequisite: consent of the instructor.

302. **SEMINAR IN CRIMINOLOGY AND PENOLOGY.** Cr. 3. Critical review of current theory, practice, and research in criminology and penology. Prerequisite: consent of the instructor.

310. **SEMINAR IN SOCIOLOGY.** Cr. 3. An investigation of selected problems and concepts within sociology from the standpoint of sociological theory and current research. Topics may include religious systems and institutions, contemporary educational systems and structures, social systems and social change, and ethnic systems and structures.

### **SPEECH AND DRAMA**

#### *For Undergraduates and Graduates*

204. **THE CONTEMPORARY THEATRE AND ITS LITERATURE.** Cr. 3. The main currents in dramatic art and literature since Ibsen as seen against the background of social, artistic, and intellectual movements of the past one hundred years and as illustrated in representative plays. Prerequisites: English 51 and 52.

205. **THE AMERICAN THEATRE AND ITS LITERATURE.** Cr. 3. A history of the American theatre from its beginning to the present. Masterpieces of American dramatic literature are studied in relation to contemporary theatre practices. Prerequisite: consent of the head of the department.

208. **PERSUASION.** Cr. 3. Development of skill in the composition and delivery of various forms of persuasive speeches. Also the development of techniques used in different types of discussion, such as those used in informal committee meetings and in more formal business conferences. Prerequisite: a course in speech.



**THEOLOGY***For Undergraduates and Graduates*

205. CLASSICS OF RELIGIOUS LITERATURE. Cr. 3. A study of Christian devotional classics, such as selections from St. Augustine, *Confessions*; Bernard of Clairvaux, *On Consideration*; Benedict, *Rule*; Thomas a'Kempis, *Imitation of Christ*; Pascal, *Thoughts*; Kierkegaard, *Purity of Heart*.

207. SOCIOLOGY OF RELIGION. (Also offered as Sociology 207.) Cr. 3. Social science methods applied to the analysis of the function and structure of religion, theories concerning the social implications of religion, interrelationships between religious groups and communities, effects upon culture, typology of religious groups, and current problems facing religious institutions. Prerequisite: Sociology 53 or the consent of the instructor.

210. THE BIBLICAL MESSAGE AND MODERN MAN. Cr. 3. A consideration of religious questions raised by the modern mind and an examination of the answers offered by the Biblical message.

*For Graduates*

310. RELIGIOUS THOUGHT IN AMERICAN CULTURE. Cr. 3. An investigation of American religious thought with special emphasis on the historical interaction between religion and American cultural development.

320. SEMINAR IN BIBLICAL STUDIES. Cr. 3. Advanced study of selected areas or issues in biblical studies.

350. THE CHRISTIAN MESSAGE AND EASTERN CULTURES. Cr. 3. A study of the historical and cultural impact of the Christian message on the life of the people of selected Eastern countries.

352. THE CHURCH AND THE SECULAR AGE. Cr. 3. A study of secularism with special emphasis on the theological evaluation of it in the works of contemporary theologians, and an examination of the Church's life and task in response to the challenges of the secular age.

365. THE LUTHERAN LITURGICAL HERITAGE. Cr. 3. A study of the theology and forms of the Lutheran Rite in their historical and religious settings. Special attention is given to the implications of current liturgical renewal for the Lutheran understanding of the Liturgy.

381. BASIC THEOLOGY OF THE REFORMATION. Cr. 3. A study of the historical setting and structural coherence of Reformation theology in terms of its 16th century context and its role in contemporary theological and secular thought.

382. THE DYNAMICS OF MODERN ROMAN CATHOLICISM. Cr. 3. A study of the theology and structure of current Roman Catholicism in relation to the internal development of that communion since Trent.

385. IMAGES OF MAN. Cr. 3. A seminar exploring differing views of man. A selected number of works by significant writers from various disciplines will be studied.







