

1990

University of Southern Maine Course Catalog Summer 1990

University of Southern Maine

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UNIVERSITY
OF SOUTHERN
MAINE
Summer Session

1990



University
of Southern
Maine 



University of Southern Maine

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Produced by USM Office of Publications
Cover Design by Camille Buch

SUMMER SESSION CALENDAR 1990

(Registration continues through the beginning of each session.)

	<u>7-Week Session</u>	<u>4-Week Session</u>	<u>4-Week Session</u>	<u>7-Week Session</u>	<u>6-Week Session</u>	<u>4-Week Session</u>	<u>Variable Session</u>
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>
	<i>May 14- June 29</i>	<i>May 14- June 8</i>	<i>June 11- July 6</i>	<i>July 2- Aug. 17</i>	<i>July 2- Aug. 10</i>	<i>July 16- Aug. 10</i>	<i>Variable Dates</i>
Residence Halls Open (Refer to the Accommodations section of this catalog for more information)	Sun., May 13 2:00 p.m.	Sun., May 13 2:00 p.m.	Sun. June 10 2:00 p.m.	Sun., July 1 2:00 p.m.	Sun., July 1 2:00 p.m.	Sun., July 15 2:00 p.m.	Arranged
First Day of Classes	Mon., May 14	Mon. May 14	Mon., June 11	Mon., July 2	Mon., July 2	Mon., July 16	Variable
Last Day to ADD or Change Credit or Grade Options*	*As a general rule, students may add classes through the second class meeting						
Last Day to DROP to receive 100% tuition refund	May 11	May 11	June 8	June 29	June 29	July 13	Variable
Last Day to DROP with no grade notation	May 18	May 16	June 13	July 9	July 6	July 18	Variable
Last Day to WITHDRAW With Grade of 'W'	June 8	May 25	June 22	July 26	July 24	July 30	Variable
Session Ends	June 29	June 8	July 6	Aug. 17	Aug. 10	Aug. 10	Variable

Holidays: University Closed

Monday, May 28, Memorial Day

Wednesday, July 4, Independence Day

The dates shown in this calendar are subject to change at any time by official action of the University of Southern Maine.

Registration begins Monday, March 19.

SUMMER HOURS, OFFICES, AND PEOPLE

USM has many offices designed to assist you as you involve yourself in Summer Session. The reference list below highlights a few of the offices frequented during the summer. Most offices on campus are open from 8:00 a.m. to 4:30 p.m. Some offices will have extended hours to accommodate student registration. Please contact the Summer Semester office for more information.

<i>Office</i>	<i>Location</i>	<i>Telephone Number</i>	<i>Contact Person</i>
Advising Centers	122 Payson Smith (Portland) 103 Corthell Hall (Gorham)	780-4040 780-5340	Lawrence Bliss John Farrar
Department of Conferences	68 High Street (Portland)	874-6506	Kathie LeBel
Financial Aid	202 Corthell Hall (Gorham)	780-5250	Melodie Havey
Graduate Education	118 Bailey (Gorham)	780-5306	Jane Andrews
Off-Campus Programs	110 Payson Smith, (Portland)	780-4470	Kathleen Bouchard
Professional Development Center	305 Bailey Hall (Gorham)	780-5315	George Lyons Joyce Martin
Registrar's Office	113 Corthell Hall (Gorham)	780-5230	Diane Hoyt
Residence Life	100 Upton Hall (Gorham)	780-5240	Joseph Austin
Student Billing Office	128 Payson Smith (Portland) 110 Corthell Hall(Gorham)	780-5200 780-5200	Norma Manning Lorraine Brown
Summer Semester	106 Payson Smith (Portland) Gorham Campus (after May 14)	780-4076 780-5264	Rosa Redonnett

*Extended Hours for Registration**

Advising and Academic Information Department	122 Payson Smith	May 14-15 July 2-3	(8:00 a.m.-7:30 p.m.) (8:00 a.m.-7:30 p.m.)
Summer Semester Office	106 Payson Smith	May 14-15 July 2-3	(8:00 a.m.-7:30 p.m.) (8:00 a.m.-7:30 p.m.)
Student Billing Office	128 Payson Smith	May 14-15 July 2-3	(8:00 a.m.-7:30 p.m.) (8:00 a.m.-7:30 p.m.)
* Registration begins Monday, March 19, 1990			

The University of Southern Maine shall not discriminate and shall comply with applicable laws prohibiting discrimination on the grounds of race, color, religion, sex, sexual orientation, national origin or citizenship status, age, handicap, or veterans status in employment, education, and all other areas of the University. The University of Southern Maine does not discriminate on the basis of handicap in admission or access to, or treatment or employment in, its programs and activities, in compliance with Section 504 of the Rehabilitation Act of 1973 and its implementing regulations. In addition, the University of Southern Maine does not discriminate on the basis of sex in its educational programs or activities, in compliance with Title IX of the Education Amendments of 1972 and its implementing regulations. Discrimination inquiries about the application of Section 504 or Title IX should be directed to Sue Ellen Bordwell, EEO Director, 7 College Avenue, Gorham, Maine 04038. Telephone number: 780-5171. Inquiries about both areas may also be referred to the Office of Civil Rights, U.S. Department of Education, Region 1, John W. McCormack Post Office and Courthouse Building, Boston, MA 02109.

The University of Southern Maine reserves the right to revise, amend, or change items in this catalog from time to time. Readers of this catalog should inquire as to whether any such revisions, amendments, or changes have been made since the date of publication. The University reserves the right to cancel course offerings, to set minimum and maximum size of classes, to change designated instructors in courses, and to make decisions affecting the academic standing of anyone participating in a course or program offered by the University of Southern Maine.

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UNIVERSITY OF SOUTHERN MAINE

The University of Southern Maine (USM) is a coeducational, public university located in Portland and Gorham, Maine, with an enrollment of over 10,000 students during the regular academic year. The University is accredited by the New England Association of Schools and Colleges. During the summer, over 4,000 students attend classes and take advantage of the abundant recreational activities offered in southern Maine. With its two campuses, USM combines the resources of a large university with the more personal approach of a smaller college.

The University operates from 8:00 a.m. to 9:40 p.m., offering classes in liberal arts, teacher preparation, nursing, business, and law. Over 350 credit and noncredit courses will be available to students during the summer of 1990. In

USM is part of the rich past, the dynamic present, and the exciting future of southern Maine.

addition, unique institutes and programs including the prestigious Stonecoast Writers' Conference, courses for music educators, Maine Biology Field Study, a Holistic Health Institute and several institutes for teachers will bring people together to share ideas, develop professional expertise, learn new skills, or extend interest.

The campuses of USM offer a number of unique points of interests—a blend of the old and the new. On the Gorham campus, which is more than 100 years old, is the McLellan House, dating from 1773 and believed to be the oldest brick house in the state of Maine. The Art

Gallery, built in 1878, was an early Gorham town hall. Corthell Hall was built in 1878 and named for the first president. The President's house was built in 1906 and is the home of the president.

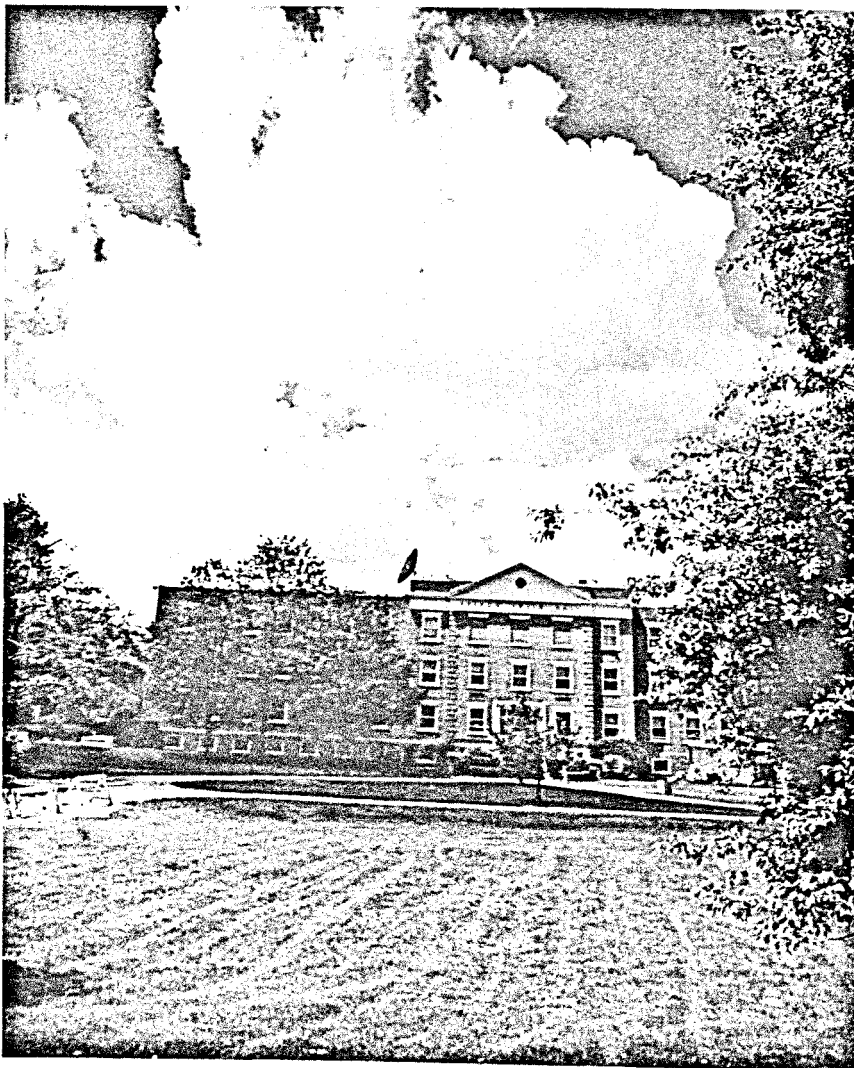
Among the Portland campus buildings are the Alumni Center, the only remaining building of the Deering Estate, an eighteenth-century farm; the seven-story Center for Research and Advanced Study, which houses the School of Law and many University administrative offices; and a modern science building which houses the Southworth Planetarium, considered to be one of New England's finest planetariums.

In addition, the Intown Center at 68 High Street was the early site of Portland Children's Hospital, was later the first location of the University of Maine School of Law, and now provides a convenient location for noncredit programs in the downtown area, as well as a site for USM's Community Television System.

Summer in Maine—a blend of educational, cultural, and recreational activities.

Summer offers a blend of the educational, cultural, and recreational. Poetry readings, music concerts, planetarium shows, art exhibits, programs and movies for children, and faculty lectures will enrich your campus stay. Complete and modern gymnasiums are headquarters for our popular Lifeline programs which are available to summer students. For more information about the special events planned this summer, call the Summer Session office at (207) 780-4076.

Students are encouraged to take advantage of the University's ideal location. An attractive vacation area, southern Maine offers many activities for visitors in the summertime. A nationally recognized orchestra, resident theatre and dance companies, an exciting art museum, and picturesque shopping make the city of Portland a cultural center for the area. In addition, the surrounding lakes, mountains, and fabulous Maine coast offer a variety of recreational activities during the summer. Two coastal state parks (Crescent Beach and Two Lights) are about a half-hour's drive from either campus. To the west, Sebago Lake State Park is about a 45-minute drive from the Gorham campus.



SPECIAL PROGRAMS

INSTITUTES FOR EDUCATORS

The Professional Development Center is the in-service arm of the College of Education at the University of Southern Maine. Its commitment is to assist educators in their quest for excellence.

In the summer, the PDC sponsors special courses and institutes to contribute to the development of educators throughout the state. The programs are designed to provide participants with new knowledge and skills. They range from two or three day seminars and intensive one week institutes to three week courses. They carry varying types of credit: graduate academic, inservice academic, and continuing education. For information, please call (207) 780-5326.

Office Staff

Director: George Lyons

Assistant Director: Joyce Martin

Staff Associate: Carol LaMontagne

Secretary: Alicia Marcinczyk

Institutes for Educators 1990

* Addressing the Needs of Exceptional Students in the Regular Classroom

* Adult Education Institute: Adult Learning Around the World

* Assessment Practices for Young Children

* Conflict Resolution

* Consulting for Teacher Certification Competencies

* In Celebration of Children's Literature

* Interpreting I: Orientation to Deafness

* Law-Related Education Institute: With the Law in Mind

* Middle School Institute

* Organizing and Implementing Effective Literacy Instruction

* Staff Development for Staff Developers

* Whole Language Conference

* Whole Language Teaching

EDU 501 International Seminar

EDW 472 Newspapers in Education

EPD 503 Arts Education Institute

EPD 520 Southern Maine Writing Project



EPD 555 Programs for Gifted/Talented Students with Artistic Ability

EPD 586 Contexts for Literacy Learning in the Young Child

EPD 591 Stress, Competitiveness and the Gifted Child

EPD 592 Identifying and Nurturing Multiple Talents in Gifted Students

EPD 599 Gifted Students with Handicapping Conditions

EPDI 530 Storytelling

EPDI 534 USM Leadership Symposium 1990

EPDI 542 Legal and Ethical Practices: Helping Professions

EPDI 590 Creating Community in Educational Environments

HRD 645 Institute in Gerontology Education: Aging and Life Review

* Use Request for Information form below for these courses. Information for all other courses available on page 38.

REQUEST FOR INFORMATION— PROFESSIONAL DEVELOPMENT CENTER

Name _____

Address _____

City _____

State _____ Zip _____

Interest _____

For further details and registration information for the courses indicated with (*), send this request to: Professional Development Center
305 Bailey Hall
University of Southern Maine
Gorham, ME 04038.

FIELD CAMPS

Archaeology Field Camp **GYA 300**

July 11-July 13

The summer field school is designed to combine training in research methods of archaeology and geography. Students will receive intensive training in methods of site survey excavation and materials analysis. Several weeks will be spent at selected areas of coastal Maine involved in survey and excavation of sites, mapping sites and landscape features, and investigating potential food resources in site areas. This will be followed by some laboratory analysis of recovered materials. This course may be repeated up to twice with the permission of the instructor. For more information contact: Nathan Hamilton, Geography and Anthropology, USM 37 College Ave., Gorham, ME 04038, (207)780-5320 or the Summer Session office at 780-4076.

Marine Biology Field Study **BIO 399**

June 4-29

This in an intensive course in morphological and physiological adaptations and their relation to the ecological distribution of marine organisms. This course is an integrated lecture/lab/field course designed to expose students to the fauna of the following habitats: rocky shores, salt marshes, estuaries, mud flats and open ocean. Field trips will be taken to the various habitats to determine the

distribution of the biota in relation to the physical conditions in the environment. For more information about this course, contact Louis Gaaney, Biology Department, USM, 96 Falmouth Street, Portland, ME 04103, (207) 780-4264.

Historical Archaeology **GYA 499**

July 30-August 25

This summer's archaeological investigations will concentrate on locating and identifying structures such as stages, flakes, sheds, living quarters and other facilities associated with early fishery. Features and structures dating to the eighteenth and nineteenth centuries will be investigated and recorded. Offshore and shoreline searches will be employed to locate the submerged remains of the fishery staging facilities and to retrieve soil samples which will help identify the exact species of fish taken and perhaps provide information on seasonal aspects of the fishery. For more information contact: Faith Harrington, Department of New England Studies, USM, 96 Falmouth Street, Portland, ME 04103.

SPORT PSYCHOLOGY INSTITUTE

June 26-28

This is a three day institute that will examine a number of current issues in sports psychology. Topics include: 1) in-

agery training for performance enhancement; 2) sport psychology consultation; 3) training stress and athletic performance; 4) stress management; 5) application of sport psychology for performance optimization; and 6) additional topics. Presenters will be asked to address these issues from the perspective of athlete, coach, sports professional and parent. For more information or to register, contact the Summer Session office at 780-4076.

CHILDHOOD PSYCHOPATHOLOGY

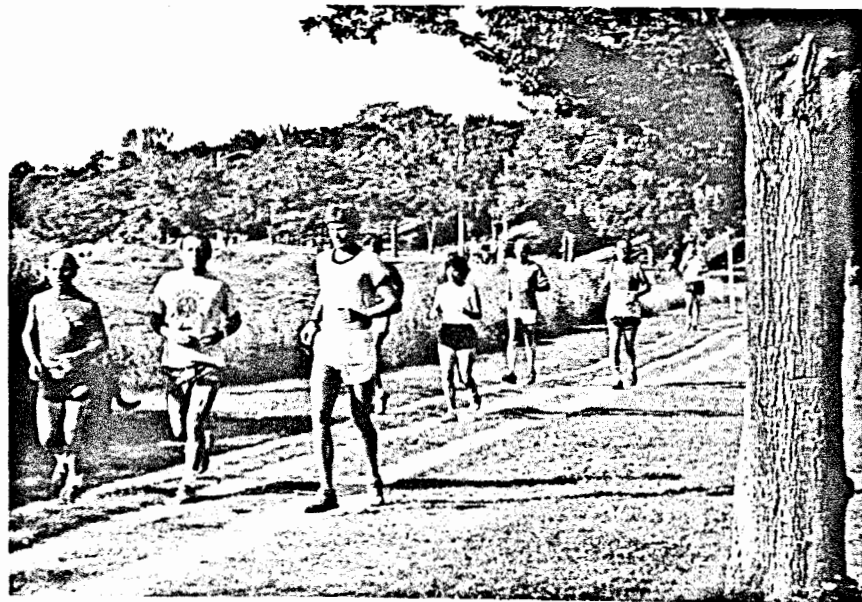
August 2-4

This two-and-a half day workshop will examine current issues in child mental health, including topics such as behavioral management of the disturbed child in the classroom, child abuse, therapeutic techniques with childhood anxiety disorders and other related topics. Intended for teachers, guidance personnel and mental health professionals, this institute will utilize local, regional, and national experts to facilitate a discussion of theory and practice. For more information or to register, contact Summer Session at 780-4076.

HOLISTIC HEALTH INSTITUTE

August 1-3

This is a three-day intensive institute having as its main theme the pathways one journeys to discover and heal the self. A strong emphasis will be placed on the energetic interaction of body, mind and spirit. Specific holistic healing methods such as massage, acupuncture, therapeutic touch, exercise and the relationship between psychotherapy and spirituality will be addressed by expert practitioners in the field. The institute will provide practitioners and learners alike ample opportunity for sharing and self-discovery. Faculty: Maggie Fournier, associate professor, School of Nursing; James V. Sullivan, Department of Recreation and Leisure Studies. For more information, contact Summer Session at (207) 780-4076, or write: USM, Summer Session—Holistic Health, 96 Falmouth Street, Portland, Maine 04103.



STONECOAST WRITERS' CONFERENCE

July 29-August 10

The Stonecoast Writers' Conference is for students, teachers, and others seriously interested in writing who seek to improve their written work in the areas of poetry, short stories, and novels. The staff consists of generous, inspiring, and personable professional writers with distinguished experience in teaching and a substantial record of written achievement.

Please note that application for admission must be sent to: Stonecoast Writers' Conference, English Department, University of Southern Maine, 96 Falmouth Street, Portland, Maine, 04103. Manuscript samples are required for admission. For further information, call 780-4291.

The Courses

Fiction Writing ENG 300F

This is a for those who have already, in a course such as Creative Writing or on their own, written several pieces of fiction and are ready for more advanced work. Emphasis will be supportive rather than critical, with instruction in writing well-developed short stories and on understanding the basic elements of fiction. Suggested preparation: ENG 201 Creative Writing. Apply through the English Department only. Cr 3.

Fiction Workshop ENG 302F

This is an advanced course in writing fiction. Discussion of student short stories and work-in-progress with emphasis on subject development, plot, style, and publication standards. Manuscript conferences with the instructors will be held. A manuscript sample (completed short story, approximately 10 to 20 pages) is required for admission. Apply through the English Department only. Cr 3.

Poetry Workshop ENG 303F

An advanced course in writing poetry, this class involves intensive class discussion of students' poems, with follow-up conferences with the instructors. Class assignments will explore contemporary poetic techniques and perspectives. A



manuscript sample (approximately 5 poems) is required for admission. Please apply through the English Department only. Cr. 3

Novel Workshop ENG 304

This workshop, for writers whose fiction requires the scope of the novel, will examine ways of structuring complex material, with attention to the relation of parts to the whole. It will consider the problems—practical and creative—peculiar to sustaining a single creative effort over a long period of time. Students will present chapters and projected plans in an atmosphere of supportive discussion and criticism. A manuscript sample (30 pages and an outline from work-in-progress) is required for admission. Apply through the English Department only. Cr 3.

For additional information, contact Kenneth Rosen at 780-4291



PROGRAMS FOR YOUNG PEOPLE

Child Care Services

Day Program

Infant, Toddler and Preschool

Ages: 6 weeks to 6 years

Dates: Year Round

Hours: 7:30 a.m.-5:30 p.m.

*Locations: Child Care Centers
Portland Campus, Intown Center-
Portland, and Gorham campus.*

Full time, part time and hourly rates available. Waiting lists may exist in some programs.

Evening Program

Ages: 3 years to 10 years

Dates: Year Round

Hours: 2:45 p.m.-11:45

Hourly rates

*Location: Child Care Center,
Portland Campus*

Featuring child-centered programs of fun and discovery through hands-on experiences and recreational activities.

Call USM Child Care Services at 780-4125 for more information.

Camps

USM Day Camp

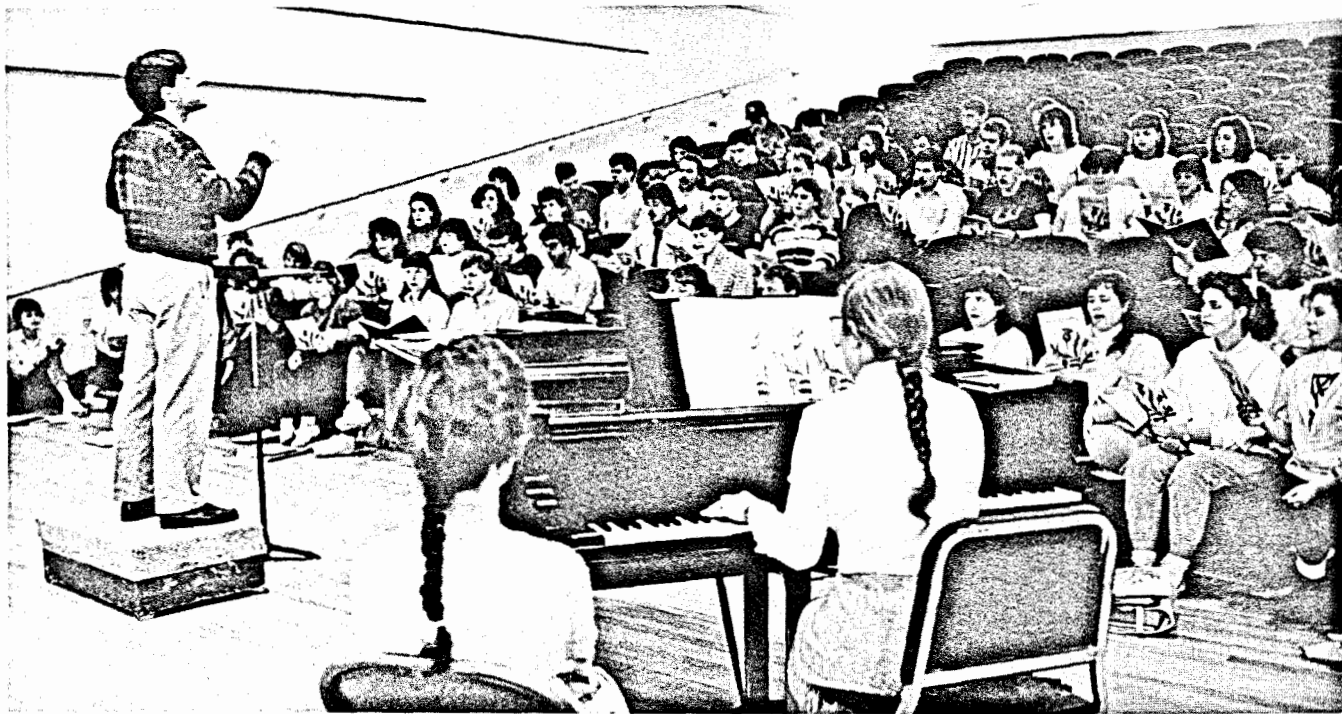
Ages: 6-14 years

Dates: June 25-September 1

Hours: 7:30 a.m.-5:30 p.m.

*Location: Gorham campus and
beyond*

*Transportation from the Portland
campus to the Gorham campus and
return is available.*



Full day, broad-based program providing hiking, crafts, swimming, nature study, sports and the arts, plus experiential learning opportunities for stimulating social and academic skills. Special programs for the 11-14 year old group, plus a Counselor in Training Program for 14 year olds.

Southern Maine Instrumental Music Academy
July 7-15

The Southern Maine Instrumental Music Academy is a nine-day program designed to provide high school musicians with opportunities for musical growth and development through intensive group and individualized instruction provided by a highly qualified staff of professional musicians. The staff includes Peter Martin, Scott Reeves and John Bowdoin, all professors at the University of Southern Maine. For more information, contact the Department of Conferences at 874-6506.

SWISH Basketball Camp
Girls' Camp: July 29-August 3
Sr. Boys' Camp: June 24-29
Jr. Boys' Camp: August 5-10

The SWISH Basketball Camp provides top-quality instruction in all phases of basketball to boys and girls entering

grades 7-12. Each camper will receive individual, team, and group instruction featuring some of the finest high school and college coaches in New England. Directed by Bob Brown, head basketball coach at the University of Southern Maine, the camp features development of team concepts, discussion on the care and prevention of injuries, training concepts and programs, modern facilities, divisions of competition, and a positive approach to the world of basketball.

STIX Field Hockey Camp
Ages: Girls entering grades 9 through 12
Dates: July 8-13

The objective of STIX Camp is to provide the highest quality instruction in all phases of field hockey to girls entering grades 9 through 12. The camp is directed by Paula Hodgdon, head field hockey coach at USM. She is supported by a staff of outstanding high school and college coaches, as well as members of the U.S. Olympic Field Hockey Team. Emphasis is placed on individual and team instruction, fair play, training concepts, and a positive approach to competition and world of field hockey.

USM Summer Soccer School
Girls Week (ages 10-17):
July 22-27
Boys' Week (ages 10-17):
July 15-20

In its 16th year, the USM Summer Soccer School has developed into one of the best soccer programs in New England. Directed by Gary Fifield, USM men's soccer coach, the camp provides progressive instruction in basic soccer techniques and tactics toward the development of young soccer players. These skills are developed through team, special group, game situations, and individualized instruction by an outstanding coaching staff comprised of both college and high school coaches from throughout the country.

Children's Workshops

During the summer of 1990, the University hopes to offer a series of workshops for children starting June 25. These workshops include Photography, Art, and Dramatic Movement.

For more information or to register...
Day Camps, contact USM Child Care Services, 780-4125.

Children's Art Workshop, Drama Workshop, Photography Workshop, contact Summer Session, 780-4076.

All Other Programs, contact Department of Conferences, 874-6506.

OTHER USM PROGRAMS

GRADUATE PROGRAMS

USM Public Policy and Management Program

The Public Policy and Management Program prepares leaders in public affairs with the knowledge and skills to analyze complex policy issues, make difficult policy choices, implement them in an effective manner, and assess results. The program seeks to graduate leaders who understand the social, economic, political, and organizational contexts in which policy is developed and implemented; who comprehend the use of various quantitative and analytical methods; who can articulate ideas clearly, both orally and in writing; and who are competent to manage effectively.

The master of arts degree program in public policy and management requires 45 credit hours. The core courses include both policy analysis and public management approached from an interdisciplinary perspective. A substantive concentration may be achieved through elective courses and field experiences. It is through the concentration and associated field work that students learn to apply the disciplinary knowledge and skills attained in the core courses to the substance of a particular policy field.

For more information contact: Office of the director; Public Policy and Management Program; University of Southern Maine; 96 Falmouth Street, Portland, Me. 04103, (207)780-4380.

School of Law

The School of Law offers a summer program of courses. Admission to the Summer Session is open to law students who have completed their first year and are in good academic standing at an approved law school. Graduates of approved law schools are also invited to apply. Non-law graduate students and some special students may be admitted with the approval of the Director of the Summer Session of the Law School.

For more information about how to enroll, contact: Office of the Registrar, University of Maine School of Law, 246 Deering Ave., Portland, ME 04102, (207)780-4346.

HONORS PROGRAM

The Honors Program provides an enriched education to a selected group of students who are outstanding in their ability, curiosity, creativity, and motivation. Students entering the fall semester of their freshman or sophomore year, whether full-time or part-time and regardless of intended major, are eligible to apply. Students selected for the program work closely with faculty in a series of small seminar-type courses specially designed for Honors Program students. These courses integrate knowledge from various disciplines and examine more fully than is possible in the general curriculum the ways of knowing, Western culture and the contemporary situation. Later, Honors students take an advanced seminar and do a major independent research project under the direction of a faculty member in their department. All Honors Program work stresses independent learning, original thinking and the development of skills in research, writing and oral expression.

Honors Program courses provide a core of general knowledge and a sensitivity to important contemporary issues. Honors students may pursue their particular interests in depth in upper-level courses. Honors Program work provides a superb background for further study and will assist students in gaining admission to graduate or professional school. Honors work is also excellent preparation for any career requiring demonstrated achievement and discipline.

For more information about the Honors Program, contact: University Honors Program, University of Southern Maine, 96 Falmouth Street, Portland, ME 04103, (207) 780-4330.

CERTIFICATE PROGRAMS

Certificate Program for Paralegals

This program provides a sequence of courses leading to a certificate in the broad range of legal services known as general practice. The program includes practical orientation to legal procedure and the court system, an introduction to legal research, writing, and computers, and an overview of several areas of law, including litigation, business organizations, bankruptcy, real estate, probate,



and domestic relations. The Certificate Program is designed primarily for part-time students. Courses are offered twice a week in the evenings and in a one-day seminar format. Sessions begin in January. For more information, contact the Community Programs office in Portland, 874-6500.

Certificate Program in Personal Computer Management

Managing PC's for maximum results takes more than the right equipment and technical expertise; it also takes people with the right combination of technical, management, and "people" skills. The Certificate Program in Personal Computer Management helps businesses meet this need. The program is designed for part-time students who have several years of on-the-job computer experience as end-users, support staff, or as coordinators/managers. The curriculum is appropriate for individuals from any size organization who have responsibility (or would like to have responsibility) for managing personal computers.

The program runs from September through June. Students may enroll mid-year on a space available basis. In lieu of an application, students will complete a skills assessment questionnaire. This assessment will serve as the basis for determining the extent of a student's computer experience and for recommending supplemental computer courses when necessary. Students are expected to have a working knowledge of word processing, spreadsheets, and databases.

All courses are offered in the Department of Community Programs' Com-

puter Lab in Room 201 Payson Smith Hall, on the Portland Campus from 6:30-9:00 p.m. one evening per week. For more information, call the Community Programs office at 874-6500.

Small Business Development Center

The Small Business Development Center provides comprehensive management and technical assistance services to Maine's small business community. It offers a wide range of resources to assist small business: one-on-one business counseling, a uniquely valuable library and information clearing house, and a range of computer related services. The SBDC also offers training, special programs and conferences on a variety of business related subjects.

Counseling services aid current and prospective business owners by pro-

viding technical business assistance and preparing them to take advantage of information resources available to them.

Computer services range from elementary computer literacy to spreadsheet analysis.

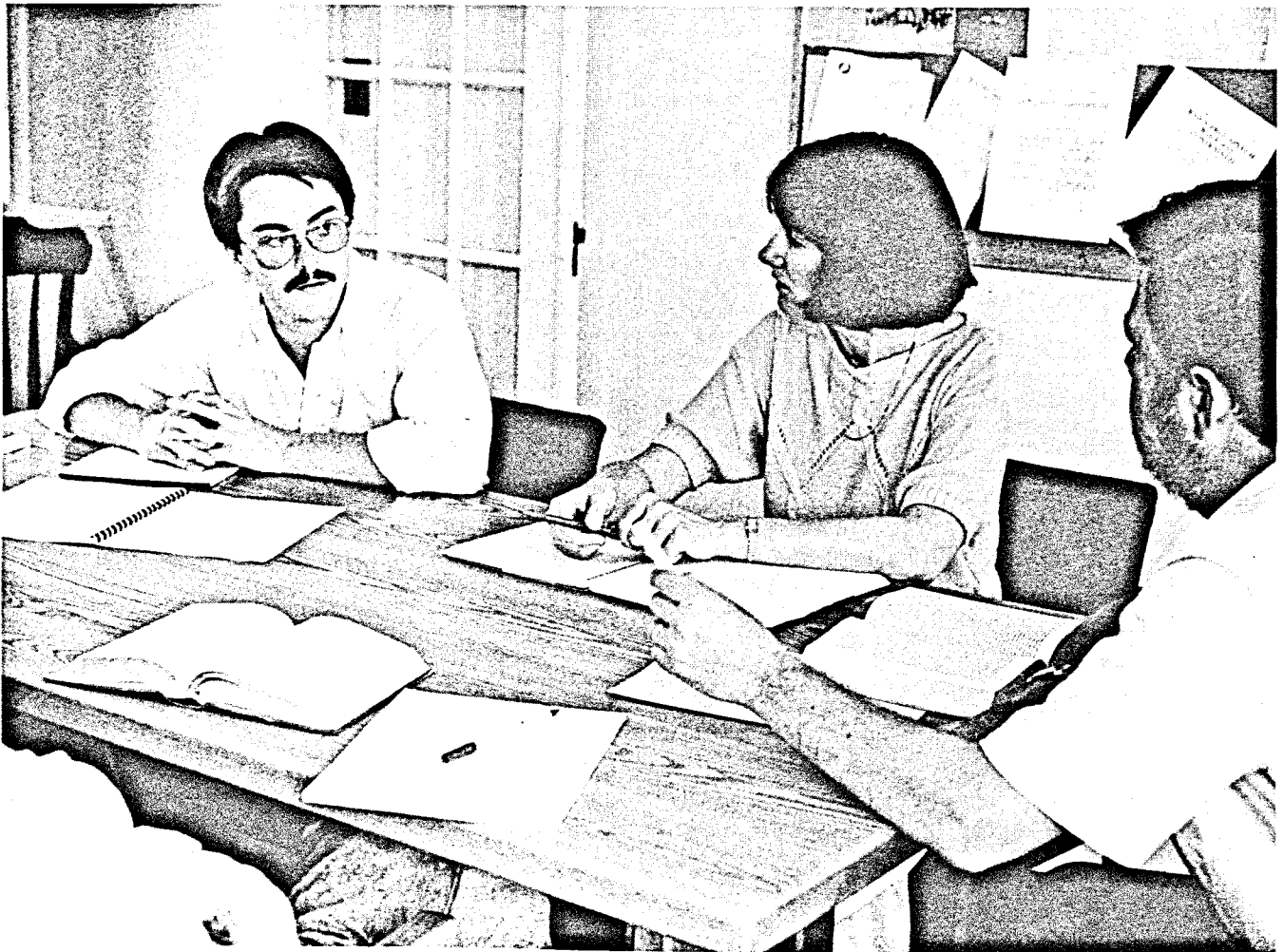
Business Information Services is helpful in answering questions and researching information for small business. The Library has adequate space for clients to do their own research.

One of SBDC's most visible programs is the Maine Projects Trade Show. The MPTS provides a forum for giftware manufacturers of Maine to reach wholesale buyers from across the country.

SBDC services and programs are designed to promote the small business of Maine. For further information call 780-4420.

CENTER FOR REAL ESTATE EDUCATION

The Center for Real Estate Education (a division of the School of Business, Economics and Management) offers the courses necessary to obtain a real estate license in the state of Maine. The courses are designed for sales agents, associate brokers and brokers. The Center also offers courses (for continuing education credits toward renewal of a real estate license) and other real estate related topics of interest to the general public. The Center also offers courses, seminars, videos, and correspondence courses in investments, property management, finance construction, and other related areas. For more information, write Center for Real Estate Education, USM, 68 High Street, Portland, ME 04101 or call (207) 874-6520.



COURSE SCHEDULE

SESSION DATES

Session 1 May 14-June 29 (7 weeks)
 Session 2 May 14-June 8 (4 weeks)
 Session 3 June 11-July 6 (4 weeks)
 Session 4 July 2-August 17 (7 weeks)
 Session 5 July 2-August 10 (6 weeks)
 Session 6 July 16-August 10 (4 weeks)
 Session 7 Variable

SCHEDULE LEGEND

Each course listing contains the following information (refer to headline at top of each column): campus or off-campus location*; session number; course reference number; course number; course title; college; credit hours; time; days.

* P=Portland campus;
 G=Gorham campus;
 T=Saco Center;
 S=Sanford Center;
 B=Bath/Brunswick Center;
 L=Lewiston-Auburn College;
 X=other off-campus location.

HOLIDAYS

- May 28 (Memorial Day)
- July 4 (Independence Day)

Note: Course Reference Number (CRN) contains the location and session of course (ex. G1222 = Gorham course, session 1).

 * CLASSROOM ASSIGNMENTS WILL BE FOUND ON THE SCHEDULE CONFIRMATION *
 * FORMS GIVEN TO STUDENTS AT THE TIME OF REGISTRATION. *

LOC/ CRN	COURSE	TYP	TITLE	COL	CRED HRS	TIME	DAYS	INSTRUCTOR
COLLEGE OF ARTS AND SCIENCES								
ART			MICHAEL MOORE			7 ROBIE-ANDREWS HALL (780-5460)		
G7004	AED 412	LEC	ART EDUCATION CURRICULUM	AS	3.0	9:00- 3:00P	MTWTH	MOORE, JOANNA
THIS COURSE MEETS JULY 16-JULY 26								
P1005	ARH 111G	LEC	PREHISTORIC TO MEDIEVAL	AS	3.0	7:00- 9:40P	TTH	TBA
P4007	ARH 112G	LEC	RENAISSANCE THROUGH 20TH CE	AS	3.0	7:00- 9:40P	MW	TBA
P6006	ARH 112G	LEC	RENAISSANCE THROUGH 20TH CE	AS	3.0	8:15-11:30A	MTW	TBA
P7008	ART 141F	STU	FUNDAMENTAL DESIGN I	AS	3.0	8:30- 4:30P	MTWTH	MOORE, MICHAEL G
THIS COURSE MEETS JUNE 4-JUNE 21								
G7009	ART 231	STU	CERAMICS	AS	3.0	8:30- 4:30P	MTW	CHAPMAN, PRISCILLA C
THIS COURSE MEETS JUNE 25-JULY 18								
P7010	ART 259	STU	LANDSCAPE DRAWING	AS	3.0	8:30- 4:30P	MTWTHFS	BURK, GEORGE
THIS COURSE MEETS JULY 9-JULY 21								
P3011	ART 269	STU	LANDSCAPE PAINTING	AS	3.0	8:30- 4:30P	MTWTH	RAKOVAN, LAWRENCE F
P7014	ART 363	STU	WATERCOLOR	AS	3.0	8:30- 4:30P	MTWTH	BEARCE, JEANA
THIS COURSE MEETS JUNE 25-JULY 13								
P7470	ART 365	STU	INTERM WATERCOLOR-PAINTING	AS	3.0	8:30- 4:30P	MTWTH	BEARCE, JEANA
THIS COURSE MEETS JUNE 25-JULY 13								
P7471	ART 366	STU	INTERMEDIATE WATERCOLOR	AS	3.0	8:30- 4:30P	MTWTH	BEARCE, JEANA
THIS COURSE MEETS JUNE 25-JULY 13								
G7012	ART 412	STU	TOPICS:PHOTOGRAPHIC ESSAY	AS	3.0	8:30- 4:30P	MTWTHFS	MARASCO, ROSE
THIS COURSE MEETS JUNE 4-JUNE 16								
ARTS AND SCIENCES			MAURICE CHABOT			235 SCIENCE BUILDING (780-4247)		
P3004	ARS 124I	LEC	COMPARATIVE RELIGION	AS	3.0	8:15-11:30A	MTW	ROSE, JENNIFER ANN
BIOLOGY			PATRICIA O'MAHONEY-DAMON			206 SCIENCE BUILDING (780-4263)		
P1015	BIO 105K	LEC	BIOLOGICAL PRINCIPLES I	AS	3.0	4:00- 6:40P	TTH	RICIPUTI, REMO H
P1016	BIO 106K	LAB	LABORATORY BIOLOGY I	AS	1.5	12:30- 3:20P	TTH	BONANG, CLAUDE B
P4017	BIO 211	LEC	HUMAN ANATOMY & PHYSIOLOGY	AS	4.0	10:00-11:50A	MTWTH	VOLLMER, DOUGLAS A
P4018	BIO 212	LAB	PRAC ANAT & PHYSIOLOGY	AS	1.5	1:00- 3:50P	MW	VOLLMER, DOUGLAS A
P1021	BIO 281	LEC	MICROBIOLOGY & HUMAN DISEAS	AS	3.0	8:15-11:30A	MW	NAJARIAN, HAIG H
P1022	BIO 282	LAB	MICROBIOLOGY&HUMAN DISEASE	AS	2.0	8:15-12:30P	TTH	NAJARIAN, HAIG H
P1019	BIO 345	LEC	PATHOPHYSIOLOGY	AS	3.0	9:00-11:40A	TTH	O'MAHONEY-DAMON, PAT
P7023	BIO 399	LAB	FIELD MARINE BIOLOGY	AS	6.0	9:00- 5:00P	MTWTHF	GAINNEY, LOUIS F
THIS COURSE MEETS JUNE 4-JUNE 29. THIS IS A FEE COURSE.								
CONTACT SUMMER SESSION AT 780-4076.								
P7020	BIO 441	IND	PROBLEMS IN BIOLOGY	AS	VAR			O'MAHONEY-DAMON, PAT
CHEMISTRY			ALAN SMITH			363A SCIENCE BUILDING (780-4722)		
P1296	CHY 101K	LEC	INTRO TO CHEMISTRY	AS	3.0	6:00- 8:40P	MW	BEST, RICHARD J

LOC/ CRN	COURSE	TYP	TITLE	COL	CRED HRS	TIME	DAYS	INSTRUCTOR
P3319	ENG 309	LEC	NEWSWRITING	AS	3.0	12:30- 3:45P	MTW	COLE, JOHN N
P2316	ENG 315	LEC	ANCIENT MASTERPIECES	AS	3.0	12:30- 3:45P	MTW	RUSCH, WILLARD J
P6554	ENG 316	LEC	BIBLE	AS	3.0	8:15-11:30A	MTW	CARNER, FRANK K
P4326	ENG 327	LEC	MODERN SHORT STORY	AS	3.0	7:00- 9:40P	TTH	BENEDICT, DIANNE
P5329	ENG 360	LEC	SHAKESPEARE	AS	3.0	12:30- 3:45P	TTH	WOLF, BARBARA
P2553	ENG 371	LEC	MAJOR ROMANTIC WRITERS	AS	3.0	8:15-11:30A	MTW	CARNER, FRANK K
P4325	ENG 380	LEC	AMERICAN RENAISSANCE	AS	3.0	7:00- 9:40P	MW	PFAU, THOMAS
P4323	ENG 387	LEC	CONTEMPORARY WOMEN WRITERS	AS	3.0	4:00- 6:40P	MW	DE NICOLA, DEBORAH A
P2317	ENG 389	LEC	WRITERS OF MAINE	AS	3.0	8:15-11:30A	MTW	JAQUES, JOHN F
P1310	ENG 394	LEC	MODERN POETRY	AS	3.0	4:00- 6:40P	TTH	ROSEN, KENNETH F
P1308	ENG 395	LEC	ANGLO-IRISH LITERATURE	AS	3.0	7:00- 9:40P	TTH	MCGRATH, FRANCIS C

FOREIGN LANGUAGES & CLASSICS LUCIA DIBENEDETTO 55 EXETER STREET (780-4337)

P7054	FRE 107	LEC	INTENSIVE BEGIN FRENCH	AS	6.0	9:30-12:45P	MTWTHF	TBA
			THIS COURSE MEETS JUNE 25-AUGUST 3					
P7055	FRE 107	LAB	INTENSIVE BEGIN FRENCH	AS	2.0	8:30- 9:15A	MTWTHF	TBA
			THIS COURSE MEETS JUNE 25-AUGUST 3					
P7069	FRE 299	LEC	INTENSIVE INTERM FRENCH	AS	6.0	9:30-12:45P	MTWTHF	TBA
			THIS COURSE MEETS JUNE 25-AUGUST 3					
P7070	FRE 299	LAB	INTENSIVE INTERM FRENCH LAB	AS	2.0	8:30- 9:15A	MTWTHF	TBA
			THIS COURSE MEETS JUNE 25-AUGUST 3					
P7071	GER 107	LEC	INTENSIVE BEGIN GERMAN	AS	6.0	9:30-12:45P	MTWTHF	TBA
			THIS COURSE MEETS JUNE 25-AUGUST 3					
P7072	GER 107	LAB	INTENSIVE BEGIN GERMAN LAB	AS	2.0	8:30- 9:15A	MTWTHF	TBA
			THIS COURSE MEETS JUNE 25-AUGUST 3					
P7056	SPA 107	LEC	INTENSIVE BEGIN SPANISH	AS	6.0	8:15-11:30A	MTWTHF	SUSCAVAGE, CHARLENE
			THIS COURSE MEETS JUNE 25-AUGUST 3					
P7057	SPA 107	LAB	INTENSIVE BEGIN SPANISH	AS	2.0	11:45-12:30P	MTWTHF	SUSCAVAGE, CHARLENE
			THIS COURSE MEETS JUNE 25-AUGUST 3					
P7058	SPA 207	LEC	INTENSIVE INTERM SPANISH	AS	6.0	9:30-12:45P	MTWTHF	TAYLOR, KAREN D
			THIS COURSE MEETS JUNE 25-AUGUST 3					
P7059	SPA 207	LAB	INTENSIVE INTERM SPANISH	AS	2.0	8:30- 9:15A	MTWTHF	TAYLOR, KAREN D
			THIS COURSE MEETS JUNE 25-AUGUST 3					
P6068	SPA 281H	LEC	SPANISH AMERICAN & BRAZIL	L AS	3.0	12:30- 3:45P	MTW	KINSELLA, JOHN M

GEOGRAPHY & ANTHROPOLOGY JUDY TIZON 300E BAILEY HALL (780-5060)

P2003	ANT 101J	LEC	ANTHRO:THE CULTURAL VIEW	AS	3.0	8:15-11:30A	MTW	TIZON, JUDY H
G3000	GEO 120J	LEC	GEOGRAPHY OF MAINE	AS	3.0	8:15-11:30A	MTW	HODGES, FRANKLIN D
X7001	GYA 300	FIE	ARCHAEOLOGY FIELD SCHOOL	AS	6.0	7:00- 4:00P	MTWTHF	HAMILTON, NATHAN D
			THIS COURSE MEETS JUNE 11-JULY 13. THIS IS A FEE COURSE.					
			CONTACT N. HAMILTON AT 780-5320.					
G7002	GYA 350	PRA	INTERNSHIP IN GEOG-ANY	AS	VAR			TIZON, JUDY H
G7557	GYA 499	LEC	HISTORICAL ARCHAEOLOGY	AS	3.0	7:00- 4:00P	MTWTHF	HARRINGTON, FAITH
			THIS COURSE MEETS JULY 30-AUGUST 11. THIS IS A FEE COURSE.					
			CONTACT SUMMER SESSION AT 780-4076.					
G7558	GYA 499	LEC	HISTORICAL ARCHAEOLOGY	AS	3.0	7:00- 4:00P	MTWTHF	HARRINGTON, FAITH
			THIS COURSE MEETS AUGUST 13-AUGUST 25. THIS IS A FEE COURSE.					
			CONTACT SUMMER SESSION AT 780-4076.					
G7559	GYA 499	LEC	HISTORICAL ARCHAEOLOGY	AS	6.0	7:00- 4:00P	MTWTHF	HARRINGTON, FAITH
			THIS COURSE MEETS JULY 30-AUGUST 25. THIS IS A FEE COURSE.					
			CONTACT SUMMER SESSION AT 780-4076.					

GEOSCIENCES STEPHEN POLLOCK 311C BAILEY HALL (780-5353)

P1060	GEY 111K	LEC	PHYSICAL GEOLOGY	AS	3.0	7:00- 9:40P	TTH	NOVAK, IRWIN D
G1065	GEY 112K	LAB	PHYSICAL GEOLOGY LAB	AS	1.0	4:30- 6:30P	TTH	PENDLETON, JAMES W
G7066	GEY 299	FIE	FIELD TRIPS:COAST ME GEOLOG	AS	3.0	7:00- 8:15P	TH	SWANSON, MARK T
						8:30- 4:30P	S	
			THIS COURSE MEETS MAY 31, JUNE 2, 7, 9, 14, 16, 21 AND 23					
G2061	OCE 100K	LEC	INTRO TO OCEANOGRAPHY	AS	3.0	8:15-11:30A	MTW	VOSE, MARGARET E
G4062	OCE 100K	LEC	INTRO TO OCEANOGRAPHY	AS	3.0	4:00- 6:40P	MW	NAIDEN, PETER C
G2063	OCE 101K	LAB	OCEANOGRAPHY LAB	AS	1.0	12:30- 3:45P	MTW	VOSE, MARGARET E
G4064	OCE 101K	LAB	OCEANOGRAPHY LAB	AS	1.0	7:00- 9:00P	MW	NAIDEN, PETER C

HISTORY H DRAPER HUNT 422 LUTHER BONNEY HALL (780-4317)

P1073	HTY 101I	LEC	WESTERN CIVILIZATION I	AS	3.0	7:00- 9:40P	TTH	COLE, PHILLIP A
P4074	HTY 102I	LEC	WESTERN CIVILIZATION II	AS	3.0	7:00- 9:40P	TTH	COLE, PHILLIP A

LOC/ CRN	COURSE	TYP	TITLE	COL	CRED HRS	TIME	DAYS	INSTRUCTOR
P1075	HTY 1311	LEC	U.S. HISTORY TO 1877	AS	3.0	7:00- 9:40P	MW	WHITMORE, ALLAN R
P7076	HTY 1311	LEC	U.S. HISTORY TO 1877	AS	3.0	8:15-11:30A	TTH	BARNES, DIANE NEWSON
THIS COURSE MEETS JUNE 25-AUGUST 3								
P4077	HTY 1321	LEC	U.S. HISTORY SINCE 1877	AS	3.0	7:00- 9:40P	MW	WHITMORE, ALLAN R
P5086	HTY 1321	LEC	U.S. HISTORY SINCE 1877	AS	3.0	12:30- 3:45P	TTH	LMANNI, ANTHONY M
P4085	HTY 1621	LEC	AFRICA SINCE PARTITION	AS	3.0	4:00- 6:40P	MW	SCHLEH, EUGENE P A
P4084	HTY 200	LEC	REF,RESEARCH & WRITING	AS	3.0	4:00- 6:40P	TTH	SCHLEH, EUGENE P A
P1078	HTY 360	LEC	HISTORY OF MAINE	AS	3.0	4:00- 6:40P	MW	YORK, ROBERT M
P1079	HTY 361	LEC	AMERICAN FRONTIER	AS	3.0	12:30- 3:15P	TTH	BARNES, DIANE NEWSON
P2083	HTY 394	LEC	CHRISTIAN CHURCH NEW TEST	AS	3.0	8:15-11:30A	MTW	JOHNSON, GARY
P7083	HTY 399	LEC	HISTORY OF BRAZIL	AS	3.0	6:00- 9:15P	MW	TBA
THIS COURSE MEETS JUNE 25-AUGUST 3. REGISTRATION DEADLINE: MAY 31								
P7080	HTY 434	LEC	MAINE HISTORY AND TRAVEL	AS	3.0			YORK, ROBERT M
THIS COURSE MEETS JUNE 25,29,30,JULY 6,7,13,AND 14								
P7081	HTY 534	LEC	MAINE HISTORY & TRAVEL	AS	3.0			YORK, ROBERT M
THIS COURSE MEETS JUNE 25,29,30,JULY 6,7,13,AND 14								

MATHEMATICS

WALDECK E MAINVILLE, JR 226 SCIENCE BUILDING (780-4725)

G1148 MAC 234 LEC COMP PROG FOR ELEM MAJORS AS 3.0 7:00- 9:40P MW KRATZER, RICHARD O

CREDITS EARNED BY COMPLETING MAT 010 OR MAT 011B WILL NOT COUNT TOWARD FULFILLING A BACCALAUREATE DEGREE.

P1149	MAT 010	LEC	ELEMENTARY ALGEBRA	AS	3.0	4:00- 6:40P	MW	FARRIS, STEVEN L
P4150	MAT 010	LEC	ELEMENTARY ALGEBRA	AS	3.0	7:00- 9:40P	TTH	BHALLA, SANDEEP
P1151	MAT 011B	LEC	INTERMEDIATE ALGEBRA	AS	3.0	7:00- 9:40P	TTH	FARRIS, STEVEN L
P4152	MAT 011B	LEC	INTERMEDIATE ALGEBRA	AS	3.0	4:00- 6:40P	MW	JAIN, RAJAT
P1154	MAT 100D	LEC	COLLEGE ALGEBRA	AS	3.0	4:00- 6:40P	TTH	GUAY, MERLE D
P4153	MAT 100D	LEC	COLLEGE ALGEBRA	AS	3.0	7:00- 9:40P	TTH	ESTES, ROBERT A
P7155	MAT 100D	LEC	COLLEGE ALGEBRA	AS	3.0	9:00-11:30A	MTTHF	MAINVILLE, WALDECK E
THIS COURSE MEETS MAY 14-JUNE 8								
P1157	MAT 105D	LEC	MATH FOR QUANT DEC MAKING	AS	3.0	7:00- 9:40P	TTH	GUAY, MERLE D
P4156	MAT 105D	LEC	MATH FOR QUANT DEC MAKING	AS	3.0	4:00- 6:40P	TTH	ESTES, ROBERT A
P1158	MAT 110D	LEC	BUSINESS CALCULUS	AS	3.0	7:00- 9:40P	TTH	IRISH, JOEL W
P4159	MAT 110D	LEC	BUSINESS CALCULUS	AS	3.0	4:00- 6:40P	MW	MACDONALD, STEPHEN A
P7160	MAT 110D	LEC	BUSINESS CALCULUS	AS	3.0	9:00-11:30A	MTTHF	MAINVILLE, WALDECK E
THIS COURSE MEETS JUNE 11-JULY 6								
P1161	MAT 120D	LEC	INTRO TO STATISTICS	AS	3.0	7:00- 9:40P	MW	ROGERS, PAUL C
P1162	MAT 120D	LEC	INTRO TO STATISTICS	AS	3.0	4:00- 6:40P	TTH	EL-TAHA, MUHAMMAD A
P4163	MAT 120D	LEC	INTRO TO STATISTICS	AS	3.0	7:00- 9:40P	TTH	EVANS, WARREN M
G1164	MAT 131D	LEC	NUMBER SYSTEMS-ELEM TEACH	AS	3.0	7:00- 9:40P	MW	SOYCHAK, ANTHONY G
P1165	MAT 140D	LEC	PRE-CALCULUS MATHEMATICS	AS	3.0	4:00- 6:40P	TTH	IRISH, JOEL W
P4166	MAT 140D	LEC	PRE-CALCULUS MATHEMATICS	AS	3.0	7:00- 9:40P	MW	MACDONALD, STEPHEN A
P7167	MAT 152D	LEC	CALCULUS A	AS	4.0	8:15-10:30A	MTWTH	BROWN, WILLIAM A
THIS COURSE MEETS MAY 14-JUNE 29								
P7168	MAT 153	LEC	CALCULUS B	AS	4.0	5:00- 6:40P	MTTH	NARANG, KAMAL
THIS COURSE MEETS MAY 14-JULY 29								
P7169	MAT 153	LEC	CALCULUS B	AS	4.0	8:15-10:30A	MTWTH	BRUNETTE, JOHN
THIS COURSE MEETS JULY 2-AUGUST 17								
P1170	MAT 211	LEC	PROBABILITY	AS	3.0	4:00- 6:40P	MW	GUPTA, BHISHAM C
P4171	MAT 211	LEC	PROBABILITY	AS	3.0	4:00- 6:40P	MW	UDDIN, NIZAM
P4172	MAT 211	LEC	PROBABILITY	AS	3.0	7:00- 9:40P	TTH	GUPTA, SAT N
P1173	MAT 212	LEC	STATISTICS	AS	3.0	7:00- 9:40P	MW	GUPTA, BHISHAM C
P4174	MAT 212	LEC	STATISTICS	AS	3.0	7:00- 9:40P	MW	GUPTA, SAT N
G4175	MAT 231	LEC	ALGEBRA FOR ELEM TEACHERS	AS	3.0	7:00- 9:40P	MW	SOYCHAK, ANTHONY G
G7302	MAT 252	LEC	CALCULUS C	AS	4.0	8:00- 9:40A	MTTHF	CHABOT, MAURICE J
THIS COURSE MEETS MAY 14-JUNE 29. THIS IS AN ITV COURSE RECEIVE SITE.								
P7176	MAT 252	LEC	CALCULUS C	AS	4.0	8:00- 9:40A	MTTHF	CHABOT, MAURICE J
THIS COURSE MEETS MAY 14-JUNE 29. THIS IS AN ITV COURSE ORIGINATION SITE.								
P4560	MAT 380	LEC	THEORY OF PROBAB & STATS	AS	3.0	4:00- 6:40P	MW	GUPTA, SAT N
P4331	MAT 690	LEC	ABSTRACT ALGEBRA	AS	3.0	7:00- 9:40P	MW	NARANG, KAMAL
G7182	MME 505	LEC	LOGIC & FOUNDATIONS OF MATH	AS	3.0	8:00-12:00P	MTWTHF	TBA
THIS COURSE MEETS JUNE 25-JULY 6								
P7178	MME 513	LEC	LAB:PROJ ASPIRE CALCULUS	AS	3.0	10:15-12:15P	MTTHF	CHABOT, MAURICE J
THIS COURSE MEETS JULY 2-JULY 31								
P7179	MME 519	LEC	TEACH CALCULUS IN SEC SCH	AS	3.0	8:00-10:00A	MTTHF	CHABOT, MAURICE J
THIS COURSE MEETS JULY 2-JULY 31								
G7180	MME 549	LEC	SEL TOP:MATH ELEM TEACH	AS	3.0	8:00-12:30P	MTWTHF	KRATZER, RICHARD O
THIS COURSE MEETS JUNE 25-JULY 6								

LOC/ CRN	COURSE	TYP	TITLE	COL	CRED HRS	TIME	DAYS	INSTRUCTOR
G7181	MME 549	LEC SEL	TOP:MATH ELEM TEACH	AS	3.0	1:00- 5:30P	MTWTFH	KRATZER, RICHARD O
			THIS COURSE MEETS JUNE 25-JULY 6					
P1332	STA 652	LEC	NON-PARAMETRIC METHODS	AS	3.0	7:00- 9:40P	TTH	UDDIN, NIZAM
MILITARY SCIENCE			LTC GERALD BARNES	55 COLLEGE AVENUE (780-5255)				
G7087	MIS 229	FIE ROTC	BASIC CAMP	AS	6.0			SMALL, SAMUEL R
G7088	MIS 229	FIE ROTC	BASIC CAMP	AS	6.0			SMALL, SAMUEL R
G7089	MIS 229	FIE ROTC	BASIC CAMP	AS	6.0			SMALL, SAMUEL R
G7090	MIS 229	FIE ROTC	BASIC CAMP	AS	6.0			SMALL, SAMUEL R
MUSIC			RONALD COLE	102 CORTHELL HALL (780-5267)				
G1093	MUE 520	LEC	PHILOSOPHY:MUSIC EDUCATION	AS	3.0	5:00- 7:40P	MW	ATTERBURY, BETTY W
G7094	MUE 521	LEC	TEACH CREATE LIST GEN MUSIC	AS	3.0	9:00- 3:30P	MTWTFH	ATTERBURY, BETTY W
			THIS COURSE MEETS JUNE 25-JULY 3					
G7095	MUE 524	LEC	NONPERFORM MUS SEN HIGH SCH	AS	3.0	9:00- 3:30P	MTWTFH	TBA
			THIS COURSE MEETS JULY 23-JULY 31					
G7096	MUE 599	LEC	ORFF CERTIFICATION LEVEL II	AS	3.0	9:00- 3:30P	MTWTFH	FEIDLER, SHARON
			THIS COURSE MEETS JULY 30-AUGUST 6					
P4091	MUS 100G	LEC	MUSIC APPREC AND HISTORY	AS	3.0	7:00- 9:40P	MW	SCHNELL, JOHN M
G4097	MUS 103G	LEC	INTRODUCTION TO JAZZ	AS	3.0	4:00- 6:40P	TTH	REEVES, SCOTT D
P1092	MUS 110F	LEC	FUNDAMENTALS OF MUSIC	AS	3.0	7:00- 9:40P	TTH	MARTIN, PETER J
PHILOSOPHY			JULIEN MURPHY	47 EXETER STREET (780-4229)				
P1543	PHI 105E	LEC	INTRO:THEORY HUMAN NATURE	AS	3.0	4:00- 6:40P	TTH	TBA
P3545	PHI 105E	LEC	INTRO:THEORY HUMAN NATURE	AS	3.0	8:15-11:30A	MTW	WININGER, KATE
P1101	PHI 107E	LEC	SEARCH FOR IDENTITY	AS	3.0	7:00- 9:40P	MW	WILCOX, JOEL
P2102	PHI 107E	LEC	SEARCH FOR IDENTITY	AS	3.0	12:30- 3:45P	MTW	WILCOX, JOEL
P2546	PHI 111E	LEC	INTRO:PHIL READ & WRITING	AS	3.0	12:30- 3:45P	MTW	CAFFENTZIS, CONSTANT
P2104	PHI 265	LEC	FEMINIST PHILOSOPHY	AS	3.0	12:30- 3:45P	MTW	MURPHY, JULIEN S
PHYSICS			ROBERT COAKLEY	254 SCIENCE BUILDING (780-4733)				
P1105	PHY 111K	LEC	ELEMENTS OF PHYSICS I	AS	4.0	8:30-11:15A	MW	LASALA, GERALD J
P1106	PHY 111K	LAB	ELEMENTS OF PHYSICS I LAB	AS	0.0	8:30-11:30A	T	LASALA, GERALD J
P1107	PHY 111K	REC	ELEMENTS OF PHYSICS I REC	AS	0.0	8:30-11:15A	TH	LASALA, GERALD J
P4108	PHY 112	LEC	ELEMENTS OF PHYSICS II	AS	4.0	8:30-11:15A	MW	COAKLEY, ROBERT W
P4109	PHY 112	LAB	ELEMENTS OF PHYSICS II LAB	AS	0.0	8:30-11:30A	T	COAKLEY, ROBERT W
P4110	PHY 112	REC	ELEMENTS OF PHYSICS II REC	AS	0.0	8:30-11:15A	TH	COAKLEY, ROBERT W
P7561	PHY 123	LEC	GENERAL PHYSICS II	AS	4.0	7:30- 9:30P	TTH	TBA
			THIS COURSE MEETS MAY 29-AUGUST 2					
P7562	PHY 123	REC	GENERAL PHYSICS II	AS	0.0	7:30- 9:00P	M	TBA
			THIS COURSE MEETS MAY 29-AUGUST 2					
P7563	PHY 124	LAB	GENERAL PHYSICS II LAB	AS	1.0	7:30- 9:30P	W	TBA
			THIS COURSE MEETS MAY 29-AUGUST 2					
POLITICAL SCIENCE			RICHARD MAIMAN	126 BEDFORD STREET (780-4191)				
P1111	POS 101J	LEC	INTRO TO AMER GOVERNMENT	AS	3.0	4:00- 6:40P	TTH	HAMILTON, MICHAEL S
P6112	POS 102J	LEC	PEOPLE AND POLITICS	AS	3.0	12:30- 3:45P	MTW	WOSHINSKY, OLIVER H
P7115	POS 354	PRA	STATE INTERNSHIP	AS	6.0			TBA
PSYCHOLOGY			JOSEPH HEARNS	514 SCIENCE BUILDING (780-4252)				
G1120	PSY 101J	LEC	GENERAL PSYCHOLOGY I	AS	3.0	7:00- 9:40P	MW	BROIDA, JOHN P
G4118	PSY 101J	LEC	GENERAL PSYCHOLOGY I	AS	3.0	7:00- 9:40P	TTH	BROIDA, JOHN P
P1117	PSY 101J	LEC	GENERAL PSYCHOLOGY I	AS	3.0	7:00- 9:40P	TTH	SYTSMAN, DONALD
P2116	PSY 101J	LEC	GENERAL PSYCHOLOGY I	AS	3.0	8:15-11:30A	MTW	SYTSMAN, DONALD
P3119	PSY 101J	LEC	GENERAL PSYCHOLOGY I	AS	3.0	8:15-11:30A	MTW	BROWN, SCOTT W
P1121	PSY 102	LEC	GENERAL PSYCHOLOGY II	AS	3.0	4:00- 6:40P	TTH	GAYTON, WILLIAM F
P4122	PSY 232	LEC	PSYCHOLOGY OF ADJUSTMENT	AS	3.0	4:00- 6:40P	TTH	LEONE, PAMELA M
P2123	PSY 235	LEC	PSYCHOLOGY OF WOMEN	AS	3.0	8:15-11:30A	MTW	COOK, SUSAN J
P4124	PSY 333	LEC	PSYCHOPATHOLOGY	AS	3.0	4:00- 6:40P	TTH	GAYTON, WILLIAM F
P2125	PSY 361	LEC	SENSATION & PERCEPTION	AS	3.0	8:15-11:30A	MTW	HEARNS, JOSEPH F
P7126	PSY 400	LEC	SPORTS PSYCHOLOGY	AS	3.0	8:00- 4:00P	THFS	GAYTON, WILLIAM F
			THIS COURSE MEETS JUNE 26-28. THIS IS A FEE COURSE. CONTACT W. GAYTON AT 780-4251.					
P7127	PSY 400	LEC	CHILDHOOD PSYCHOPATHOLOGY	AS	3.0	8:00- 4:00P	THFS	GAYTON, WILLIAM F
			THIS COURSE MEETS AUGUST 2-4. THIS IS A FEE COURSE. CONTACT W. GAYTON AT 780-4251.					

LOC/ CRN	COURSE	TYP	TITLE	COL	CRED HRS	TIME	DAYS	INSTRUCTOR
P7128	PSY 400	IND	INDEPENDENT STUDY	AS	VAR			GAYTON, WILLIAM F
P7129	PSY 400	IND	INDEPENDENT STUDY	AS	VAR			BROIDA, JOHN P
P7132	PSY 401	IND	INDEPENDENT STUDY	AS	VAR			GAYTON, WILLIAM F
P7133	PSY 401	IND	INDEPENDENT STUDY	AS	VAR			BROIDA, JOHN P
SOCIAL WORK			VINCENT FAHERTY		319 MASTERTON HALL			(780-4120)
P7295	SWO 397	IND	INDEPENDENT STUDY	AS	VAR			FAHERTY, VINCENT E
P7134	SWO 433	LEC	SOCIAL WORK RESEARCH	AS	3.0	3:00- 6:15P	MWTH	FAHERTY, VINCENT E
			THIS COURSE MEETS MAY 14-JUNE 8					
SOCIOLOGY AND CRIMINOLOGY			MADELEINE GIGUERE		120 BEDFORD STREET			(780-4100)
G1186	SOC 100J	LEC	INTRODUCTION TO SOCIOLOGY	AS	3.0	7:00- 9:40P	TTH	ANSPACH, DONALD F
			THIS IS AN ITV COURSE RECEIVE SITE.					
P1185	SOC 100J	LEC	INTRODUCTION TO SOCIOLOGY	AS	3.0	7:00- 9:40P	TTH	ANSPACH, DONALD F
			THIS IS AN ITV COURSE ORIGINATION SITE.					
P2183	SOC 100J	LEC	INTRODUCTION TO SOCIOLOGY	AS	3.0	8:15-11:30A	MTW	MONSEN, S HENRY
P4184	SOC 100J	LEC	INTRODUCTION TO SOCIOLOGY	AS	3.0	7:00- 9:40P	MW	VACHON, P.DAVID
P2187	SOC 380	LEC	SOCIOLOGY OF VIOLENCE	AS	3.0	8:15-11:30A	MTW	FULLAM, DAVID C
THEATRE			WALTER STUMP		RUSSELL HALL			(780-5481)
P2135	THE 101G	LEC	INTRODUCTION TO DRAMA	AS	3.0	8:15-11:30A	MTW	STUMP, WALTER R
P3136	THE 101G	LEC	INTRODUCTION TO DRAMA	AS	3.0	12:30- 3:45P	TTH	PICINICH, SUSAN E
P4146	THE 101G	LEC	INTRODUCTION TO DRAMA	AS	3.0	7:00- 9:40P	TTH	TBA
P6145	THE 101G	LEC	INTRODUCTION TO DRAMA	AS	3.0	12:30- 3:45P	MTW	PICINICH, SUSAN E
P2137	THE 120F	LEC	FUND OF ACTING:MOVEMENT	AS	3.0	12:30- 3:45P	MTW	ROOTES, MINOR
G1142	THE 170F	LEC	PUBLIC SPEAKING	AS	3.0	4:00- 6:40P	MW	STEELE, WILLIAM P
			THIS IS AN ITV COURSE RECEIVE SITE.					
P1138	THE 170F	LEC	PUBLIC SPEAKING	AS	3.0	7:00- 9:40P	TTH	KINNE, CHRISTENIA
P1141	THE 170F	LEC	PUBLIC SPEAKING	AS	3.0	4:00- 6:40P	MW	STEELE, WILLIAM P
			THIS IS AN ITV COURSE ORIGINATION SITE.					
P2139	THE 170F	LEC	PUBLIC SPEAKING	AS	3.0	7:00-10:15P	TWTH	ROOTES, MINOR
P2140	THE 170F	LEC	PUBLIC SPEAKING	AS	3.0	12:30- 3:45P	MTW	STUMP, WALTER R
P4299	THE 170F	LEC	PUBLIC SPEAKING	AS	3.0	7:00- 9:40P	TTH	KINNE, CHRISTENIA
P5147	THE 170F	LEC	PUBLIC SPEAKING	AS	3.0	12:30- 3:45P	TTH	TBA
P7143	THE 299	LEC	INTRO TO BALLET	AS	3.0	6:00- 8:40P	MW	SALMON, NANCY C
			THIS COURSE MEETS JUNE 19-AUGUST 2					
G7144	THE 398	PRA	THEATRE INTERNSHIP	AS	VAR			TBA
NEW ENGLAND STUDIES			JOSEPH CONFORTI		11 GRANITE STREET			(780-4920)
ALL STUDENTS WHO HAVE NOT BEEN ACCEPTED INTO THE NEW ENGLAND STUDIES PROGRAM MUST HAVE WRITTEN PERMISSION FROM THE DIRECTOR BEFORE TAKING ANY NEW ENGLAND STUDIES COURSE.								
P1098	NES 626	LEC	CULT, THGHT, & N.E. LIT II	AS	3.0	7:00- 9:40P	MW	CONFORTI, JOSEPH A
P1547	NES 650	LEC	WRITERS OF NORTHERN NEW ENG	AS	3.0	7:00- 9:40P	TTH	MCNAIR, W
P7099	NES 690	IND	PROJECT I	AS	3.0			TBA
P7100	NES 695	THE	THESIS	AS	3.0			TBA

SCHOOL OF BUSINESS, ECONOMICS, AND MANAGEMENT

ACCOUNTING			PHILIP JAGOLINZER		216 LUTHER BONNEY HALL			(780-4304)
P2333	ACC 201	LEC	PRINCIPLES FINANCIAL ACCOUN	BU	3.0	12:30- 3:45P	MTW	TBA
P6334	ACC 202	LEC	PRINCIPLES OF MANAGEMENT AC	BU	3.0	12:30- 3:45P	MTW	TBA
P7335	ACC 395	PRA	INTERNSHIP I	BU	VAR			SANDERS, THOMAS B
P7336	ACC 396	PRA	INTERNSHIP II	BU	VAR			SANDERS, THOMAS B
P7337	ACC 490	IND	INDEPENDENT READ&RESEARCH	BU	VAR			JAGOLINZER, PHILIP
BUSINESS			CHARLES GREENE		212 LUTHER BONNEY HALL			(780-4300)
P1461	BUS 280	LEC	LEGAL ENVIRON OF BUSINESS	BU	3.0	4:00- 6:40P	MW	PERSONS, ALICE N
P7338	BUS 320	LEC	BUSINESS FINANCE	BU	3.0	3:00- 5:30P	MTW	SANDERS, THOMAS B
			THIS COURSE MEETS JULY 2-JULY 31					
P1339	BUS 327	LEC	INVESTMENT MANAGEMENT	BU	3.0	1:00- 3:40P	TTH	RICHARDSON, LINDA L
P1340	BUS 340	LEC	PRINCIPLES OF MANAGEMENT	BU	3.0	7:00- 9:40P	TTH	GROVER, RICHARD A
P7341	BUS 340	LEC	PRINCIPLES OF MANAGEMENT	BU	3.0	8:30-11:10A	MW	GROVER, RICHARD A
			THIS COURSE MEETS MAY 14-JUNE 27					

LOC/ CRN	COURSE	TYP	TITLE	COL	CRED HRS	TIME	DAYS	INSTRUCTOR
P2342	BUS 360	LEC	MARKETING	BU	3.0	8:15-11:30A	MTW	BOYLE, CONRAD
P3343	BUS 367	LEC	MANAGERIAL MARKETING	BU	3.0	8:15-11:30A	MTW	BOYLE, CONRAD
P6344	BUS 375	LEC	PRODUCTION/OPERATION MGT	BU	3.0	8:15-11:30A	MTW	KRENZIN, KENNETH T
P7345	BUS 395	FIE	COOP EDU-BUS ADMIN I	BU	VAR			BOYLE, CONRAD
P7346	BUS 396	FIE	COOP EDU-BUS ADMIN II	BU	VAR			BOYLE, CONRAD
P3447	BUS 450	LEC	BUSINESS MGT AND POLICY	BU	3.0	8:15-11:30A	MTW	TBA
P7448	BUS 490	IND	INDEPENDENT READ&RESEARCH	BU	VAR			GREENE, CHARLES
P7449	MBA 605	LEC	INTERNATIONAL BUSINESS	BU	3.0	6:30- 9:30P	MTW	SANDERS, THOMAS B
			THIS COURSE MEETS JULY 2-JULY 31					
P1472	MBA 627	LEC	INVESTMENT MANAGEMENT	BU	3.0	6:00- 8:45P	TTH	RICHARDSON, LINDA L
P7450	MBA 691	IND	INDEPENDENT STUDY	BU	VAR			ANDREWS, BRUCE H

ASSOCIATE BUSINESS PROGRAM JOEL GOLD 213 LUTHER BONNEY HALL (780-4301)

P7455	ABU 100	LEC	INTRODUCTION TO BUSINESS	BU	3.0	2:15- 5:30P	TWTH	GOLD, JOEL I
			THIS COURSE MEETS MAY 14-JUNE 11					
P7456	ABU 221	LEC	PRINC OF REAL ESTATE	BU	3.0	8:30-11:45A	MWF	KUCSMA, MICHAEL C
			THIS COURSE MEETS MAY 14-JUNE 11					
P3457	ABU 227	LEC	INTRO TO STOCKS AND BONDS	BU	3.0	8:15-11:30A	MTW	GOLD, JOEL I
P4458	ABU 260	LEC	MARKETING	BU	3.0	4:00- 6:40P	TTH	AIELLO, FREDERIC
P7459	ABU 271	IND	INDEPENDENT STUDY	BU	VAR			GOLD, JOEL I
P7460	ABU 285	PRA	ABA WORK INTERNSHIP	BU	3.0			GOLD, JOEL I

ECONOMICS JOSEPH MEDLEY 316 LUTHER BONNEY HALL (780-4293)

P1451	ECO 201J	LEC	PRINC OF ECONOMICS I	BU	3.0	7:00- 9:40P	MW	MCKEIL, RICHARD L
P2452	ECO 201J	LEC	PRINC OF ECONOMICS I	BU	3.0	8:15-11:30A	MTW	HILLARD, MICHAEL G
P2453	ECO 202J	LEC	PRINC OF ECONOMICS II	BU	3.0	8:15-11:30A	MTW	MCKEIL, RICHARD L
P7454	ECO 490	IND	INDEPENDENT READ & RESEARCH	BU	VAR			MEDLEY, JOSEPH E

COLLEGE OF EDUCATION

PROFESSIONAL EDUCATION PAULA HODGDON 203 HILL GYM (780-5431)

G2474	EDU 200	LEC	STUDIES-EDUC FOUNDATIONS	ED	3.0	8:15-11:30A	MTW	MORRILL, DAVID
G2475	EDU 200	LEC	STUDIES-EDUC FOUNDATIONS	ED	3.0	12:30- 3:45P	MTW	COLUCCI, NICHOLAS D
G2484	EDU 210	LEC	THEORETICAL FOUND LEARN	ED	3.0	12:30- 3:45P	MTW	NEUBERGER, HAROLD T
G6476	EDU 210	LEC	THEORETICAL FOUND LEARN	ED	3.0	12:30- 3:45P	MTW	NEUBERGER, HAROLD T
G1477	EDU 305	LEC	TEACH ELEM SCHOOL MATH	ED	3.0	4:00- 6:40P	MW	TBA
G1478	EDU 305	LEC	TEACH ELEM SCHOOL MATH	ED	3.0	12:30- 3:15P	TTH	TBA
G2485	EDU 308	LEC	SCIENCE FOR CHILDREN	ED	3.0	8:15-11:30A	MTW	NEUBERGER, HAROLD T
G6479	EDU 308	LEC	SCIENCE FOR CHILDREN	ED	3.0	8:15-11:30A	MTW	NEUBERGER, HAROLD T
G2480	EDU 312	LEC	TEACH LANGUAGE ARTS	ED	3.0	8:15-11:30A	MTW	COSTELLO, MELISSA H
G5481	EDU 321	LEC	DEVELOPMENTAL READING II	ED	3.0	8:15-11:30A	TTH	LUNT, WALTER N
G7482	EDU 323	IND	INDEPENDENT STUDY	ED	VAR			COLUCCI, NICHOLAS D
G1483	EDU 335	LEC	EXCEPT STUDENT IN CLASSROOM	ED	3.0	4:00- 6:40P	MW	KIMBALL, WALTER H
G4564	EDU 336	LEC	CHILDREN'S LITERATURE	ED	3.0	4:00- 6:40P	TTH	SOULE, MARGARET M
G7472	PHE 102	PE	INDEPENDENT ACTIVITIES	ED	VAR			HODGDON, PAULA
G2473	PHE 304	LEC	HEALTH & PE ELEM TEACHER	ED	3.0	8:15-11:30A	MTW	ZIMMERMAN, T JEAN

HUMAN RESOURCE DEVELOPMENT WILLARD CALLENDER 411 BAILEY HALL (780-5066)

G7501	HRD 333J	LEC	HUMAN GROWTH & DEVELOPMENT	ED	3.0	12:30- 3:45P	MW	MORRILL, DAVID
			THIS COURSE MEETS MAY 14-JUNE 29					
P1486	HRD 333J	LEC	HUMAN GROWTH & DEVELOPMENT	ED	3.0	4:00- 6:40P	TTH	PETNOV, TERRI
P4498	HRD 333J	LEC	HUMAN GROWTH & DEVELOPMENT	ED	3.0	7:00- 9:40P	TTH	PETNOV, TERRI
G1487	HRD 600	LEC	ADULT EDUC & HUMAN RESOU	ED	3.0	4:00- 6:40P	MW	CALLENDER, W D.
G1488	HRD 603	LEC	CONSULTATION	ED	3.0	7:00- 9:40P	TTH	STEEGE, M
G1489	HRD 607	LEC	INTRO TO SCH GUID SERVICE	ED	3.0	4:00- 6:40P	TTH	SOUTHWORTH, ROBERT S
G1490	HRD 608	LEC	CAREER DEVELOPMENT	ED	3.0	4:00- 6:40P	MW	VANZANDT, Z
G1491	HRD 620	LEC	FUND OF COUNS SKILLS	ED	3.0	7:00- 9:40P	MW	PAINTER, LINDA C
G1492	HRD 621	LEC	FUND OF COUNS THEORIES	ED	3.0	4:00- 6:40P	TTH	STEVENS, REID D
G5499	HRD 622	LEC	COUNSELING YOUNG CHILDREN	ED	3.0	8:15-11:30A	MW	FREUNDLICH, JAMES H
G1493	HRD 626	LEC	GROUP PROCESS & PROCEDURE	ED	3.0	7:00- 9:40P	TTH	PAINTER, LINDA C
G1494	HRD 626	LEC	GROUP PROCESS & PROCEDURE	ED	3.0	4:00- 6:40P	MW	STEVENS, REID D
G1495	HRD 627	LEC	GROUP COUNSELING	ED	3.0	7:00- 9:40P	TTH	SOUTHWORTH, ROBERT S
G7502	HRD 628	LEC	INTRO:MARRIAGE&FAMILY COUNC	ED	3.0	4:00- 7:15P	TWTH	TBA
			THIS COURSE MEETS JULY 17-AUGUST 11					
G4519	HRD 661	LEC	LIFE SPAN DEVELOP II	ED	3.0	7:00- 9:40P	MW	TBA

LOC/ CRN	COURSE	TYP	TITLE	COL	CRED HRS	TIME	DAYS	INSTRUCTOR
G7505	HRD 662	LEC	THEORIES OF HUMAN DEVELOPEME	ED	2.0	7:00- 9:30P	T	DAVIS, CAROL LYNN
	THIS COURSE MEETS MAY 15-JULY 17							
G7506	HRD 663	LEC	CHILD & ADOLESCENT DEVELOPM	ED	2.0	7:00- 9:30P	TH	DAVIS, CAROL LYNN
	THIS COURSE MEETS MAY 31-AUGUST 2. PREREQ:HRD 662 OR PERMISSION.							
G7507	HRD 663	LEC	CHILD & ADOLESCENT DEVELOPM	ED	2.0	4:00- 6:30P	M	DAVIS, CAROL LYNN
	THIS COURSE MEETS MAY 14,21,JUNE 4,11,18,25,JULY 2,9,16 AND 23 PREREQ:HRD 662 OR PERMISSION OF INSTRUCTOR							
G7508	HRD 664	LEC	CULTURE, TRAD & THE LIFE CY	ED	2.0	4:00- 6:30P	TTH	ATKINSON, ROBERT G
	THIS COURSE MEETS MAY 22,24,29,30,JUNE 7,14,21,28,JULY 5 AND 12							
G1497	HRD 665	LEC	PSY MEASURE & EVALUATION	ED	3.0	4:00- 6:40P	MM	SUTTON, JOHN M
G7510	HRD 680	LEC	INSTITUTE IN GROUP COUNSELI	ED	3.0	8:00- 4:30P	MTWTHF	CARROLL, MARGUERITE
	THIS COURSE MEETS JUNE 18-JUNE 22. PREREQ:HRD 626/627							
G7511	HRD 683	LEC	ADOLESCENT DEPRESSION&SUICI	ED	3.0	8:00- 4:30P	MTWTHF	CARROLL, MARGUERITE
	THIS COURSE MEETS JUNE 25-JUNE 29							
G7512	HRD 686	PRA	INTERNSHIP IN COUNSEL EDU	ED	VAR			SUTTON, JOHN M
	THIS COURSE MEETS MAY 14-AUGUST 24							
G7513	HRD 687	PRA	INTERNSHIP IN ADULT EDUC	ED	VAR			BRADY, E MICHAEL
	THIS COURSE MEETS MAY 14-AUGUST 24							
G7516	HRD 698	IND	DIRECTED STUDY IN HRD	ED	VAR			BRADY, E MICHAEL
G7517	HRD 699	IND	INDEPENDENT STUDY	ED	VAR			BRADY, E MICHAEL
G1496	HRDX644	LEC	ORGANIZATIONAL DEVELOPMENT	ED	3.0	4:00- 6:40P	TTH	TBA
G7509	HRDX668	LEC	FAMILY SYSTEMS	ED	3.0	12:30- 3:45P	MW	VESS, SUSAN M
	THIS COURSE MEETS JUNE 25-AUGUST 1							
G7514	HRDX693	PRA	PRAC LIFE STUD:AUTO & MYTH	ED	2.0	7:00- 9:30P	TTH	ATKINSON, ROBERT G
	THIS COURSE MEETS MAY 22,24,29,30,JUNE 7,14,21,28,JULY 5,12							
G7515	HRDX696	LEC	COUNSELOR SUPERVISION	ED	3.0	8:00-12:00P	MTWTHF	VANZANDT, Z
	THIS COURSE MEETS JULY 9-JULY 20							

PROFESSIONAL DEVELOPMENT CENTER GEORGE LYONS 305 BAILEY HALL (780-5326)

X7248	EDU 501	LEC	INTERNATIONAL SEMINAR	ED	3.0	8:30- 6:00P	MTWTHF	SMITH, CHARLES F
	THIS COURSE MEETS JUNE 28-JULY 16							
G7250	EDW 472	LEC	NEWSPAPERS IN EDUCATION	ED	3.0	8:30- 4:30P	MTWTHF	TBA
	THIS COURSE MEETS JUNE 25-JUNE 29							
G7257	EPD 503	LEC	ARTS EDUCATION INSTITUTE	ED	3.0	8:30- 4:30P	MTWTHF	MOORE, JOANNA
	THIS COURSE MEETS JULY 16-JULY 20							
G7253	EPD 511	LEC	MIDDLE SCHOOL INSTITUTE	ED	3.0	8:30- 3:30P	MTWTHF	FOSTER, CHERIE MAJOR
	THIS COURSE MEETS JULY 16-JULY 20. THIS IS A FEE COURSE. CONTACT THE PROFESSIONAL DEVELOPMENT CENTER AT 780-5326.							
G7252	EPD 520	LEC	SOUTHERN ME WRITING PROJECT	ED	6.0	8:30- 3:30P	MTWTHF	LYONS, GEORGE
	THIS COURSE MEETS JUNE 25-JULY 13							
P7542	EPD 555	LEC	GIFTED:ARTISTIC ABILITIES	ED	3.0	8:30- 4:30P	MTWTHF	TBA
	THIS COURSE MEETS AUGUST 13-AUGUST 17							
G7262	EPD 586	LEC	LITERACY LEARNING:YOUNG CHI	ED	3.0	8:30- 4:00P	MTWTHF	TBA
	THIS COURSE MEETS AUGUST 6-AUGUST 10							
P7255	EPD 591	LEC	GIFTED CHILD:STRESS COMPETI	ED	3.0	8:30- 4:30P	MTWTHF	TBA
	THIS COURSE MEETS JULY 23-JULY 27							
P7254	EPD 592	LEC	MULT TALENTS:GIFTED CHILD	ED	3.0	8:30- 3:30P	MTWTHF	TBA
	THIS COURSE MEETS JULY 16-JULY 20							
P7258	EPD 599	LEC	GIFTED HANDICAPPED CHILD	ED	3.0	8:00- 4:30P	MTWTHF	TBA
	THIS COURSE MEETS AUGUST 6-AUGUST 10							
G7259	EPDI530	LEC	STORYTELLING	ED	3.0	8:30- 3:30P	MTWTHF	PENTILESCU, MARK
	THIS COURSE MEETS JUNE 25-JUNE 29							
G7261	EPDI534	LEC	USM LEADERSHIP SYMPOSIUM	ED	3.0	8:30- 3:30P	MTWTHF	GOLDSBERRY, LEE F
	THIS COURSE MEETS JULY 16-JULY 21							
G7469	EPDI539	LEC	CONSULT TEACH CERT COMPETEN	ED	3.0	8:30-12:30P	MTWTHF	TBA
	THIS COURSE MEETS JULY 30-AUGUST 9. THIS IS A FEE COURSE. CONTACT THE PROFESSIONAL DEVELOPMENT CENTER AT 780-5326.							
G7470	EPDI542	LEC	LEGAL & ETHICAL PRACTICES	ED	3.0	8:30- 4:30P	MTWTHF	TBA
	THIS COURSE MEETS JULY 23-JULY 27							
P7256	EPDI561	LEC	LAW RELATED EDU/LAW IN MIND	ED	3.0	8:30- 5:45P	MTWTHF	TBA
	THIS COURSE MEETS JULY 9-JULY 21. THIS IS A FEE COURSE. CONTACT THE PROFESSIONAL DEVELOPMENT CENTER AT 780-5326.							
G7263	EPDI590	LEC	CREATING COMMUN IN EDU ENV	ED	3.0	8:30- 3:30P	MTWTHF	TBA
	THIS COURSE MEETS JULY 9-JULY 13							
G7264	HRD 645	LEC	GERONT INST:AGING&LIFE REVI	ED	3.0	8:00- 4:30P	MTWTHF	BRADY, E MICHAEL
	THIS COURSE MEETS JUNE 11-JUNE 15							
G7504	HRDX646	LEC	INST ADULT ED:INTERNATIONAL	ED	3.0	8:00- 4:30P	MTWTHF	TBA
	THIS COURSE MEETS JUNE 17-JUNE 21. THIS IS A FEE COURSE. CONTACT M. BRADY AT 780-5312.							

LOC/ CRN	COURSE	TYP	TITLE	COL	CRED HRS	TIME	DAYS	INSTRUCTOR
PROFESSIONAL EDUCATION								
				CHARLES SMITH		507 BAILEY HALL (780-5301)		
P7529	EDU 510	LEC	DEVELOP COMPOSITION PROCESS	ED	3.0	8:15-11:30A	MTWTH	BENEDICT, SUSAN
THIS COURSE MEETS JULY 2-JULY 20								
G7533	EDU 515	LEC	TEACH WRITING:MIDDLE/SEC LE	ED	3.0	8:15-11:30A	MTWTH	MACARTHUR, SUSANNE G
THIS COURSE MEETS JULY 2-JULY 20								
G7535	EDU 524	LEC	SUPERVISED PRACT RDG DIS	ED	3.0			TBA
G7532	EDU 529	LEC	READING & WRITING WORKSHOP	ED	6.0	8:00-12:00P	MTWTH	O'DONNELL, MICHAEL P
THIS COURSE MEETS JUNE 25-AUGUST 3. PREREQ: EDU 510,620,621								
G1520	EDU 600	LEC	RESEARCH METHODS & TECHNIQ	ED	3.0	4:00- 6:40P	TTH	COHEN, LIBBY
G5500	EDU 600	LEC	RESEARCH METHODS & TECHNIQ	ED	3.0	8:15-11:30A	TTH	STEEGE, M
G7518	EDU 600	LEC	RESEARCH METHODS & TECHNIQ	ED	3.0	12:30- 3:45P	TTH	VESS, SUSAN M
THIS COURSE MEETS JUNE 26-AUGUST 2								
G7551	EDU 600	LEC	RESEARCH METHODS & TECHNIQ	ED	3.0	8:15-11:30A	TTH	VESS, SUSAN M
THIS COURSE MEETS JUNE 26-AUGUST 2								
G7539	EDU 603	LEC	ANALYSIS OF TEACHING	ED	3.0	8:30-12:00P	MTWTH	KULAWIEC, EDWIN P
THIS COURSE MEETS JULY 2-JULY 19								
G1536	EDU 604	LEC	CURRICULUM DEVELOPMENT	ED	3.0	4:00- 6:40P	MW	BROYLES, INDIA L
G5548	EDU 604	LEC	CURRICULUM DEVELOPMENT	ED	3.0	8:15-11:30A	MW	GRANT, SCOTT
G1537	EDU 610	LEC	CRITICAL ISSUES:TCHG/LEARNI	ED	3.0	4:00- 6:40P	TTH	AMOROSO, HENRY C
G1528	EDU 621	LEC	LIT PROB: ASSESS & INSTRUC	ED	3.0	4:00- 6:40P	MW	AMOROSO, HENRY C
G4531	EDU 622	LEC	LANG/LITERACY YOUNG CHILD	ED	3.0	8:15-11:00A	MW	SMITH, SUSAN L
G7530	EDU 630	LEC	ORG LIT INSTRUC:ELEM/MIDDLE	ED	3.0	8:00-12:00P	MMF	FLEMING, COLLEEN
THIS COURSE MEETS JUNE 20,25,27,29,JULY 2,6,9,11 AND 13								
G7534	EDU 633	LEC	SPECIAL APPLIC IN READING	ED	VAR	8:15-11:30A	MTWTH	TBA
G1542	EDU 671	LEC	ORGANIZATIONAL BEHAVIOR	ED	3.0	4:00- 6:40P	MW	SMITH, CHARLES F
G7540	EDU 678	LEC	SCHOOL LAW	ED	3.0	5:30- 9:30P	TTH	HOYT, JOHN
THIS COURSE MEETS JUNE 12,14,19,21,26,28,JULY 3,5,10 AND 12								
G7541	EDU 678	LEC	SCHOOL LAW	ED	3.0	1:00- 5:00P	MMF	HOYT, JOHN
THIS COURSE MEETS JUNE 18,20,22,25,27,29,JULY 2,6,9 AND 11								
G7550	EDU 683	LEC	SCHOOL FINANCE	ED	3.0	5:30- 9:30P	MWTH	HOYT, JOHN
THIS COURSE MEETS JULY 16,18,19,23,25,30,AUGUST 1,2,6,AND 8								
G7526	EXE 601	LEC	EDU PROGRAM EXCEPT CHILD	ED	3.0	8:00-11:45A	MTWTHF	PRINCE, SANFORD J
THIS COURSE MEETS JULY 23-AUGUST 3								
G1521	EXE 615	LEC	CLASSROOM & BEHAVIOR MGMT	ED	3.0	4:00- 6:40P	MM	LYONS, CHARLES M
G7522	EXE 653	LEC	ASSESSMENT IN SPECIAL EDUC	ED	3.0			COHEN, LIBBY
THIS COURSE MEETS JULY 2,3,5,9,10,11,12,16,17,30,31--10:00 AM-1:30 PM								
G7523	EXE 684	LEC	ADMINISTRATION IN SPEC ED	ED	3.0	8:00- 4:00P	MTTHFS	LYONS, CHARLES M
THIS COURSE MEETS JULY 2,3,5,6,7								
G7527	EXE 687	LEC	TECH IN SPEC EDU & REHAB	ED	3.0	9:00- 3:30P	TWTHFS	SPENCINER, LORAIN
THIS COURSE MEETS JULY 10-JULY 14 AND JULY 31								
G4524	EXE 690	LEC	PSYCH OF ADOLESCENTS/DISABI	ED	3.0	4:00- 6:40P	TTH	BERNACCHIO, CHARLES
G1525	EXE 699	IND	DIRECTED STUDY	ED	VAR	4:00- 6:40P	MW	REES, TONI H

LEWISTON/AUBURN COLLEGE

51-55 WESTMINSTER STREET LEWISTON (783-4860)

L1244	HRD 333J	LEC	HUMAN GROWTH & DEVELOPMENT	ED	3.0	4:00- 6:40P	TTH	TBA
L7303	MAT 252	LEC	CALCULUS C	AS	4.0	8:00- 9:40A	MTTHF	CHABOT, MAURICE J
THIS COURSE MEETS MAY 14-JUNE 29. THIS IS AN ITV COURSE RECEIVE SITE.								
L1247	MOS 385	LEC	INTERNSHIP IN MOS	LA	3.0			TBA
L1246	MOS 404	LEC	FINANCE IN ORGANIZATIONS	LA	3.0	7:00- 9:40P	MM	TBA
L2301	NUR 407	LEC	LEADERSHIP IN HEALTH CARE	NU	2.0	8:15- 9:55A	MTW	PALTRON, MERLE H
L2461	NUR 407	LAB	LEADERSHIP IN HEALTH LAB	NU	2.0	10:00-12:00P	MTW	PALTRON, MERLE H
L7299	NUR 455	LAB	NURSING IV LAB	NU	4.0			TBA
L7300	NUR 456	LEC	CONCEPTS IN COMM HEALTH	NU	3.0			TBA
L1245	SBS 312	LEC	FOUNDATIONS IN CRIMINOLOGY	LA	3.0	7:00- 9:40P	MM	TBA

SCHOOL OF NURSING

NURSING			KATHLEEN MACPHERSON		MASTERTON HALL (780-4130)			
P1190	NFS 252	LEC	HUMAN NUTRITION	NU	3.0	4:00- 6:40P	TTH	BURSON, JANET Z
P1191	NUR 200	LEC	INTRO TO PROF NURSING	NU	3.0	4:00- 6:40P	MM	PALTRON, MERLE H
P1192	NUR 304	LEC	TRANSITION TO PROF ROLE	NU	5.0	8:00- 1:00P	TW	RODGERS, MARIANNE H
P1193	NUR 309	LEC	HEALTH ASSESSMENT	NU	3.0	1:00- 5:00P	TW	TIFFANY, JULIA C
P7195	NUR 395	IND	HOLISTIC HEALTH	NU	3.0	9:00- 5:00P	WTHF	SULLIVAN, JAMES V
THIS COURSE MEETS AUGUST 1,2, AND 3. THIS IS A FEE COURSE								
CONTACT SUMMER SESSION AT 780-4076.								
P2194	NUR 401	LEC	HEALTH RELATED RESEARCH	NU	3.0	5:15- 8:30P	MTW	NORMANDEAU, JEANNE T
L2301	NUR 407	LEC	LEADERSHIP IN HEALTH CARE	NU	2.0	8:15- 9:55A	MTW	PALTRON, MERLE H

LOC/ CRN	COURSE	TYP	TITLE	COL	CRED HRS	TIME	DAYS	INSTRUCTOR
L2461	NUR 407	LAB	LEADERSHIP IN HEALTH LAB	NU	2.0	10:00-12:00P	MTW	PALTROW, MERLE H
L7299	NUR 455	LAB	NURSING IV LAB	NU	4.0			TBA
L7300	NUR 456	LEC	CONCEPTS IN COMM HEALTH	NU	3.0			TBA

RECREATION & LEISURE STUDIES JAMES V SULLIVAN 220 PORTLAND GYM (780-4172)

P1196	REC 216	LEC	ADV FIRST AID & EMERG CARE	NU	3.0	4:00- 6:40P	TTH	JORDAN, PERCIVAL
P1203	REC 219	LEC	PERSONAL FITNESS	NU	3.0	7:00- 9:40P	TTH	DOWNING, THOMAS J

DEPARTMENT OF PUBLIC POLICY & MANAGEMENT RICHARD E BARRINGER 622 LAW SCHOOL (780-4380)

P1225	PPM 600	LEC	COMPUTING FUND-PUBLIC POL	PP	1.0	4:00- 7:00P M		COLGAN, CHARLES
P1224	PPM 668	LEC	HIST PRESERV THRU GROWTH MG	PP	3.0	4:00- 6:40P	TTH	HAWES, EDWARD
P7222	PPM 695	IND	INDEPENDENT STUDY	PP	3.0			TBA
P7223	PPM 696	PRA	INTERNSHIP	PP	VAR			TBA

SCHOOL OF APPLIED SCIENCE

APPLIED IMMUNOLOGY NEAL ROTE 105A SCIENCE BUILDING (780-4606)

P7265	AIM 630	LEC	MEDICAL IMMUNOLOGY	SC	3.0	7:00- 8:15P	MWF	ROTE, NEAL S
			THIS COURSE MEETS JUNE 1-AUGUST 31					
X7266	AIM 631	LAB	MEDICAL IMMUNOLOGY LAB	SC	3.0			ROTE, NEAL S
			THIS COURSE MEETS JUNE 1-AUGUST 31					
P7267	AIM 640	LEC	ADVANCED BIOSTATISTICS	SC	VAR			TBA
P7268	AIM 641	LEC	BIOL MARK HIGH RISK PREG	SC	VAR			TBA
P7269	AIM 642	LEC	COMP ANALYSIS BIOMED DATA	SC	VAR			TBA
P7270	AIM 643	LEC	COMPUTER APPLIC IN IMMUN	SC	VAR			TBA
P7271	AIM 644	LEC	CONCEPTS: BIOCHEM EPIDEM	SC	VAR			TBA
P7272	AIM 645	LEC	IMMUNOCYTOCHEMISTRY	SC	VAR			TBA
P7273	AIM 646	LEC	DEVELOP OF IMMUNOASSAYS	SC	VAR			TBA
P7274	AIM 647	LEC	ELECTTROPHOR & IMMUNOBLOTT	SC	VAR			TBA
P7275	AIM 648	LEC	ELECTRON MICROSCOPY	SC	VAR			TBA
P7276	AIM 649	LEC	FLOW CYTOMETRY	SC	VAR			TBA
P7277	AIM 650	LEC	FLUORESCENT MICROSCOPY	SC	VAR			TBA
P7278	AIM 651	LEC	SCIENTIFIC WRITING	SC	VAR			TBA
P7279	AIM 652	LEC	HIGH PERFORM LIQ CHROMAT	SC	VAR			TBA
P7280	AIM 653	LEC	HLA & ERYTHROCYTE TYPING	SC	VAR			TBA
P7281	AIM 654	LEC	HYBRIDOMA METHODOLOGY	SC	VAR			TBA
P7282	AIM 655	LEC	IMMUNOCHEM IN OCEANOGRAPHY	SC	VAR			TBA
P7283	AIM 656	LEC	IMMUNOELECTRONMICROSCOPY	SC	VAR			TBA
P7284	AIM 657	LEC	IMMUNOHEMATOLOGY	SC	VAR			TBA
P7286	AIM 659	LEC	LYMPHOCYTE SUBSETS	SC	VAR			TBA
P7287	AIM 660	LEC	PROTEIN PHENOTYPING	SC	VAR			TBA
P7288	AIM 661	LEC	PURIF ANTIGENS AND ANTIBODI	SC	VAR			TBA
P7290	AIM 663	LEC	T-CELL CLONING	SC	VAR			TBA
P7292	AIM 665	LEC	TISSUE CULTURE TECHNIQUES	SC	VAR			TBA
P7565	AIM 690	SEM	SEMINAR: JOURNAL CLUB	SC	1.0			TBA
P7294	AIM 698	THE	THESIS	SC	VAR			TBA

COMPUTER SCIENCE CHARLES WELTY 224 SCIENCE BUILDING (780-4499)

P1205	COS 160	LEC	STRUCT PROB SOLVE-PASCAL	SC	3.0	4:00- 6:40P	TTH	WELTY, CHARLES
P7206	COS 698	IND	MASTER'S PROJECT	SC	VAR			TBA

ENGINEERING JAMES SMITH 150 SCIENCE BUILDING (780-4297)

P4207	ELE 100	LEC	INTRO TO ENGINEERING	SC	3.0	8:00- 8:50A	TTH	KNUDSEN, DAVID W
						9:00- 1:00P	TTH	
P1208	ELE 210	LEC	ELECTRICAL NETWORKS I	SC	4.0	4:00- 6:40P	TTH	TBA
P1209	ELE 210	LAB	ELECTRICAL NETWORKS I LAB	SC	VAR	7:00- 9:00P	TTH	TBA

TECHNOLOGY RICHARD CARTER 101 INDUSTRIAL EDUCATION CENTER (780-5440)

G7211	IEP 699	IND	INDEPENDENT STUDY	SC	VAR			NANNAY, ROBERT W
G7212	IEV 460	IND	INDEPENDENT STUDY	SC	VAR			BAZINET, GREGORY P
G7213	IEV1310	LEC	METH & MAT INSTRUCT VOC EDU	SC	3.0	8:30- 4:00P	MTWTHF	BAZINET, GREGORY P
G1215	ITP 350	LEC	CONFERENCE LEADING	SC	3.0	7:00- 9:40P	MW	CARTER, RICHARD H
G1216	ITP 370	LEC	JOB WORK ANALYSIS	SC	3.0	7:00- 9:40P	TTH	TBA
G4217	ITP 380	LEC	PRINC OF INDUSTRIAL MGMT	SC	3.0	7:00- 9:40P	TTH	TBA

LOC/ CRN	COURSE	TYP	TITLE	COL	CRED HRS	TIME	DAYS	INSTRUCTOR
G1214	ITT 363	LEC	WOOD SCIENCE	SC	3.0	4:15- 7:00P	TTH	KIRK, ALBERT S
G7219	ITT 440	PRA	RELATED EXPER/INTERNSHIP	SC	VAR			CARTER, RICHARD H
			THIS COURSE MEETS MAY 14-AUGUST 17					
G7220	ITTI440	LEC	RELATED OCCUPATION EXPER	SC	VAR			TBA

DIVISION OF OFF-CAMPUS INSTRUCTION & ACADEMIC SUPPORT

LEARNING ASSISTANCE PROGRAM ROBERT LEMELIN 301 PAYSON SMITH HALL (780-4689)

P4188	ENG 009A	LEC	DEVELOPMENTAL ENGLISH	BS	3.0	7:00- 9:40P	TTH	SOULIERE, YVONNE LEMELIN, ROBERT
P1189	ENG 019	LEC	WRITTEN BUSINESS COMM	BS	3.0	7:00- 9:40P	TTH	

BATH/BRUNSWICK CENTER

B7226	HRD 333J	LEC	HUMAN GROWTH & DEVELOPMENT	ED	3.0	7:00- 9:45P	TTH	SANDBERG, CHARLES MI
			THIS COURSE MEETS JULY 3-AUGUST 16					
B7227	MAT 120D	LEC	INTRO TO STATISTICS	AS	3.0	7:00- 9:45P	MW	ESTES, ROBERT A
			THIS COURSE MEETS JULY 2-AUGUST 15					

SACO/BIDDEFORD CENTER

T4232	ABU 111	LEC	PRINC OF FINANCIAL ACCT I	BU	3.0	7:00- 9:40P	TTH	FREEMAN, ROBERT COJUC, JUAN-RICARDO
T1038	COM 102J	LEC	INTRO TO COMMUNICATION	AS	3.0	4:00- 6:40P	TTH	
			THIS IS AN ITV COURSE RECEIVE SITE.					
T4233	HRD 333J	LEC	HUMAN GROWTH & DEVELOPMENT	ED	3.0	7:00- 9:40P	TTH	BIRTOLO, PAT DELANEY CHABOT, MAURICE J
T7304	MAT 252	LEC	CALCULUS C	AS	4.0	8:00- 9:40A	MTTHF	
			THIS COURSE MEETS MAY 14-JUNE 29. THIS IS AN ITV COURSE RECEIVE SITE.					
T5228	OCE 100K	LEC	INTRO TO OCEANOGRAPHY	AS	3.0	8:15-11:30A	MW	GREGORY, C GREGORY, C
T5229	OCE 101K	LAB	OCEANOGRAPHY LAB	AS	1.0	8:15- 1:00P	TH	
T1230	SOC 100J	LEC	INTRODUCTION TO SOCIOLOGY	AS	3.0	7:00- 9:40P	TTH	ANSPACH, DONALD F
			THIS IS AN ITV COURSE RECEIVE SITE.					
T4231	THE 120F	LEC	FUND OF ACTING:MOVEMENT	AS	3.0	7:00- 9:40P	TTH	TBA

SANFORD CENTER

S1038	COM 102J	LEC	INTRO TO COMMUNICATION	AS	3.0	4:00- 6:40P	TTH	COJUC, JUAN-RICARDO
			THIS IS AN ITV COURSE RECEIVE SITE.					
S1234	ENG 100C	LEC	COLLEGE WRITING	AS	3.0	4:00- 6:40P	MW	STEPHENS, HELEN-RUTH BOSTON, ROBERT C
S1238	MAT 010	LEC	ELEMENTARY ALGEBRA	AS	3.0	7:00- 9:40P	MW	
S1239	MAT 105D	LEC	MATH FOR QUANT DEC MAKING	AS	3.0	7:00- 9:40P	MW	PARAS, TAXIA E CHABOT, MAURICE J
S7305	MAT 252	LEC	CALCULUS C	AS	4.0	8:00- 9:40A	MTTHF	
			THIS COURSE MEETS MAY 14-JUNE 29. THIS IS AN ITV COURSE RECEIVE SITE.					
S1297	SOC 100J	LEC	INTRODUCTION TO SOCIOLOGY	AS	3.0	7:00- 9:40P	TTH	ANSPACH, DONALD F
			THIS IS AN ITV COURSE RECEIVE SITE.					
S1298	THE 170F	LEC	PUBLIC SPEAKING	AS	3.0	4:00- 6:40P	MW	STEELE, WILLIAM P
			THIS IS AN ITV COURSE RECEIVE SITE.					
S1240	THE 290F	LEC	ORAL INTERPRETATION	AS	3.0	3:20- 6:00P	TTH	PENTILESCU, MARK

Note: Course Reference Number (CRN) contains the location and session of course (ex. G1222=Gorham course, session 1).

THE FACTS

Registration

General Policies Related to Undergraduate and Graduate Registration

Audits Students may register for courses on a noncredit basis. With a noncredit registration, the student may participate in classwork, but is not required to take examinations. A noncredit registrant should know, however, that state Departments of Education do not accept for certification or other purposes any course taken on a noncredit basis. An audit registrant is required to pay full tuition for the course.

Course Cancellation The University reserves the right to cancel courses in the case of low enrollment.

Degree Applications Students who expect to complete associate, baccalaureate, or graduate degree requirements this summer should submit an Application for Degree card. Such cards are available in the Registrar's Office.

Failure to Withdraw Penalty Failure to submit notice of withdrawal may result in a failing grade and a financial liability. Discussion with faculty members is not proper notification of change. In the case of a student withdrawal after the automatic grade "W" period, the student will receive a grade designation to be determined by the instructor.

Grades and Transcripts Grade reports will be mailed to students at their home address by the Registrar at the end of August. These grade reports represent the only notification to students of their performance in given courses.

Students who desire official documentation of work completed during a summer session must complete a Transcript Request form at the Registrar's Office. Transcripts will be updated with summer session work during the second week of September. Formal requests for transcripts needed before this date will be handled on an individual basis. The fee for a transcript to be used outside the University of Maine System is \$3.00 per copy. There is no charge for transcripts sent within the University system.

Independent Study All courses entitled Independent Study require the use of a special advance approval form, available upon request from the Registrar's Office or the Registration Services Offices. This form must be completed in advance of registration.

Registration (Changes) Students may not add a course after the second class has met. Changes to or from pass/fail, audit, and repeat must be done before the



second class meeting. To add or drop a course or make other changes after registration is completed, the student must complete the proper forms at the Registrar's Office on the Gorham campus or the Registration Services Office on the Portland campus.

Registration for pass/fail, audit, and repeat courses must be declared by the student at the time of registration.

Registration (Late) Students in attendance at the first and/or second class meeting must complete and submit registration forms not later than the second class meeting.

Variable Credits Students wishing to register for variable credit courses must complete a Variable Credit Approval form, obtain proper approval, and specify the credit hours for which they will register.

Maine Immunization Law Current Maine State Law requires all degree students (and non-degree students taking 12 or more credit hours), and who were born on or after January 1, 1957, to show proof of immunization against measles (rubeola), rubella, tetanus, and diphtheria BEFORE the student registers for classes. Any student who has already demonstrated proof of immunization to the University of Southern Maine does NOT need to show proof again.

Undergraduate Registration

Academically qualified students may take courses in the summer, even though they have not been accepted into a degree program. Before registering, students should read carefully the course prerequisites in the course description.

Advising Academic advising, if necessary, is available through the Advising Center in Payson Smith Hall on the Portland campus or the Advising Center in Corthell Hall on the Gorham campus. These centers provide academic advising to assist students in interpreting University curricula requirements and in making decisions regarding the appropriate selection of courses for which they may register.

Undergraduate Registration Procedures

Undergraduate Registration (walk-in) All students taking undergraduate courses may register in person at the Registration Services Office in Payson Smith Hall on the Portland campus or the Registrar's Office on the Gorham campus. This registration may be made through the second class meeting. Please note the office hours for registration in the Summer Hours, Offices and People section of this catalog.

Undergraduate Registration (phone-in, using VISA or MasterCard only) Students may register by telephone for

undergraduate courses and graduate courses except those offered by the School of Business, Economics and Management by calling the Registration Services Office at: 780-4408 or 1-800-492-0748 (within Maine). Please have your card number ready. Phone-in registration begins March 19.

Mail-in registrations for undergraduate and graduate courses are not accepted.

Graduate Registration

Students holding a baccalaureate degree may register for graduate courses (courses with a number of 500 or higher) even though they have not been accepted into a degree program, providing there is space in the course and that all course prerequisites have been satisfied. *Exception:* Due to national accreditation standards, no MBA graduate courses may be taken by individuals not meeting the "1050 rule." Contact the MBA Program for details on this restriction (780-4184).

Graduate Registration Procedures

Graduate Registration (walk-in) Walk-

in registrations will be processed from March 19 through the Friday preceding the beginning of each session. The procedures are as follows:

1. Complete registration worksheet.
2. Submit completed form to the Registrar's Office or Registration Services Offices.
3. Payment must be made to the Student Billing Office in Corthell Hall at the time of registration.

Students who elect to register for a course after the Friday before the session begins must attend the first and/or second class meeting and complete registration forms no later than the second class meeting. *Early registration is encouraged to avoid disappointment. Some classes are traditionally filled early.*

Graduate Admission To be admitted to a graduate program, an applicant must have received a baccalaureate degree from an accredited college or university and must show ability to pursue advanced study and research. All applicants, except those for the MBA program, are required to provide the results

of their performance on either the Graduate Record Examination or Miller Analogies Test. Applicants for the MBA program should present scores from the Graduate Management Admission Test in lieu of GRE scores or MAT scores.

An application is not considered complete until all the required transcripts, appropriate test scores, and letters of recommendation are on file. All material sent in support of an application for admission becomes the property of USM and will not be returned to the student.

For information regarding admission to any of USM's graduate programs contact:

Office of Graduate Affairs
University of Southern Maine
96 Falmouth Street
Portland, Maine 04103

For more information, contact: Graduate Education, 780-5306; School of Business, Economics and Management, 780-4184; School of Nursing, 780-4130; School of Law, 780-4346.

Community College of Maine

The Community College of Maine/Telecommunications Systems offers associate and baccalaureate courses via live, interactive television (one-way video and two-way audio). CCM/T courses are available at USM's off-campus centers in Bath/Brunswick, Saco/Biddeford, and Sanford. In addition, CCM/T courses may be offered at Kennebunk, Massabesic, Noble, and Wells High Schools. For a complete listing of courses by location contact any off-campus center or the Summer Session Office.



TUITION AND FEES



There are three types of tuition charged: undergraduate, graduate and law. Tuition charges are calculated by multiplying the number of credit hours attempted by the rate established. Courses being audited are included in this calculation.

Tuition Charges Per Credit Hour

Undergraduate	\$ 21.00
Graduate	\$ 76.00
Law	
Maine Resident	\$ 146.00
Non-Resident	\$ 292.00
NEBHE	\$ 182.50

Some specialized courses require payment of a fee in addition to tuition and are designated in the course schedule. For information, contact the Summer Session office.

Payment Procedures:

University charges are due at the time of registration. A \$25.00 late fee will be assessed if payment is not received.

Cash Cash payment may be made at the Student Billing Office or at an off-campus center. Cash should not be mailed.

Checks Checks should be made payable to the University of Southern Maine. The student's name and social security number should be shown on the check. If a check is returned for non-payment, a \$5.00 fee is charged.

Credit Cards The University accepts both MasterCard and Visa for payment of tuition and mandatory fees. No more than \$1,000 can be charged each semester and the minimum allowable transaction is \$25.00. Room and board charges cannot be paid with a credit card.

Third Party Payments The University will bill an employer or agency that guarantees the payment of a student's charges. The employer/agency must provide written payment authorization before the student registers. Conditional payment offers cannot be accepted.

Senior Citizen Tuition Waiver Maine residents who are age 65 or over may register for undergraduate courses and have the cost of tuition waived. Permission to enroll is granted on an individual basis if space is available in the course. A Senior Citizen Tuition Waiver must be completed at the time of registration. Proof of age and residence is required.

Adjustment of Charges

Students who withdraw are assessed charges in accordance with schedules established by the University of Maine System Board of Trustees. The date the Registrar receives written notification of withdrawal is used when calculating refunds. For more information, please consult the University catalog.

The charges listed above are in effect as of July, 1989. Tuition rates are established by the University of Maine System Board of Trustees. The University reserves the right to adjust these charges to respond to changing costs, state and/or federal legislative action and other matters. Such adjustment may be made any time prior to the date of final registration for a given academic term. A student acknowledges this reservation by applying for admission or registering for courses.

ACCOMMODATIONS AND DINING

On-Campus Accommodations

Living accommodations for Summer Session participants are available on the Gorham campus and at Portland Hall, 645 Congress Street, Portland during the entire Summer Session program (May 13-August 18). Rooms/suites may be rented on a nightly basis or for the duration of a summer course. Students who desire accommodations should submit the *Housing Reservation Request* (below) directly to the Residence Life Office to be certain of room availability. Full payment is required at the time of registration.

Housing rates are provided below. Residence Hall furnishings include a bed, desk, chair, closets, drawer space, and overhead lights. Study lights are not provided and it is recommended that you bring your own. In some cases a small dining table and chairs, and major kitchen appliances are provided. Bathrooms in Gorham are the community type and separate for men and women. All Portland Hall rooms/suites have in-unit baths. Pets are not permitted in residence halls. Health and fire regulations prohibit cooking in residence hall rooms. Cooking is permitted in Portland Hall suites.

Housing Rates

These rates are per person/per night. Residence Hall check-in and check-out time is 12 noon. Please note that single rooms are limited and are assigned on a first-come, first-served basis. Double rooms may be rented as singles by paying twice the double rate (when available).

	Gorham	Portland
Single	\$12.00	\$13.00
Double	\$10.00	\$11.00
Double as Single	\$20.00	22.00
Suite (2-person)	N/A	15.00
Suite (1-person)	N/A	30.00

* Linen is available for the entire length of the stay or for the remainder of a person's stay, but is not available on a night-by-night basis. The linen charge is \$1.25 per night and includes 2 sheets, 1 pillow with case, 1 blanket, 1 face cloth, and 3 towels. Linen is left in the room (beds are not made) and may be exchanged weekly.

On-Campus Dining

The University offers meals and/or snacks on both campuses according to the following schedule:

Portland Campus Center

Dates Open: May 14-August 17

Schedule: 7:30 a.m.-1:30 p.m.

Monday-Friday

Gorham Snack Bar or Dining Hall

Dates Open: July 1-August 10

Schedule: Sunday Dinner-Friday Lunch

The Gorham Dining Facility is available for walk-in service on a cash basis prior to July 1, when the facility is open for summer conferences. These times will be posted as known on the dining center door and in the lobby of Bailey Hall

The Portland Hall Dining Center will be available for walk-through service on a cash basis when the facility is open for summer conferences. These times will be posted in the lobby of Portland Hall.

Limited common cooking areas will be available for summer resident students' use in Robie/Andrews Hall on the Gorham Campus, and at Portland Hall.

Cash meal rates are not available at this time. Rates will be posted at check-in.

For more information regarding housing or dining services, please contact Residence Life at 780-5240.

Off-Campus Dining/Lodging and Camping

For information regarding off-campus services, contact: Maine Publicity Bureau or the Portland Chamber of Commerce, 142 Free Street, Portland, Maine, 207/772-2811



1990 Summer Semester Housing Reservation Request

(Please print or type all information)

Name _____

Address _____ City _____ State/Zip _____

Telephone (home) _____ (business) _____ Birthdate _____ Soc. Sec. No. _____

List any medical considerations that might affect room assignment _____

Type of room requested: single double double as single 2-person suite 1-person suite

Location: Portland _____ Gorham _____ Would you like a linen package yes no

Payment: _____ # of (nights/weeks) × _____ rate (daily/weekly) = _____

Total Enclosed _____

Name of preferred roommate (if applicable) _____ Date of arrival _____ Date of departure _____

Are you participating in an institute? yes no If so, what is the name of the institute? _____

Are you registered for a course? yes no If so, what is the name of the course? _____

Send reservation request along with payment (make check payable to University of Southern Maine) to:

Office of Residence Life, University of Southern Maine, 100 Upton Hall, 37 College Avenue, Gorham, Me. 04038 (207)780-5240

CAMPUS RESOURCES AND SERVICES

Parking

All faculty/staff and summer session student vehicles not previously registered for the 1989-90 academic year must be registered and display a valid decal.

Effective May 14, 1990, the vehicle registration fee will be \$3.00. All decals expire August 31, 1990.

Vehicles may be registered at the Business Office, Payson Smith Hall on the Portland campus, and at Police and Safety, Corthell Hall on the Gorham campus.

Bookstore

Both Portland and Gorham campus stores are open from 8:00 a.m. to 4:00 p.m., Monday through Friday. The stores will be open for extended hours at the beginning of several sessions. Please call to check for specific hours.

We will mail textbooks to any student who is unable to obtain textbooks within our regular business hours. There is a small handling charge for this service. Please call the Bookstore (780-4070, Portland or 780-5476, Gorham) to obtain the correct price, tax, and shipping fee, so that you may mail a check before USM Bookstores will ship the textbooks.

Please note: Textbooks for a Gorham campus course are located only in the Gorham Bookcellar, and the Portland course books are only in the bookstore on that campus.

Cash refunds for texts will be made if the following conditions are met:

1. Refunds will be made for a period of one week (5 working days) from the first day of class.

2. If a course is for less than one week, refunds will be made on the first day of class only.

3. All refunds must be accompanied by the cash register receipt and by class registration materials.

4. Books must be in new, resaleable condition unless purchased as used.

Library

Portland and Gorham Campuses

Monday-Thursday 8:00 a.m.-10:00 p.m.
Friday 8:00 a.m.-4:30 p.m.
Saturday 8:00 a.m.-4:30 p.m.
Sunday 12:00 noon-8:00 p.m.

Library Closed

Memorial Day Weekend: May 26, 27, 28
Independence Day: July 4

Educational Media Services

Portland Campus: 780-4280

Gorham Campus: 780-5356

Office Hours: Mon-Fri, 8:00 a.m.-4:30 p.m.

Classroom audio visual equipment needs available from 8:00 a.m. to 10:00 p.m. Weekend and special equipment needs by prior arrangements.

Academic Advising

There are two Advising Centers (one on each campus) to provide academic advising for students who are undeclared or undecided about a major, students who are "admitted with conditions," and non-degree students. The coordination of services for disabled students who have special needs also takes place in the Portland Campus Advising Center. For further information, contact the Advising Center in Payson Smith Hall on the Portland Campus (780-4040), or the Advising Center in Corthell Hall on the Gorham Campus (780-5340).

Counseling and Career Development

Through a staff of professional psychologists and counselors, the Counseling and Career Development office assists students with personal and career counseling needs. As part of these services, the office provides testing, career information, and referral as deemed appropriate.

The Department also acts as the coordinating office for internship opportunities related to academic majors. For more information contact: Counseling and Career Development, 101 Payson Smith Hall, 780-4050.

Off-Campus Centers

In its continuing effort to meet the needs of a diverse student population, the Division of Off-Campus Instruction and Academic Support administers centers in Bath-Brunswick, Saco-Biddeford, and Sanford. These centers provide easy geographic access to University courses and services. Various courses are offered at a variety of times during the day and evening to accommodate both full- and part-time students. Students may register for courses taught

at any USM location at the center most convenient for the student. Students may also phone in registrations if payment is made by VISA or MasterCard. For more information, contact the center nearest to you.

Bath-Brunswick Center
275 Bath Rd.
Brunswick, Me. 04011
(207)442-7070

Saco-Biddeford Center
Mill 2, Saco Island
Saco, Me. 04072
(207)282-4111

Sanford Center
72 Pleasant Street
Springvale, Me. 04083
(207)324-6012

Financial Aid

USM has limited financial resources to assist students with summer school expenses. All degree candidates enrolled for at least 6 hours may apply for Stafford Student Loans. Continuing students enrolled for at least 3 hours may apply for Summer College Work Study. Students eligible for Pell Grants and enrolled at least half time (6 hours) may use these funds to help pay for summer courses. Applicants must complete a Financial Aid Form (FAF) and submit 1989 tax return information to be considered for assistance. Application materials are available at the Student Financial Aid Office, Corthell Hall, Gorham campus, Room 115 Payson Smith Hall, Portland campus, and at all off-campus centers. Stafford Loan applications may be obtained from local banks, credit unions and savings and loan institutions.

Since it takes five to six weeks for the FAF to be processed, students must apply by March 1, 1990 to ensure notification of eligibility in time to meet summer charges. Late applicants are not eligible for deferment of charges.

For more information, contact the Student Financial Aid Office at 780-5250.

Veterans Affairs

The Office of Veterans Affairs is staffed by a full-time veterans coordinator. Veterans should contact the office, located in 106 Payson Smith Hall, for more information. (207) 780-4043.

DIVISION OF CONTINUING STUDIES

The Division of Continuing Studies is responsible for the development, coordination, and support of all noncredit programming at USM. Among the units within the Division offering programs during the 1990 Summer Session are the Department of Conferences, the Department of Continuing Education for Nursing and Health Professions, the Department of Community Programs, and Lifeline.

The Division awards Continuing Education Units (CEUs) for many courses offered in the various departments. CEUs are a nationally accepted measurement applicable to noncredit courses. Participants may attend many different programs while accumulating a nationally uniform permanent record.

Community Programs

The Department of Community Programs serves all segments of the community with a wide variety of noncredit programs designed for adults who want to develop their minds, find new careers, add meaning to their lives, or just have fun. Summer programs include the annual whalewatch, our Coasting Naturalist Expedition for teachers and the general public, and a variety of special events.

We also offer computer classes for all experience levels—from novice to professional. Our courses include Introduction to PC's, MS-DOS, Lotus 1-2-3, dBase, and WordPerfect. If you are unsure what kind of class you need—give us a call.

The Department of Community Programs is located at 68 High Street. Drop

by and we'll be happy to answer your questions about upcoming courses, or call 874-6500.

Lifeline

The USM Lifeline Center for Fitness, Recreation and Rehabilitation takes a comprehensive approach to total fitness through various exercise programs of prevention, intervention, and rehabilitation. Thousands of members of the Greater Portland community participate in a variety of activities ranging from walk/jog to cardiac rehabilitation. Programs are also offered in a variety of recreational activities.

All Lifeline activities are designed to promote positive lifestyle changes through education and exercise. Application to all programs should be made in advance. For further information, call the Lifeline Office at 780-4170.

Continuing Education for Nursing and Health Professions

The Department of Continuing Education for Nursing and Health Professions provides continuing education offerings for health professionals such as nurses, pharmacists, physical therapists, occupational therapists, dieticians, respiratory therapists, and others at locations throughout the state of Maine. Programs are offered using a variety of formats, including workshops, seminars, and evening courses. For more information, call 874-6550.

Tentative Summer Program Listing

- Nursing Research Day
- NCLEX-RN Review
- Health Care in the Camp Setting
- Legal Aspects of Hospice Care
- Trauma Conference
- High Tech Home Care

Department of Conferences

The primary goal of the Department of Conferences is to provide a forum for qualified resource people to share with others information, develop ideas, upgrade professional skills, and develop a greater understanding of current problems. The Department will provide specialized services to governmental agencies, professional organizations, private business, and community groups in the areas of program design, planning, and development.

The Department offers a total conference planning service. The staff will help in planning a program and its content. They can assist in selection of the following facilities and services: University residence/dining halls; University recreation facilities; cultural resources such as art galleries, summer theater, and concerts in the Greater Portland area; classroom auditorium facilities; referral to local motels for housing during the academic year; and area tourist facilities.

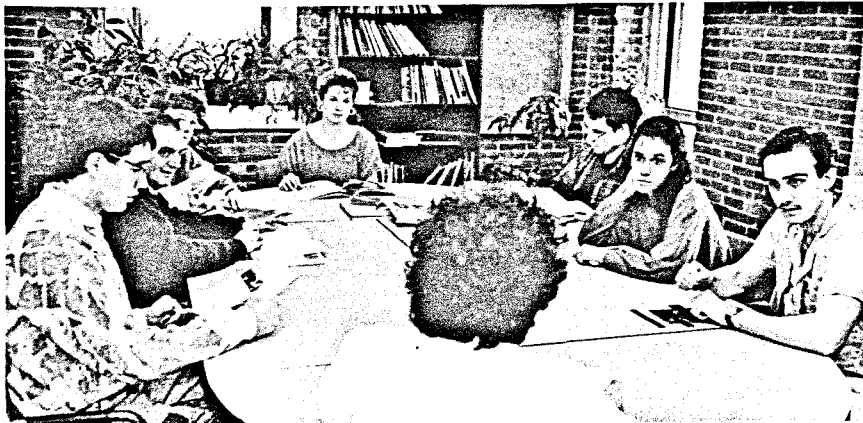
The Department will also assist in promotion and publicity; meeting facilities; registration services; special arrangements, including the selection of resource people; and post-conference evaluations, reports, and financial statements. For more information contact 874-6506.

Department of Continuing Education for Business

The Department provides noncredit courses and seminars designed to meet the training needs of both individuals and organizations, including companies, service groups, government agencies and professional associations. Most courses meet one evening per week for 6-12 weeks; seminars vary from half-day to two day events.

CEB is currently offering certificate programs in management studies, supervision, human resources management, and quality control. Courses are also taught in production and inventory control, executive housekeeping, and occupational safety and health. Seminars on a variety of business-related topics are scheduled throughout the year.

CEB programs and services are available for on-site delivery to meet specific needs of organizations. Additional information may be obtained by calling CEB at 874-6510.



COURSE DESCRIPTIONS

COLLEGE OF ARTS AND SCIENCES

Art

AED 412 Art Education Curriculum

This intensive workshop is designed for practicing art educators to plan and write coherent, sequential art curriculum for their school art programs. A wide variety of art curricular resources will be shared and critiqued. Cr 3.

ARH 111G Art History: Prehistoric to Medieval

Examination and discussion of the painting, sculpture and architecture from prehistoric cultures through the Middle Ages. The course emphasizes the relationship of the visual arts to social, political, religious and cultural trends, and introduces students to various methods of art historical interpretation. Cr 3.

ARH 112G Art History: Renaissance to Modern

A continuation of ARH 111G from the Renaissance through the 20th century. In both semesters of the course, examples of architecture and sculpture, paintings, etc. are used as the basis of inquiry. Cr 3.

ART 101G Approaches to Art

Selected experiences using original works, lecture, panel discussions, slides, films, and other means to confront the student with the significance of the visual arts in human history. The aim of the course is to involve students in direct experiences affecting their own perception of visual form. Cr 3.

ART 141F Fundamental Design I

A studio introduction to the basic elements of two-dimensional and color relationships. Cr 3.

ART 231 Ceramics

An introduction to methods and processes of clay forming, including modeling, pressing, handbuilding, and the potter's wheel. Emphasis on form and texture, with aspects of glaze composition and firing procedures. Prerequisite: Art Core course Cr 3.

ART 259 Landscape Drawing

This course will concentrate on drawing the landscape at Wolfe Neck Farm. Each day problems will be assigned which focus attention on fundamental aspects of the following: pictorial form and design; analysis of landscape structures and a study of light; atmosphere and the creating of space. Students planning to pursue a degree in art must take the Art Core prior to registering for this course. Cr 3.

ART 269 Landscape Painting

An investigation of the painting process as related to visual perception of the natural environment. This course will take place outdoors at Wolfe Neck Farm. Students planning to pursue a degree in art must take the Art Core prior to registering for this course. Cr 3.



ART 363 Painting/Watercolor

Watercolor, wash, dry-brush, ink and wash, gouache, and other techniques in watermedia. Emphasis on individual concepts and personal expression. Prerequisite: ART 261. Students planning to pursue a degree in art must take the Art Core prior to registering for this course. Cr 3.

ART 412 The Photographic Essay

This intensive course will explore how a group of photographs can interrelate to convey a personal view. The broadest possible definition of a photographic essay will be encouraged. We will consider the form that the work takes with respect to its subject and your point of view. Various aspects of working with more than one image will be discussed with respect to the series, the sequence, the physical qualities of the work, including the size, ordering, progression and movement. Bring camera, meter and black and white film to first class. Prerequisites: ART 271. Cr 3.

Arts and Sciences

ARS 124I Patterns in Comparative Religion

This course seeks to stimulate a broadened understanding of religion through an examination of such typical religious phenomena as rites associated with birth, life-stages, death, sacred times, sacred places, myths, and religious symbolism. Course materials, including lectures, readings, and other sources, will be drawn from the major religions of the world as well as from ancient and regional traditions. Throughout the course, particular emphasis will be given to a sympathetic, rather than judgmental, examination of religious traditions. No prerequisites. Cr 3.

Biology

BIO 105K Biological Principles I

An introduction to the structure and function of living systems from the cell to the ecological communities. Prerequisite: students must have fulfilled the University minimum proficiency requirements in writing and mathematics. Cr 3.

BIO 106K Laboratory Biology I

Laboratory experiences illustrating concepts and principles introduced in BIO 105K. Must be taken concurrently with BIO 105K. Three hours. Cr 15.

BIO 211 Human Anatomy and Physiology

The study of functional anatomy and physiology of the human. Prerequisite: grade of C or higher in BIO 105K. Cr 4.

BIO 212 Practical Human Anatomy and Physiology

Laboratory studies of the structure and functions of the human body including histology and physiology experiments. NOT open to those who have completed BIO 205. Prerequisite: grade of C or higher in BIO 106K; BIO 211 or concurrently. Cr 1.5.

BIO 281 Microbiology and Human Disease

Fundamentals of microbiology with emphasis on infectious diseases of people, including bacteria, rickettsia, fungi, viruses, protozoa and helminths. Prerequisites: grade of C or higher in BIO 105K, and college chemistry. Cr 3.

BIO 282 Microbiology and Human Disease Laboratory

Laboratory techniques in the cultivation, identification, and control of microorganisms. Prerequisites: BIO 281 or concurrently. Cr 2.

BIO 345 Pathophysiology

A study of the physiological, genetic, biochemical and environmental basis of noninfectious diseases. Prerequisite: grade of C or higher in BIO 211 or permission of instructor. Cr 3.

BIO 399 Field Marine Biology

This is an intensive course in the relationship of morphological and physiological adaptation to the ecological distribution of marine organisms. The course is an integrated field study/lecture/laboratory course designed to demonstrate how marine organisms are adapted to a variety of habitats in southern Maine (rocky shores, salt marshes, estuaries, mud flats, ocean). Field trips will be taken to the various habitats to determine the distribution of the biota in relation to physical conditions in the environment. Laboratory observations and experiments will demonstrate the morphological and physiological adaptations to their environment. Prerequisites: Two semesters of college Biology. This course will count toward Area I or Area II fulfillments for USM majors. Cr 6.

BIO 441 Problems in Biology

Independent library of laboratory studies on a special topic, as mutually arranged by instructor and student. Prerequisite: by arrangement. Credit Arranged.

Chemistry

CHY 101K Introduction to Chemistry

General topics in chemistry including introductory units on matter and its properties; measurement; elements and compounds; atomic structure; solutions, dispersions, and water; osmotic pressure; chemical bonds; chemical nomenclature; stoichiometry; radiochemistry; gases; acids, bases and buffers; and energy relationships in chemical processes. Three hours lecture per week (usually concurrent with CHY 102). Prerequisite: high school algebra and one year of high school chemistry (taken during the past five years) or a satisfactory grade level on the proficiency test administered by the Department. Not appropriate for science majors, pre-med, pre-vet or pre-dentistry. Cr 3.

CHY 102K Introduction to Laboratory Measurement

Experiments will be designed to teach students how to perform accurate and reliable measurements using the major parameters of mass and volume. Topics to be covered include: physical and chemical changes; separation of a mixture; analysis of an ionic solution; properties of water; gases; acids, bases and buffers; titration. One recitation and two laboratory hours per week. Corequisite: CHY 101. Not appropriate for chemistry or biology majors. Cr 1.

CHY 103 Introduction to Organic and Biochemistry

Stress will be placed upon topics of special importance for students of the health sciences: nomenclature of organic compounds; electron distribution in organic molecules; structural features of organic molecules; substitution, elimination, and addition reactions; oxidation reduction reactions; carbohydrates; lipids; proteins and amino acids; enzymes; nucleic acids; metabolism; summary of some aspects of nutrition; pharmaceuticals; medical applications of radiochemistry. Three lecture hours per week (usually concurrent with CHY 104). Prerequisite: grade of C or better in CHY 101. Not appropriate for science majors, pre-med, pre-vet or pre-dentistry. Cr 3.

CHY 104 Introductory Organic and Biochemistry Laboratory

Students will perform experiments to illustrate aspects of organic chemistry of importance to living systems, as well as elementary principles of biochemistry. Topics include separation and identification of organic compounds; qualitative reactions of lipids, proteins, and nucleic acids; introduction to enzyme chemistry. One recitation and two laboratory hours per week. Corequisite: CHY 103. Not appropriate for chemistry or biology majors. Cr 1.

CHY 115 Principles of Chemistry II

A presentation of topics of chemistry additional to those presented in CHY 113. This course is designed to provide a solid foundation for all further studies in chemistry and is a prerequisite for all upper-level chemistry courses. Prerequisite: grade of C or better in CHY 113. Cr 3.

CHY 116 Lab Techniques II

Laboratory experiments to illustrate the principles presented in CHY 115 lectures. One recitation and two laboratory hours per week. Prerequisite: grade of C or better in CHY 114. Corequisite: CHY 115. Cr 1.

CHY 411-416 Special Topics

Reading and discussion of advanced subjects or instruction in special topics/research. Permission of instructor required. 6 credits maximum. Cr 1-3.

CHY 490 Senior Research Project

Open to senior majors. Prerequisites include a 3.0 GPA in chemistry, completion of the Analytical and Organic Chemistry series, and permission of the department. 15 credits maximum. Cr 3-15.

Communication

COM 102J Introduction to Communication

This course is designed to provide students with a conceptual framework of the basic elements of human communication. Students will examine different levels of communication analysis, learn to chart and analyze communication behavior, and discuss the effects of communication on themselves and others. Topics discussed will include communication theory, self-concept, interpersonal communication, nonverbal behavior, small group interaction, and mass communication. Students will be encouraged to adapt communication principles to their various fields of endeavor. Cr 3.

COM 284 Introduction to Film

This course seeks to introduce the student to the aesthetics of film. It assumes that the student has no knowledge of cinema beyond the moviegoing experience. The aim of the course is to survey the fundamental aspects of cinema as an art form. Cr 3.

COM 310 Nonverbal Communication

A study of the effects of nonverbal factors on the process of human communication. Proxemics, body motion, paralanguage, metacommunication, and other specific areas of nonverbal behavior will be explored and examined. Each student will be required to conduct a research project and prepare a scholarly paper related to a particular area of nonverbal communication. Prerequisite: COM 102J or permission of the instructor. Cr 3.

COM 340 Small Group Communication

A discussion-participation course designed to familiarize students with the theories and techniques of small-group communication. Students will examine role behavior, group norms, conflict, group development, decision-making, communication flow, and other variables relevant to small-group interaction. Prerequisite: COM 102J. Cr 3.

COM 384 Theory of Film

The emergence and evolution of the film medium are traced through the writings and teachings of both the classic and the modern theorists/film-makers, from several perspectives: humanistic, ideological, and technical. The course focuses on the contributions of historical trends, film genres, major schools of thought, and the works of selected individuals in shaping a concept of what the medium of film is, how it operates as a language, how it relates to reality and what functions it serves. Students will apply these notions in their examination of the often conflicting relationship among the various theories as well as between film theory and film criticism. Prerequisite: COM 102J Cr 3.

COM 430 Communication Internship

An in-depth study of experiences in specific areas of communication conducted in the field. Students will focus their efforts in an area related to their choice of communication expertise (i.e., organizational communication, mass communication, intercultural communication). Prerequisite: a precise definition of the project, and director's consent. Pass/Fail only. Cr var.

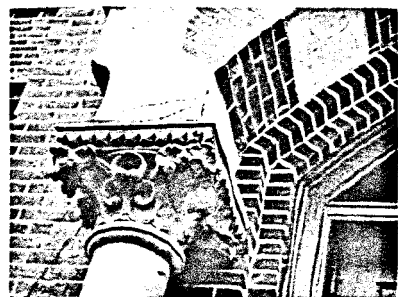
COM 484 Topics in Film: Women in Film

The specific topic explored during this course will be women in film. Films will be analyzed in the context of the political and ideological subtexts they contain. The purpose of the analysis or criticism is to understand a film and to be able to relate it to the society which it reflects and sometimes affects. Cr 3.

COM 485 Sex-Related Differences in Communication

This seminar on sex-related differences in communication is designed primarily to evaluate critically the research literature. It is concerned with whether or not males and females differ in their actions of sending, receiving, and interpreting messages. The course examines gender-role stereotyping, empirical findings on sex-related differences in communication behavior (e.g., talking, interpersonal style, touching, eye contact, etc.), and explanations for sex differences. Critiques of some major theoretical positions are discussed (e.g., sex differences in dominance, aggression, cognition, and brain organization). Prerequisite: junior or senior standing

Cr 3.



Core Curriculum

COR 119 The Illuminated Autobiography

An introduction to two creative processes—the visual and the literary. The course will explore the means (shared, specialized, and complementary) by which they communicate thematic content, and the transformation through which subjective discovery becomes accessible form. Students will develop a control of structural elements within and between the two disciplines sufficient to write, illustrate, design, and publish a limited autobiographical narrative. Prerequisite: ENG 100C and Skills of Analysis/Philosophy. Cr 3.

COR 124 Poverty in the United States of America

This course will examine social, economic, and historical dimensions of poverty. It will introduce students to concepts and ideas from various disciplines to promote their understanding about this controversial and widely misunderstood topic. We take it as axiomatic that poverty must be understood in the broader contexts of inequalities of class, status, power, ethnicity, gender, and race which typify advanced capitalist societies. Far from being restricted to a small minority, poverty affects a large segment of the population. Cr 3.

English

ENG 009A Developmental English

This course is designed to help students who need to develop proficiency to enter ENG 100, College Writing. ENG 009 is taken on a pass/fail basis. Credit earned in ENG 009 does not apply or accumulate for any degree program at the University of Southern Maine.

Cr 3.

ENG 019 Written Business Communication

This course introduces students to business communication strategies and provides practice in the application of those strategies using the case method. Students will discuss and write business letters, short and long reports and employment writing. Cr 3.

ENG 100C College Writing

Classes meet regularly to analyze professional and student writing as a way of sharpening awareness of how to use language effectively. The writing assignments encourage students to apply the principles discussed in class to their own work. Students may not take both ENG 100C and 101C for credit. This course cannot be used to satisfy a humanities requirement. Prerequisite: writing proficiency. Cr 3.

ENG 110E Straight and Crooked Thinking

This course offers the analysis, interpretation, and evaluation of various kinds of arguments and ways to reach logical decisions, with critical tracts, speeches, literary essays, scientific papers, and magazine articles. This basic course employs a new nonsymbolic approach to practical reasoning expressed in natural language; its emphasis is on direct application to realistic cases. Exercises and readings are designed to aid undergraduates in reports, essays, and term papers. The materials for critical analysis have a broad appeal for future lawyers, administrators, executives, business people, and scholars. Regular oral reports; brief written exercises in critical reasoning and analysis; final examination based on actual specimens of contemporary argument. Prerequisite: ENG 100C/101C or permission of instructor. Cr 3.

ENG 120H Introduction to Literature

A general introduction to the various literary genres — poetry, the short story, drama—which will include a study of critical terminology, close textual reading, and practice in writing. Prerequisite: ENG 100C or 101C or waiver. Cr 3.

ENG 201F Creative Writing

An introduction to the principles and practice of writing fiction, poetry, and drama. Emphasis is on fresh observation and meaningful selection of concrete details and their uses in the different genres. Recommended for beginners. Prerequisites: ENG 100C or 101C and ENG 120H. Cr 3.

ENG 262H Poetry

An intensive course in the close reading of many of the most significant poems in English. Attention will be given to important elements of poetry, including versification and the use of metaphor; characteristics and conventions of poetry written in different periods, early and contemporary, will also be explored. Required of English majors and recommended for all students seeking to understand a principal area of our cultural heritage. Cr 3.

ENG 263H Fiction

A survey of various forms and techniques of fiction, typically beginning with oral storytelling and traditional tales, but concentrating on types of narrative developed in the nineteenth and twentieth centuries, e.g., symbolic realism, the fable, magical realism, metafiction, and other experimental forms. The course also examines the distinction between "fiction" and "non-fiction" and between "literature" and popular genre fiction. Cr 3.

ENG 299 Third World Writing

This course will examine selected readings of short fiction and novels by writers from Africa and Latin America, notably the Nigerian fabulist Amos Tutuola (*My Life in the Bush of Ghosts*), Guatemalan Miquel Asturias (*Men of Maize, El Senior Presidente*) as well as the better known Gabriel Garcia Marquez (*Selected Stories*) and Chinua Achebe (*Things Fall Apart*). How does the occidental converge with the non-occidental way of telling stories? What historical and political conflicts can be located within or behind these works? Do they indicate some kind of universal myth? Cr 3.

ENG 309 Writing for Publication

This course is an introduction to writing markets with emphasis on preparing material for publication in one, or more, of these markets. Students are expected to generate, organize and complete works for publication. Instruction plus individual consultation is included. Cr 3.

ENG 300F Fiction Writing

This is a class for those who have already, in a course such as Creative Writing or on their own, written several pieces of fiction and are ready for more advanced work. Emphasis will be supportive rather than critical, with instruction in writing well-developed short stories and on understanding the basic elements of fiction. Suggested preparation: ENG 201F Cr 3.

ENG 302F Fiction Workshop: Short Stories

An advanced course requiring the completion of short stories. Course discussion will include emphasis on subject development, plot, technique and publication standards. This course is part of the Stonecoast Writers' Conference. Cr 3.

ENG 303F Poetry Workshop

A course for advanced students who, after experimenting with different approaches and styles, are developing their own themes and voices as poets. Class discussion will explore the initial motivation and circumstances behind a poem to clarify what the poem seeks to convey, and how well it touches the reader's emotions. Students may be called upon to write and revise poems. This course is part of the Stonecoast Writers' Conference. Cr 3.

ENG 304 Novel Workshop

This workshop is for writers whose fiction requires the space and scope of the novel. The course will examine ways of structuring complex material with special attention to the relations of parts to the whole. It will consider the problems—practical and creative—peculiar to sustaining a single creative effort over a long period of time, and such aids to organization as the outline, note systems, schedules. Students will present chapters and/or projected plans to the class in an atmosphere of supportive discussion and criticism. This course is part of the Stonecoast Writers' Conference. Cr 3.

ENG 315 Ancient Masterpieces

A study of selected major works of classical times which will provide students with a background for understanding the most influential books of our culture. Included are Homer, Plato, Greek dramas, Virgil. HON 101 The Ancient World satisfies the English Department requirement for this course. Cr 3.

ENG 316 The Bible

The Bible, the single most influential work (or groups of works) in Western culture, will be considered as a literary text. Under such headings as plot, character, genre, theme, and symbol, the Old and New Testaments in the Authorized or King James translation will be examined, with emphasis on the books that have had the greatest literary influence (e.g., Genesis, Exodus, Job, Matthew, Luke, Revelation). The course will also discuss the history of the text, translation, and influence. Cr 3.

ENG 360 Shakespeare

ENG 360 features close reading of five to seven Shakespearean plays, and focuses attention both on theatrical and philosophical meanings. ENG 360 often includes a section on Shakespearean's history plays, while ENG 361 includes a section of Shakespeare's "romances" (dramatic fairy tales). Both courses include tragedies and comedies.

ENG 371 Major Romantic Writers

A study of the major British poets and essayists of the Romantic period (approximately 1785-1832) and of the nature of the Romantic movement. Readings selected from among Blake, Burns, Wordsworth, Coleridge, Keats, Byron, Shelley, Lamb, DeQuincey, Beddoes, Hunt, Peacock, etc.; also Mary Shelley's *Frankenstein*. Cr 3.

ENG 380 American Renaissance

Major American writers of the mid-19th century. Includes critical study of major works by Emerson, Thoreau, Hawthorne, Melville, Whitman, and Dickinson with attention to the social and literary backgrounds. Cr 3.

ENG 387 Contemporary Women Writers

The focus of the course is on 20th-century novelists and/or poets. Specific readings and thematic approaches will vary depending on instructor. The course has been taught, for example, with an emphasis on the regional and ethnic cultures from which American women writers come, reading works by Kate Chopin, Willa Cather, Eudora Welty, Alice Walker, Toni Morrison, Maya Angelou, Leslie Silko, Maxine Kingston, Grace Paley, and Anne Sexton. Cr 3.

ENG 389 Writers of Maine

Historical and literary analysis of writers in and about Maine. The emphasis will be on the literary quality of the best-known men and women writers and the place in history both past and present of the lesser-known writers. Extra credit in the course will be given for a report about any off-campus project related to an author and a particular locality in Maine. English majors should have already taken a survey of American literature; prospective teachers will prepare an annotated bibliography of one author of their choice. Cr 3.

ENG 394 Modern Poetry

This course explores the tradition of experimentation in Dickinson, Frost and Stevens. It draws from a range of figures in an effort to bring into focus the achievement of such English and American figures as Dorn, Berryman, Arny Clampitt and Norman Dubie. Course content varies. Cr 3.

ENG 395 Anglo-Irish Literature

A study of the major Irish writers from 1880 to the present. Topics may vary, but they will typically include some of the foremost Irish writers of the past century, such as Yeats, Lady Gregory, Wilde, Shaw, Synge, Joyce, O'Casey, Behan, Beckett, O'Connor, Bowen, Lavin, Heaney, Friel. Cr 3.

ENG 327 The Contemporary Short Story

This is a seminar course, structured around the reading and discussion of a broad spectrum of American short stories, drawn from the last five decades. The theme for this exploration will be the social energy and the moral imagination inherent in the works themselves with emphasis on the transformation of these two forces within the story material. Cr 3.

Foreign Languages

Note: any students taking FRE 107, FRE 299, GER 107, SPA 107 or SPA 207 must register for both lecture and lab.

FRE 107 Intensive Beginning French

An intensive course for the beginning student, covering a full year's work at the college level to prepare the student for the intermediate level of college French. Emphasis is placed upon the four skills of language learning: speaking, understanding, reading, and writing along with an introduction to contemporary culture and civilization. Daily practice in the Language Lab is required. Cr 6.

(With lab. Cr 8.)

FRE 299 Intensive Intermediate French

This is an intensive course for the intermediate student, covering a full year's work at the college level to prepare the student for an advanced language level. Emphasis is placed upon the four skills of language learning: speaking, understanding, reading and writing. Readings and discussions of contemporary French civilization and culture are included. Daily lab work is mandatory. Cr 6 (With lab, Cr 8.)

GER 107 Intensive Beginning German

An intensive course for the beginning student, covering a full year's work at the college level to prepare the student for the intermediate level of college German. Emphasis is placed upon the four skills of language learning: speaking, understanding, reading, and writing along with an introduction to contemporary culture and civilization. Daily practice in the lab is required. Cr 6 (With lab, Cr 8.)

SPA 107 Intensive Beginning Spanish

An intensive course for the beginning student, covering a full year's work at the college level to prepare the student for the intermediate level of college Spanish. Emphasis is placed upon the four skills of language learning: speaking, understanding, reading, and writing along with an introduction to contemporary culture and civilization. Daily practice in the lab is required. Cr 6 (With lab, Cr 8.)

SPA 207 Intensive Intermediate Spanish

This is an intensive course for the intermediate student, covering a full year's work at the college level to prepare the student for an advanced language level. Emphasis is placed upon the four skills of language learning: speaking, understanding, reading and writing. Readings and discussions of contemporary Hispanic civilization and culture are included. Daily lab work is mandatory. Cr 6 (With lab, Cr 8.)

SPA 281H Masterpieces in Spanish American & Brazilian Literature

This course will focus on the documentary and the fictional in the Latin American novel with particular reference to the works of Alejo Carpentier (Cuba), Juan Rulfo (Mexico), Manuel Puig (Argentina). Cr 3.

Geography and Anthropology

ANT 101J Anthropology: The Cultural View

This course is a basic introductory survey of cultural anthropology. It examines the differences between cultures as well as cultural universals, and the relationship between social organizations, ideology, economics, and political structure in different types of societies. It reviews the various theoretical approaches in cultural anthropology's attempt to explain human behavior, presenting examples from "primitive," intermediate, and complex cultures through readings and films. This course is required for all majors concentrating in anthropology. Cr 3.

GEO 120J Geography of Maine

This course will examine Maine as a geographic region. Physical and cultural attributes of the state will be analyzed. Political, economic and demographic factors will be emphasized in viewing the assets and problems of the Maine environment, and in planning Maine's future. No prerequisites. Cr 3.

GYA 300 Archaeology Field School

The summer field school is designed to combine training in research methods of archaeology and geography. Students will receive intensive training in methods of site survey excavation and materials analysis. Several weeks will be spent at selected areas of coastal Maine involved in survey and excavation of sites, mapping sites and landscape features, and investigating potential food resources in site areas. This will be followed by some laboratory analysis of recovered materials. This course may be repeated up to twice with the permission of the instructor. Cr 6.

GYA 499 Historical Archaeology

See Special Programs section of this catalog

Geosciences

GEY 111K Physical Geology

A study of the ever-changing earth by wind, water, volcanism, plate tectonics, and glaciation. Three hours of lecture. GEY 111K may be taken without GEY 112K. Cr 3.

GEY 112K Physical Geology Lab

Identification of common rocks and minerals, introduction to topographic maps, and development of the processes covered in lecture; field trips when weather permits. To be taken concurrently with GEY 111K. Lab two hours. Cr 1.

GEY 299 Field Trips in Coastal Maine Geology

This is a field trip course that will tour coastal exposures in southern Maine to examine spectacular geologic features. Prerequisites: GEY 111K, equivalent experience or permission of instructor. Cr 3.

OCE 100K Introduction to Oceanography

Origin and extent of the oceans; nature of the sea bottom; causes and effects of currents and tides; chemical and physical properties of sea water; animal and plant life in the sea. Cr 3.

OCE 101K Oceanography Laboratory

A laboratory course in which the student is introduced to some of the techniques and technical processes involved in oceanic measurements and data reduction. Prerequisite: OCE 100K which may be taken concurrently. One two-hour laboratory session each week. Cr 1.

History

HTY 101I Western Civilization I

A basic survey and introduction to the heritage of Western man from ancient to early modern times. Particular attention is given to the ancient civilizations of Egypt, Greece, and Rome. Medieval civilization is explored with a focus on the institutions it bequeathed to the modern world. The Renaissance and Reformation and the rise of the great nation-states are studied. Throughout the course, important individuals are considered such as Alexander the Great, Caesar, Charlemagne, Michelangelo, and Elizabeth I. The course also introduces students to historical method. Cr 3.

HTY 102I Western Civilization II

A basic survey and introduction to the heritage of Western man from early modern times to the atomic age. Particular attention is given to the Enlightenment, the French Revolution, the rise of the industrial era, the growth of nationalism, and the World Wars. Personalities such as those of Napoleon, Hitler, and Stalin are studied. The course also introduces students to historical method. Cr 3.

HTY 131I United States History to 1877

A basic survey and introduction to the field of American history, covering the political, social, and economic development of the United States through Reconstruction. Cr 3.

HTY 132I United States History Since 1877

The course is a continuation of HTY 131I. A survey of American political, social, and economic development since about 1877. Cr 3.

HTY 162I Introduction to African History Since Partition

A survey of the Colonial era, the transformation of African societies, the rise of nationalist movements, wars of liberation, and early years of the new era of independence. Cr 3.

HTY 200 Reference, Research and Report Writing

An introduction to research and writing designed to prepare undergraduates for the requirements of upper-level courses in history and the social sciences with emphasis on practical methods of utilizing a library, locating materials, taking and organizing notes, and writing and rewriting research papers and reports. Cr 3.

HTY 360 History of Maine

A survey of Maine's social, economic, and political life from exploration and early settlement to the present. Cr 3.

HTY 361 History of the American Frontier

This course considers the Turner thesis, historiography, and adaptations to the challenges of the environment. Various frontiers from the Atlantic seaboard to the last frontier on the Great Plains are studied. Prerequisites: HTY 131I and HTY 132I or permission of instructor. Cr 3.

HTY 394 Christian Church in New Testament Times

This course will explore the origins and early history of the Christian Church within the dual contexts of Second-Temple Judaism and of the Roman Empire. The approach will be historical and analytical. Particular attention will be given to recovering the historical careers of Jesus and of Paul, to the development of ecclesiastical institutions, and to sectarianism and persecution. Cr 3.

HTY 399 History of Brazil

A basic survey and introduction to the field of Brazilian history from colonial beginnings to the present day. Special attention is given to such fundamental questions as periodization, confronting the conventional division of Colony, Empire and Republic with the dichotomy between a deeply rooted slave regime and gradual capitalist ascendancy. Emphasis is also placed on historiographical debate, especially as regards changes and continuities in the relations of domination which have bound together this vast nation through five centuries of economic, social and political development and conflict. Cr 3.

HTY 434/534 Maine History and Travel

This course provides an opportunity to pursue independent study in Maine history (especially southern Maine) since 1820. There will be discussions, oral reports and field trips to a variety of sites located in easy range of USM. Cr 3.

Mathematics

MAC 234 Computer Programming for Elementary Teachers

The course introduces the elementary education major to programming techniques and applications using the BASIC language. No programming skills will be assumed. Prerequisite: MAT 131. Cr 3.

Note: Credits earned for MAT 010 and MAT 011 will not count towards fulfilling a baccalaureate degree.

MAT 010 Elementary Algebra

The first course of a two-course sequence designed for students who are deficient in high school algebra. Topics covered include number systems, functions, graphs, the solution of equations, and the solution of problems with a business orientation. Prerequisite: MAT 009 or equivalent. Cr 3.

MAT 011B Intermediate Algebra

A continuation of MAT 010. Prerequisite: MAT 010 or one year of high school algebra. Cr 3.

MAT 100D College Algebra

The real number system, algebraic operations, sets, equations, inequalities and their graphs, functions and relations, quadratic functions, exponential and logarithmic functions, theory of equations, systems of equations, permutations, combinations, probability, sequences and series, matrices and determinants, and mathematical induction. Prerequisite: two years high school algebra. Cr 3.

MAT 105D Mathematics for Quantitative Decision Making

This course is designed to give students not majoring in mathematics or related fields an understanding of some key ideas in quantitative decision making. The material is chosen to develop awareness of the utility of mathematics in life and to instill an appreciation of the scope and nature of its decision making potential. The computer packaged programs may be used as tools to assist the students in performing calculations necessary for the decision-making process. Prerequisites: Two years of high school algebra and one year of geometry. Cr 3.

MAT 110D Business Calculus

A unified treatment of the elementary functions of analysis; their analytical properties including derivatives, integrals, and series; introduction to multivariate calculus; applications. Prerequisites: two years of high school algebra and one year of geometry, and a passing grade on an algebra competency test which will be administered at the first class meeting. Cr 3.

MAT 120D Introduction to Statistics

An introductory course including basic probability, random variables, and their distributions; estimation and hypothesis testing; regression and correlation. Prerequisite: two years of high school algebra. Cr 3.

MAT 131D Number Systems for Elementary Teachers

This is the first course in a three-course sequence in mathematics recommended by the Committee on the Undergraduate Mathematics Program of the Mathematical Association of America for prospective primary and elementary teachers. Major emphasis is placed on an intuitive approach to the real number system and its subsystems. Prerequisites: two years of high school algebra and one year of geometry. Cr 3.

MAT 140D Pre-Calculus Mathematics

A brief review of elementary algebra followed by a study of the algebraic, exponential, logarithmic, and trigonometric functions. Prerequisites: two years of high school algebra and one year of geometry, and a passing grade on an algebra competency test which will be administered at the first class meeting. Cr 3.

MAT 152D Calculus A

This is the first of a sequence of three basic calculus courses covering functions of one or more variables, graphs, limits, derivatives, integrals, optimization, infinite series, vectors, and various applications. Calculus A provides an introduction to the differential and integral calculus of functions of one variable. Prerequisites: two years of high school algebra plus geometry and trigonometry, or MAT 140. Cr 4.

MAT 153 Calculus B

A continuation of Calculus A. Calculus B will usually include infinite series and an introduction to vectors. Prerequisite: MAT 152D. Cr 4.



MAT 211 Probability

Common probability laws and distributions of discrete and continuous random variables; matrix operations and applications in probability. Prerequisite: MAT 110 or MAT 152. Cr 3.

MAT 212 Statistics

Sampling distributions; estimation; hypothesis testing; introduction to regression analysis and analysis of variance. Applications primarily in business and economics. Prerequisite: MAT 211. Cr 3.

MAT 231 Algebra for Elementary Teachers

The second course in a three-course sequence in mathematics recommended by the Committee on the Undergraduate Mathematics Program of the Mathematical Association of America for prospective primary and elementary teachers. Emphasis is upon the properties of operations in several different algebraic systems. Equations are studied in finite systems as well as in conventional algebra. Prerequisite: MAT 131D. Cr 3.

MAT 252 Calculus C

Multivariate calculus and vector calculus. Prerequisite: MAT 153. Cr 4.

MAT 690 Abstract Algebra

Introduction to the concepts of basic algebraic structures, namely: group, ring, integral domain, field polynomial ring, module, vector space, linear transformation, etc. Prerequisite: MAT 395. Cr 3.

MME 513 Laboratory: Project ASPIRE Calculus

This is a supervised practicum designed to prepare academically qualified, experienced high school faculty to teach sections of introductory calculus offered by the Department of Mathematics and Statistics at USM. Prerequisite: Must be taken concurrently with MME 519. Cr 3.

MME 519 The Teaching of Calculus in Secondary Schools

This is a review of basic calculus and will include functions of one or more variables, graphs, limits, derivatives, integrals, applications of derivatives and integrals, optimizations, infinite series, and analytic geometry in the plane. Prerequisite: A master's degree in mathematics (or the equivalent), at least five (5) years of teaching experience, and recommendation of the high school principal and the department chairperson. Students must apply directly to the instructor for acceptance to the course. Cr 3.

MME 549 Selected Topics in Mathematics

A course designed to provide enrichment topics for the elementary teacher. The course includes such topics as Awareness Geometry, Transformation Geometry, Analysis of Shapes, Number Theory and Measurement. The course is activity based and involves activities which may be implemented into the classroom. Cr 3.

STA 652 Non-parametric Methods

Certain techniques of goodness of fit, order statistics, two treatment comparisons, several treatment comparisons, rank tests in randomized complete blocks. Prerequisite: MAT 382 or permission of instructor. Cr 3.

Military Science

MIS 229 ROTC Basic Camp

A six-week summer camp conducted at Fort Knox, Kentucky. The student receives pay; and travel costs are defrayed by the Army. The environment is rigorous, and is similar to Army Basic Training. The training includes the role and mission of the U.S. Army, map reading and land navigation, first aid, marksmanship, leadership, physical training, drill and parades, and tactics. Completion of MIS 229 satisfies all basic course requirements. Six different cycles offered during the summer. Basic course applicants are accepted during the spring semester. Students apply for enrollment to the professor of military science. Selection for attendance is based on qualifications and merit. Cr 6.

Music

MUE 520 Philosophy of Music Education

A study of the philosophical bases and theories that have particular application to music education. The relationship of philosophical understanding to contemporary practices will be investigated. This course is required for all students accepted in the music concentration of the Instructional Leadership Master's program. The course is also open to those with an undergraduate degree in music education or a provisional/professional certificate in music education. Cr 3.

MUE 521 Selected Topics in General Music: Teaching Creative Listening in the Elementary School.

A study of the approaches to creative and active listening instruction in the elementary school. Course content will include a survey of current research and methods in addition to the development of directed listening materials appropriate for all grade levels. This course is required for elementary specialists accepted in the music concentration of the Instructional Leadership Master's program. The course is also open to those with an undergraduate degree in music education or a provisional/professional certificate in music education. Cr 3.

MUE 524 Teaching Nonperformance Music for Senior High School

Planning and implementing secondary school general music instruction, with emphasis on a course for the high school general student entitled Survey of Music. Topics include philosophy and rationale, selection of content, choice of materials, motivation of students, management of the learning environment, and development of effective teaching techniques. The course is also open to those with an undergraduate degree in Music Education or a provisional/professional certificate in Music Education. Cr 3.

MUE 599 Orff-Schulwerk Teacher Training Level II

Level II is a continuation of the Level I course and includes a review of pentatonic scales, orchestration techniques for I-V, I-IV, and I-IVV accompaniments, explanation of rhythmic training with continuation into irregular rhythms and meters, orchestrations in modal scales, continuation of soprano recorder and introduction of alto recorder. Vocal, movement, and instrumental improvisation will also be included. Cr 3.

MUS 100G Music Appreciation and History

A survey of music from the Gregorian chant to modern times, covering musical practices of the renaissance, baroque, classical, romantic, and contemporary periods. Representative works by the outstanding composers of each period. Cr 3.

MUS 103G Introduction to Jazz

A survey of jazz from its inception to the present day. Involves a study of the origins and stylistic development of jazz. Cr 3.

MUS 110F Fundamentals of Music

A background study of concepts and skills essential to an intelligent reading of music. The development of natural music abilities through participating in singing, rhythmic activities, and instrumental work. An appreciation of music through awareness of basic structures. Cr 3.

New England Studies

Note: All students who have not been accepted into the New England Studies Program must have written permission from the Director before taking any New England Studies course.

NES 626 Culture, Thought and New England Literature II

A continuation of NES 625, this course focuses on the shifting boundaries of New England culture, thought, and literature from the mid-nineteenth century to the present. Cr 3.

NES 650 Writers of Northern New England

In this course we will study modern and contemporary literature of northern New England, with the aim of understanding the region's literary and cultural traditions, its values and myths. The course will deal mainly with the genre of poetry, though fiction and nonfiction will also be included. Most of the course writers were/are based in the largely rural area which for Emily Dickinson was west of Boston, and for Robert Frost and later writers was "north of Boston"—a territory composed of Vermont, New Hampshire and Maine. In addition to these two poets the course will include the following writers of northern New England: Edwin Arlington Robinson, Sarah Orne Jewett, Robert Francis, Robert Lowell, Denis Ledoux, Maxine Kumin, Donald Hall, Wesley McNair, Jane Kenyon, Galway Kinnell, Christopher Fahy and David Budbill. For comparative purposes, we will also study one short work each by the southern and midwestern writers Williams Faulkner and Katherine Anne Porter. Cr 3.

NES 690 Project

Completion of a two-semester project (NES 690/691) that combines independent study and work in a historical society, a museum, a cultural organization or other public or private institution. In consultation with an advisor, the student defines and develops the project in relation to his or her particular interest in New England Studies.

Cr 3 (NES 690 and NES 691: Cr 6.)

Philosophy

PHI 105E Introduction to Philosophy: Theories of Human Nature

A study of some influential theories of human nature in Western culture. Among issues to be studied are: the questions of method; freedom and determinism; materialism and dualism; and the nature of moral values. Prerequisite: ENG 100C. Cr 3.

PHI 107E Introduction to Philosophy: Search for Identity

Philosophy is the attempt to formulate adequate views concerning issues that cannot be settled solely by the use of scientific method (i.e., by observation and experiment). It has two aspects: a characteristic method and a characteristic subject-matter. This course introduces students to both aspects of philosophy, primarily through study of original texts. The course deals respectively with issues concerning: (1) knowledge, e.g., "How do we get knowledge?"; "What is knowledge?"; (2) metaphysics, e.g., "Can the existence of God

be proven?"; "What is the nature of mind (or consciousness)?"; and (3) ethics, e.g., "Are moral values all relative?"; "How may the morality of actions be evaluated?" Students tend to leave this course with an enhanced—or a new—sense of the pervasiveness of philosophy in everyday life. Prerequisite: ENG 100C. Cr 3.

PHI III E Introduction to Philosophy: Philosophical Reading (and Writing)

This course aims to teach the student a particular skill: *philosophical* reading (and writing). On the most immediate level, this will be a course in reading (and writing about) philosophical texts. The texts will give the student a sense of the immense history, wealth, and suggestibility of philosophical writing, its various genres, and its authors. On another level, the course will teach the skill of reading (and writing) philosophically. Any piece of writing can be read (and written about), with profit, philosophically. The second skill and its profit cannot be acquired without first studying the first, thus the bulk of the course will focus on reading (and writing about) philosophy texts philosophically. Prerequisite: ENG 100C. Cr 3.

PHI 265 Feminist Philosophy

The course explores the contributions of feminist philosophers to gender analysis and the philosophical assumptions inherent in theories of gender difference, including theories from sociobiology, biological determinism, physiology, and social construction theory. Examination of gender assumptions may be studied in any of the following applied areas: women's work, women and sports, legal sexual inequality, pornography, and reproductive rights. Prerequisite: any PHI 100-level course and any WST course. Cr 3.

Physics

PHY 111K Elements of Physics I

This course is an introduction to the fundamental concepts of mechanics, sound and heat. Lectures, problem solving, demonstrations, laboratory exercises will be used to develop an understanding of physical phenomena. This course is not recommended for students planning to major in the physical sciences or engineering. Prerequisite: high school algebra. Two 2-hour 45-minute lectures, one 3-hour lab and one 2-hour 45-minute recitation per week. Cr 4.

PHY 112 Elements of Physics II

A continuation of PHY 111K introducing the concepts of electricity, magnetism, optics, and modern physics. Prerequisite: PHY 111K or equivalent. Two 2-hour 45-minute lectures, one 3-hour lab and one 2-hour 45-minute recitation per week. Cr 4.

PHY 123 General Physics II

A continuation of PHY 121K introducing the concepts of electricity, magnetism and light using calculus. This course is intended for students who plan further studies in the physical sciences, mathematics, or engineering. Prerequisite: PHY 121 or equivalent and one semester of calculus. Cr 4.

PHY 124 General Physics Laboratory II
Experiments designed to illustrate the concepts studied in PHY 123. Prerequisite: prior or concurrent registration in PHY 123. Cr 1.

Political Science

POS 101J Introduction to American Government

This course focuses on the political institutions, processes, behavior, and problems of government in the United States. The national government is emphasized. Key topics include: the Constitution, Supreme Court, Congress, Presidency, political parties, public opinion, and interest groups. Cr 3.

POS 102J People and Politics

This course introduces the student to modern political analysis. It centers on basic questions in the study of political behavior: how people learn about politics, what kind of political system they adopt and support, who does and who does not participate in politics, how political conflict is expressed and resolved in various societies. The course aims at familiarizing the student with major approaches or methods which political scientist have found helpful for understanding real political behavior. Note: POS 101J is not a prerequisite for POS 102J. Cr 3

POS 354 State Internship

Provision may be made to gain professional experience in a department or agency of state government. The course is open only to selected students; see department chairman for details. Students will meet for a series of internship seminars, for which readings and research reports are required. The state government internship is available under the Maine State Government Internship Program. Cr 6.

Psychology

PSY 101J General Psychology I

This course is an introduction to the study of behavior as a natural science. Among the topics covered are: method of inquiry, physiological foundations of behavior, sensation and perception, motivation and emotion, learning and thinking. This course is a prerequisite for all courses in the department. Cr 3.

PSY 102 General Psychology II

A continuation of Psychology 101J. It deals with complex psychological processes such as ability testing, personality, conflict, behavior disorders and therapy, and social and industrial behavior. Prerequisite: PSY 101J. Cr 3.

PSY 232 Psychology of Adjustment

This course involves a study of the development of personality patterns, modes of behavior, life styles, and coping mechanisms considered normal in this society. Consideration of their value to individual functioning. Prerequisites: PSY 101J and 102. NOTE: This course does not count toward major credit. Cr 3.

PSY 235 Psychology of Women

This course covers psychology of women and psychological literature relevant to men and women. Some topics include physiological and personality differences between the sexes, sex-role development, role conflict, women and traditional therapy. Prerequisites: PSY 101J and 102. Cr 3.

PSY 333 Psychopathology

The etiology, development, and manifestation of the major forms of mental illness with particular emphasis upon the neuroses and psychoses are discussed. Psychological, social, and biological factors which contribute to maladjustment are examined. Prerequisite: PSY 101J and 102. Cr 3.

PSY 361 Sensation and Perception

This course examines perceptual processes in selected sensory systems. Emphasis is on experimental methodology, research findings, and theoretical interpretations. Prerequisites: PSY 201D and 205. Cr 3.

PSY 400 01 Sports Psychology Institute

See Special Programs section of this catalog.

PSY 400 02 Childhood Psychopathology

See Special Programs section of this catalog.

Social Work

SWO 397 Department Projects

Individual or group projects, requiring independent study or field work in some aspect of social welfare, are selected by students in consultation with faculty. Prerequisite: department permission. Cr 3.

SWO 433 Social Work Research

This course studies the methods and implications of social work research for social policy and social work practice. Prerequisites: SWO 101J plus senior standing or permission of instructor. Students must also have satisfied quantitative decision making requirement with one of the approved statistics courses. Cr 3.

Sociology

SOC 100J Introduction to Sociology

This course discusses the fundamental concepts, principles, and methods of sociology; analyzes the influence of social and cultural factors upon human behavior; evaluates effects of group processes, social classes, stratification, and basic institutions on contemporary society. Cr 3.

SOC 380 Sociology of Violence

This course will investigate the socio-cultural factors associated with various forms of human violence, both instrumental and expressive. Among the topics to be considered are: domestic violence, hooliganism, violent crimes and political violence, from terrorism to war. Prerequisite: SOC 100J or permission of instructor. Cr 3.

Theatre

THE 101G Introduction to Drama

This is a lecture-discussion course designed to provide students with a conception of the development of the theatre and its literature. The course consists of a survey of Greek, medieval, Elizabethan, French neo-classic, and 18th, 19th and 20th century theatre and drama. Cr 3.

THE 120F Acting I—Fundamentals of Acting: Movement and Improvisation

This is a practical course designed to introduce the student to basic procedures necessary to experience the creative process in acting. The course is designed to cultivate the student's sense of both physical and mental self by increasing his/her imagination, creative, and technical abilities. Course utilizes movement, sensitivity, mime, and improvisational exercises. Cr 3.

THE 170F Public Speaking

This is an introductory course in the fundamentals of public discourse. Primarily a lecture-performance course, students will learn the basics of informative, persuasive, and entertaining speaking, as well as the processes of problem-solving and informative discussion. Emphasis is upon conception, analysis, structure, and modes of proof. Cr 3.

THE 290F Oral Interpretation

This course involves the assimilation and analysis of literary material (poetry, prose, drama) with emphasis on the techniques used in reading written material aloud to an audience. Designed to stimulate an understanding and responsiveness to literature and to develop the ability to convey to others, through oral readings, an appreciation of that literature. Cr 3.

THE 299 Introduction to Ballet

This course is designed to acquaint students with the technique, history and aesthetics of ballet. Students will participate in a weekly dance technique class where they will learn basic ballet vocabulary, discipline and movement phrases. Video tapes of Romantic, Neo-classic and psychological ballets will be shown as part of history and aesthetic study. We will view dances within the social context in which they were created and with the choreographer's intention as a guide. Cr 3.

THE 398 Theatre Internship

Students will assume a full one-semester internship with a professional theatre or Reader's Theatre Company. Students will be involved in management, acting, directing, or technical theatre as a member of the company. Each student will be assigned a faculty advisor who will make a biweekly evaluation of ongoing work. Participants will be required to keep a diary and/or portfolio to be reviewed by the faculty of the Theatre Department at the conclusion of the internship. All creative work done by the student will be evaluated by the advisor and at least one other, or if possible, all members of the department. Prerequisite: permission of the Theatre Department. To be arranged. Cr 3-15.

COLLEGE OF EDUCATION

Undergraduate Education

EDU 200 Studies in Educational Foundations

This course provides an introduction to the study of American education. Problems and issues in contemporary education are examined from several perspectives, including the social, historical and philosophical. Cr 3.

EDU 210 Theoretical Foundations of Learning

This is an interdisciplinary approach to the study of the learning process. It explores origins and domains of learning theories. It analyzes how major theories view the learning process. The course applies theoretical content to motivation, concept development, classroom management, methodology and evaluation. Prerequisites: EDU 100 and HRD 333J (or concurrent). Cr 3.

EDU 305 Teaching Elementary School Mathematics

The course will focus on developing techniques for teaching mathematics to elementary grade pupils. Conducted in a setting of activity-oriented sessions, special attention will be devoted to explanations for children about the fundamentals of mathematics, diagnosing mathematical difficulties, organizing various modes of instruction, and exploring ways to enrich the curriculum. Prerequisite: MAT 131D. Cr 3.

EDU 308 Science for Children

An alternative to EDU 307. This course is conducted in a University science resource center and provides opportunities for students to apply learning theory by exploring current science curricula. Emphasis is on content analysis and comparison and on implementation in public classrooms. A field experience is included whenever possible. Recommended prerequisite: EDU 210. Cr 3.

EDU 312 Teaching Language Arts in Elementary School

This course reviews recent trends, methods and materials basic to the teaching of communications skills with an emphasis on the writing process. Topics include spelling, handwriting, listening, creative expression, and speaking. Tapes, records, filmstrips, transparencies, kits, and contemporary language art books for the elementary school are used. Cr 3.

EDU 321 Developmental Reading II

This course builds upon the concepts introduced in Developmental Reading I. Students are guided in designing specific instructional activities that correspond to the major stages of reading progress. Empirical demonstrations, methods, and materials for teaching reading are stressed. Prerequisite: EDU 303 or equivalent. Cr 3.

EDU 323 Independent Study in Education

This course provides juniors and seniors who have demonstrated critical and analytical capability an opportunity to pursue a project independently, charting a course and exploring an area of interest within their major field, bearing upon it previous course experiences and emerging with an intellectually sound, coherent synthesis, or an artistic or technical creation reflecting a high caliber of performance. May not be used as a substitute for currently described courses. Cr Var.

EDU 335 Exceptional Students in the Classroom

This course shall serve as an introduction to the unique characteristics and needs of exceptional students in grades K-8. Legislation and its implications, roles and responsibilities of the regular classroom teacher, resources and characteristics of exceptional students shall be discussed. Cr 3.

EDU 336 Children's Literature

In addition to acquainting the student with children's books, authors, and illustrations, this course is designed to help develop standards for evaluating children's books and prepare students for using their knowledge of children's literature in the classroom. It is intended as a survey course dealing with the utilization of library materials for children from pre-school through elementary school years. The student will be expected to read children's books widely and in depth. Prerequisite: junior standing. Cr 3.

HRD 333J Human Growth and Development

This course introduces developmental theory and research which encompasses the entire life span. Emphasis will be on prenatal development through adolescence, with an overview of adult development. A multidisciplinary view of human development will be taken which considers stability as well as change throughout the life cycle. The interaction of hereditary and environmental factors will be considered in studying physical, cognitive, and psychosocial development. Prerequisite: sophomore level standing. Cr 3.

PHE 102 Independent Activities

This course will allow students to earn credit for doing physical education activities outside the University. Students may select any activity which can be done independently or may enroll in a structured program, such as Y classes, aerobic dance classes, etc. Instructor permission required. Cr 1 or 2.

PHE 304 Health and Physical Education for Elementary Teachers

A basic course for prospective teachers to develop knowledge and skills to acquaint them with essentials for sound program planning in the various areas of health and physical education. Topics include teaching methods and materials, curriculum, class organization, and lesson planning and evaluation in health and physical education. Observation and practical experience with children will be included. Cr 3.



Graduate Education

Resource Courses

EDU 600 Research Methods and Techniques

A study of concepts, principles, and techniques of educational research with emphasis on scientific inquiry and problem solving, designed for both the producer and consumer of educational research. Individual research proposals and reports are completed. Prerequisite: open to matriculated students only. Cr 3.

Human Resource

HRD 600 Adult Education and Human Resource Development

This is the mandatory first course in the master's program. The course introduces the student to adult education, continuing education, and human resource development, including its history, philosophy, and trends in the United States and worldwide. The course also introduces the student to the graduate program and to the network of current students and program graduates. Particular attention is given to career and educational planning, including the assessment of prior experience, the beginning of a professional portfolio, the development of a career plan to be sought through the program, and the development of an educational plan for the completion of the program. Cr 3.

HRD 603 Consultation

This course is designed to introduce students to consultation skills that can be utilized for evaluating organizational structure and individual client management. A variety of theoretical approaches to the role of the consultant will be offered, including focus on behavioral observation, organizational development, relating to staff people as a consultant and communicating the results of a consultation. Prerequisites: HRD 686 and HRD 690, or permission of the supervising professor. Cr 3.

HRD 607 Introduction to School Guidance Services

This is an introductory course for those intending to enter the field of school guidance and counseling. It is designed to consider the theoretical basis for guidance practices in elementary and secondary schools (K-12). This includes working collaboratively with the home, school, and community to meet the personal, educational, and career concerns of students. Historical and social contexts along with philosophical issues and emerging directions of guidance will also be discussed. Cr 3.

HRD 608 Career Development

This course will focus on the process of career development. Work will be addressed as an activity which has a primary impact on our lives. Career development will be examined as a process which continues throughout the life span. Different theories of vocational choice will be examined and various methods of assessing vocational interests and aptitudes will be explored. Special populations such as: disabled, displaced homemakers, and elderly will be discussed. The overall emphasis of the course will be to explore with participants career development strategies used in school and community settings. Cr 3.

HRD 620 Fundamentals of Counseling Skills

This course emphasizes the development of fundamental counseling skills such as attending behavior, listening, reflection of feeling, paraphrasing, and questioning. The course examines the process and content of the counseling interview as well as verbal and non-verbal factors which influence the interactions within the counseling relationship. Primary focus will be to help the student develop greater self-knowledge and skills in interpersonal communication within the counseling relationship. Prerequisite: open to matriculated graduate students only. Cr 3.

HRD 621 Fundamentals of Counseling Theories

This is a seminar for those who are or will be engaged in psychological counseling in an educational or mental health type setting. Selected theories and techniques are closely examined. The research literature which has a bearing on the effectiveness or non-effectiveness of counseling is reviewed. Cr 3.

HRD 622 Counseling Young Children

This course is designed to review theories, techniques, and strategies used in counseling young children. Attention will be given to the examination of the counselor's role, the goals of counseling and developing relationships with children. In addition, students will be given the opportunity to explore the uses and techniques of non-verbal languages of counseling including play, dramatics, movement, art and music, and how they relate to child growth and development. Prerequisite: successful completion of HRD 620 or permission of the instructor. Cr 3.

HRD 626 Group Process and Procedures

The course focuses on the understanding of basic principles of group development and the recognition of the dynamics of group interaction. It also focuses on the improvement of personal interaction processes and their application to other group settings. Open to matriculated graduate students only. Cr 3.

HRD 627 Group Counseling

This course is an extension of basic knowledge and practice in the fundamentals of group dynamics. Emphasis will be on the development of concepts, attitudes, and skills necessary to understand and lead counseling groups in a variety of settings and on the development of a deeper sense of how each participant intervenes in a group. Prerequisite: HRD 626 or equivalent. Cr 3.

HRD 628 Introduction to Marriage and Family Counseling

This course is an introduction to the structure and dynamics of the family, as well as methods of family intervention and counseling. The relevance of understanding and skill in the areas of rehabilitation counselors and school counselors is emphasized. Methods of instruction include lecture, group discussion, role playing, and audio/video programs. Prerequisite: HRD 690 or permission of the instructor. Cr 3.

HRD 661 Life Span Development II

This course examines the processes underlying growth, development, and behavioral changes of human from young adulthood through old age to death. The interaction of biological, cognitive, and psychosocial development in adulthood is described. Cr 3.

HRD 662 Theories of Human Development

This course is designed to provide an understanding of the nature and needs of individuals at all developmental levels. It will examine major theoretical perspectives on life-span development and the philosophical and historical bases of these approaches. This examination will include an overview of cognitive developmental theories, personality theories, learning theories, the ethological perspective, humanistic theories, and theories of adult development. Cr 2.

HRD 663 Child and Adolescent Development

This course is designed to provide an understanding of the nature and needs of individuals at all developmental levels. It will examine the processes underlying growth, development and behavioral changes from conception through adolescence. The interaction of biological and environmental factors will be considered in studying physical, cognitive, social and emotional development during these early stages of the life span. Prerequisite: HRD 662 or permission of instructor. Cr 2.

HRD 664 Culture, Tradition and the Life Cycle

This course is designed to provide an understanding of the nature and needs of individuals at all developmental levels. It focuses on the social and cultural foundations, changes, and trends that impact on life span human development. Drawing from the social science disciplines, cultural traditions are examined in relation to changing roles, mores and lifestyles. The course considers specific ethnic groups of northern New England to see how traditions might influence attitudes toward growth potential. Prerequisite: HRD 662 or permission of instructor. Cr 2.

HRD 665 Psychological Measurement and Evaluation

This course focuses on group tests and related measurement techniques. The course content will include a review of the history of testing, current issues, fundamental statistics for understanding and evaluating tests, a review of selected aptitude, intelligence, achievement interest and personality tests. In addition, other standardized and non-standardized evaluation measures will be reviewed. Cr 3.

HRD 680 Institute in Group Counseling

The course is an extension of basic knowledge and practice in the fundamentals of group dynamics and leadership. Emphasis is on the development of concepts, attitudes, and skills necessary to understand and use counseling groups within a variety of settings. Course time will be spent as a group participant, as well as in didactic instruction. Prerequisites: HRD 626 or equivalent and permission of the instructor. Cr 3.

HRD 683 Adolescent Depression and Suicide

The objective of this course is to become informed of the major aspects of understanding and working with the depressed, suicidal adolescent. The focus will be on the definition of suicide according to Edwin Schneidman as well as understanding adolescence from a developmental perspective. In addition, the myths, realities, attitudes, motives and underlying causes and prevention of adolescent suicide will be discussed. Cr 3.

HRD 686 Internship in Counselor Education

This course provides an opportunity for the student to integrate formal coursework with on-the-job experience in selected helping institutions. The course may be taken for 1 to 12 credit hours and is a post-practicum (HRD 690) experience. Prerequisite: approval of the supervising professor. Cr 1-12.

HRD 687 Internship in Adult Education

This course is designed to provide professional experience in the student's selected area of concern. A plan for the internship is presented for approval to the student's adviser. On approval, the intern completes his/her planned program under the supervision and evaluation of a responsible person for the internship assignment. Cr 1-9.

HRD 698 Directed Study in Human Resource Development

This course provides students the opportunity to pursue a project independently planning and exploring an area of interest within the field of human resource development. The project must be field based, intellectually sound and reflect a high caliber of performance. Specific content and methods of evaluation are determined in conjunction with the faculty supervisor. An approved proposal is a necessary prerequisite to registration. Cr 1-3.

HRD 699 Independent Study in Human Resource Development

This course provides students the opportunity to pursue a project independently, planning and exploring a topic of interest within the field of human resource development. The project must be library based, intellectually sound and reflect a high caliber of performance. Specific content and methods of evaluation will be determined in collaboration with the instructor. An approved proposal is a necessary prerequisite to register. Cr 3.

HRDX 644 Organizational Development

This course introduces the student to the theory, concepts, practices, skills, and tools of organizational development. A variety of intervention strategies and techniques are explored. Emphasis is placed on the facilitator role in successful organizational interventions. This course is part of the training and development concentration. Cr 3.

HRDX 668 Family Systems

This course examines the application of general systems theory to family development and family interactions as well as provides an overview of the major theories of family therapy. Additionally, it reviews the multigenerational impact of the family on the emotional health and psychopathology of the individual. Cr 3.

HRDX 693 Practicum in Life Storytelling

The basic assumption of this course is that life stories offer a unique way of understanding development across time, and that taking time to view our own lives as a whole is one of the important ways in which we uncover meaning as well as personal truth in our lives. Using primarily a practicum/workshop approach, autobiographical exercises will be combined with the use of traditional stories (myths, biblical tales, and folk tales) to create one's personal myth, adding perspective, depth, connectedness, and a richness to the life story. This process will also enable counselors, educators, and other human service providers to become more aware of the guiding themes in the lives of those with whom they work. Prerequisite: HRD 604, HRD 605, or permission of instructor. Cr 2.

HRDX 696 Counselor Supervision

The course is designed to assist human services workers who are responsible for the supervision of counselors in various settings. Both clinical and program/administrative supervision will be addressed. Competencies will focus on the knowledge base, intervention techniques, and human skills needed to provide quality supervision. Cr 3.



Educational Administration

EDU 671 Organizational Behavior

This course is a systems approach to understanding and predicting human behavior within organizations. The course emphasizes analytical means to 1) reveal forces which affect decision-making and leadership behavior, and 2) identify implications for managerial functions. Basic concepts such as authority, influence, motivation, communication, conflict, pattern maintenance and tension management are discussed and applied. Cr 3.

EDU 678 School Law

The purpose of this course is to acquaint students with general principles of school law as found in the interpretation of constitutional and statutory provisions by the higher courts. Laws governing pupils, teaching personnel and boards of education will be stressed with particular emphasis on Maine school law. Cr 3.

EDU 683 School Finance

This course will trace the historical background and development of the present Maine School Finance Administration. A detailed examination of the interest and the underlying concepts and relationships of the Act will be studied. Local budget and expenditure practices will be reviewed. Emphasis will be placed on helping the student develop a clear conceptual understanding of the overall system by which state aid is provided to Maine school systems. Cr 3.

Exceptionality

EXE 601 Educational Programming for Children who are Exceptional

An in-depth examination of learning, behavior patterns of exceptional students, and service delivery models. The course will include study of the learner's role in school, home, and community. Cr 3.

EXE 615 Classroom and Behavior Management for Learners Who Are Exceptional

This course examines a variety of strategies for promoting positive behavior. Topics include preventing misbehavior through classroom organization strategies, responding to misbehavior in constructive ways, and designing strategies to help children develop appropriate social skills. Students are expected to conduct several classroom application projects. Cr 3.

EXE 653 Assessment in Special Education

Numerous tests in the areas of intelligence, achievement, perceptual motor skills, adaptive behavior, and behavior will be examined. Students will work with children in their area of specialization. The course emphasizes assessment, teaching, and development of educational programs and strategies. Cr 3.

EXE 684 Administration in Special Education

This is a field-based course designed to offer experience in administering special education programs. The course emphasizes the organization and administration of special education programs. Prerequisite: EXE 601 or permission of instructor. Cr 3.

EXE 687 Technology in Special Education and Rehabilitation

This course introduces students to the use of technology in the education and rehabilitation of individuals with special needs. A range of technological systems will be examined from "low tech" devices such as simple switches to computers, adaptive devices, and software appropriate for handicapped individuals. A variety of equipment, materials, hardware, and software will be available for demonstration and student use. Methods and techniques for evaluation and determination of appropriate and inappropriate use of technology will be stressed. Cr 3.

EXE 690 Disability, Deviance, and Development

This course examines the growth and development of disabled adolescents from a social context. Society's historical treatment of disabled people and the effect social attitudes have on development will be addressed. Developmental theory presented through classwork and readings will be supplemented by research and interviews with adolescents and their teachers and families. Cr 3.

EXE 699 Directed Study

This course is an opportunity to gain, apply, and integrate knowledge and skill in exceptionality by planning and conducting a project. The project must be intellectually sound, have direct applicability to the student, and produce a high quality product. Specific content and methods of evaluation will be determined in conjunction with faculty supervisor. Prerequisite: completion of 3 courses or professor's permission. Cr var.

Instructional Leadership

EDU 603 Analysis of Teaching

This course provides opportunity to view teaching from the perspective of selected conceptual frameworks and research findings in the theory and practice of teaching. Analysis of individual teaching behavior is an important aspect of this course. Cr 3

EDU 604 Curriculum Development

This basic curriculum course will provide students with an understanding of what curriculum and curriculum development are. Using a collaborative approach, teachers and administrators will plan the design of a curriculum consistent with personal ideals and applicable in a given context. Students will analyze the curriculum in terms of knowledge, skills, learning processes, and affective dimensions. Special emphasis will be given to the processes of curriculum implementation and curriculum evaluation. Cr 3.

EDU 610 Critical Issues in Teaching and Learning

This course provides grounding and direction for a spiral of learning to continue throughout the program. It draws on direct and observed experience of participants, as well as on the literature of theory, research, and practice, to explore critical issues in teaching and learning. It aims to provide students with a process of inquiry useful for identifying, classifying, and analyzing instructional problems and the skill in making decisions about curriculum and pedagogy. Cr 3.

Professional Development Center

EDU 501 International Seminar

Seminar participants will develop competency in internationalizing educational curricula by way of: exposure to Irish and English culture, history and educational systems; examination of the ways in which foreign educators have internationalized their curricula; readings and course project. Program highlights include an overview of the history and educational system of Ireland; tour of the Galway and Cork areas conducted by Irish educators and cultural historians; lectures on archaeology, history, literature and music of Ireland; visits to schools and meetings with Irish and English educators; lectures on the British educational system; tours of London and Cambridge; examination of Irish and English curricula; and a hovercraft trip to France. Cr 3.

EDW 472 Newspapers in Education

Through hands-on experiences and modeling, participants will learn to create and adapt highly motivating newspaper activities to teach concepts and skills in any subject or grade level. Emphasis is placed on classroom applications of educational research on collaborative learning, learning styles, thinking skills, whole brain processing, and integrated instruction. Cr 3.

EPD 503 Arts Education Institute

The USM Arts Education Institute will offer elementary classroom teachers an intensive week of theater, dance and art studies. Drawing upon their extensive experience in schools, the faculty will help teachers plan interdisciplinary arts projects for their students. Performances, films, museum visits, and lectures will augment our studio work. A follow-up day is planned for fall, 1990. Cr 3.

EPD 511 Middle School Institute

The program's focus is on teaching and knowing the young adolescent with emphasis on how to develop staff communication and skills to provide quality education at this level. The institute encourages school system teams to attend and identify a specific educational project prior to the course. This project will provide the focus for the week's work and be implemented during the 1990-91 school year. This is a fee course. Contact the Professional Development Center for more information. Cr 3.

EPD 520 Southern Maine Writing Project

Affiliated with the National Project Network, SMWP conducts an intensive three week writing institute for classroom teachers and language arts specialists in elementary, junior and senior high schools. Participants will practice theory-based strategies for teaching writing as process, participate in reading/writing groups, and develop presentations for subsequent inservice workshops in Maine schools. Cr 3.

EPD 555 Programs for Gifted/Talented Students with Artistic Ability

This course is for individuals wishing to plan and implement programs for gifted and talented students who have demonstrated significant achievement or potential in the areas of the literary, the performing, and/or the visual arts. Topics will include identification techniques, programming options, use of community resources, and selection of instruction materials. Pre- and post-course readings and projects will be assigned. Cr 3.

EPD 586 Contexts for Literacy Learning in the Young Child

This course will help students develop background knowledge about literacy as a social phenomenon, and will help students apply this knowledge to the early classroom setting. Stress will be on ways to create literacy contexts in preschool and kindergarten classrooms. Emergent literacy strategies will be analyzed and discussed, and the adult's role as social mediator will be explored in depth. Pre- and post-course readings and projects are required. Cr 3.

EPD 591 Stress, Competitiveness and the Gifted Child

This course will discuss the sources and outcomes of stress and competitiveness in the lives of gifted children. Topics include: sources of stress and competitiveness; physical, emotional and cognitive effects of stress; techniques for reducing stress at home and at school; and suggestions for structuring less competitive classrooms. Pre- and post-course readings and projects will be assigned. Cr 3.

EPD 592 Identifying and Nurturing Multiple Talents in Gifted Students

This course is for individuals responsible for 1) recognizing and nurturing multiple talents within students; 2) planning and implementing learning experiences using multiple talents; 3) developing instructional materials for enhancing multiple talents; 4) creating learning environments conducive to creativity; and 5) evaluating student growth in the multiple talent areas of productive thinking, communication, forecasting, decision making and planning. Pre- and post-course readings and projects will be assigned. Cr 3.

EPD 599 Gifted Students with Handicapping Conditions

This course will discuss the nature and needs of gifted students with mild and moderate handicapping conditions. Topics include: identifying, modifying and providing learning experiences and learning environments conducive to the development of abilities; working with families and teachers; and responding to the affective needs of students. Pre- and post-course readings and projects will be assigned. Cr 3.

EPDI 530 Storytelling

This course is designed to deepen understanding and appreciation of storytelling as an art form, a performance genre and an educational force. The focus includes a brief history of storytelling, its purposes and values, types of literature suitable for oral presentation, techniques of preparing and presenting stories, styles of telling, and the child as storyteller. Cr 3.

EPDI 534 USM Leadership Symposium: 1990 Focus-Organizing Schools for Reflective Teachers.

This institute is designed for mentors, coaches, support teams and supervisors in school settings. Its objective is to explore how to work together to improve teaching. Scholars in the field of education will share their research, ideas and expertise on the topic of supervisory practices. Cr 3.

EPDI 589 Consulting for Teacher Certification Competencies

The aim of this course is to develop school district teams of consultants in MDECS teacher certification competencies in order to support the implementation of teacher action plans. Each member of school consultant team(s) will specialize in one of the teacher certification competencies. Cr 3.

EPDI 542 Legal and Ethical Practices: Helping Professions

Designed for students and practitioners in the helping professions, this course will initially consider the origin of and differences between codes of ethics, such as those of the APA or AACD, and statutes that govern professional practice. It will review the role of professional associations and governmental bodies in establishing and enforcing standards of professional conduct for persons in counseling, psychology, education, and other human services fields. It will explore issues upon which ethics and law disagree and how and why conflict between legal and ethical codes arose. Cr 3.

EPDI 561 Law-Related Education Institute: With the Law in Mind

This institute offers elementary, middle and secondary school educators the opportunity to study the basic concepts, strategies and intellectual tools of the law and their use as classroom material. Morning sessions are led by law faculty, afternoon sessions by elementary and secondary education faculty whose work has focused on making the law speak the language of children and older students. Cr 3.

EPDI 590 Creating Community in Educational Environments

This course explores ways to nurture empathy, resolve conflicts, open communication and create community in classrooms and schools. It includes presentations on such topics as moral development, social responsibility and conflict resolution as well as "promising practices" discussions facilitated by teachers who have been using effective strategies in their classrooms. The program is designed for K-12 teachers, school administrators, school board members and parents. Cr 3.

HRD 645 Institute in Gerontology Education: Aging and Life Review

This course examines the process of life review and its role in human aging. The phenomena of memory, imagination and identity in later age will be examined. Participants will develop practical methods of facilitating life review of themselves and older clients. There will be a subsequent amount of reading required prior to the first class. Those registering after June 1 must obtain prior permission of the instructor. Cr 3.

HRDX 646 Adult Education Institute: Adult Learning Around the World

This course is an elaboration of Maine's first annual adult education conference exploring philosophy and issues related to adult learning. This year's conference will have an international focus. In addition to participation in the conference, students are required to read extensively, conduct a learning project, and engage in seminars with the course instructor both during and after the four days. This is a fee course. Contact E. Michael Brady for more information. Cr 3.

Reading

EDU 510 Development of the Composition Process

This course in language arts emphasizes the development of writing proficiencies. Writing growth and its relationship to reading and oral language development is examined. A thorough study of current research and theory relating to the composition process leads to the development of instructional programs that will foster students' growth as writers. Appropriate for elementary teachers; most secondary teachers can be accommodated. Cr 3.



EDU 515 Teaching Writing: Middle/High School

This workshop is intended for teachers of grades five through twelve, in both language arts and content areas. "Writing as a process," covering the steps of pre-writing, writing, revision and editing, is the course focus. Topics include the use of writing not only for testing students' knowledge, but also for promoting content learning. Narrative and expository writing assignments will be covered. Model assignments are provided with the opportunity to experience the writing process first-hand. Content assignments include: notetaking, essay writing, research papers, compositions, the writing/vocabulary development connection, and using creative writing to promote readiness for content learning. Cr 3.

EDU 524 Supervised Practicum in Reading Disabilities

This clinical experience is given in conjunction with the Reading Clinic or the University Reading Academy. Working under supervision, students use selected assessment instruments with adults/children who have learning and reading difficulties. Testing sessions will be unique and geared to specific diagnostic needs perceived by instructors. Cr 1-6.

EDU 529 Reading Clinic

Clinical experiences requires the utilization of diagnostic and prescriptive methods for planning and implementing reading programs for students at different stages of reading progress. Tutoring experiences are augmented and related to the professional literature and research through frequent opportunities to explain and defend observations in seminars. Extensive reading from basic texts, current references, and periodicals are stressed. Emphasis is on the appropriate application of research-validated teaching and diagnostic techniques in supervised settings. Prerequisites: EDU 512 and EDU 513, EDU 620 and EDU 621 or equivalents and instructor permission. Cr 6.

EDU 621 Reading Remediation

This course conceptualizes reading diagnosis as a process of becoming informed about a learner. Heavy emphasis on developing diagnostic insights and corrective strategies for disabled readers of all ages. Updates traditional approaches and elaborates on current trends from research and practice. Stresses case studies and in-class practice to help teachers implement diagnostic corrective procedures in the classroom. Prerequisite: EDU 620 or equivalent. Cr 3.

EDU 622 Language and Literacy for Young Children

The focus of the course is the development of language (both oral and written) in children three through eight years of age. Content includes the characteristics of language learners, the conditions that promote emergent literacy, and organization and management of literacy instruction in the primary grades. Cr 3.

EDU 630 Organizing for Literacy Instruction

The course identifies and explores the components of effective literacy programs at the upper elementary and middle school levels. Emphasis is on the design and implementation of literature-based instruction and management of self-selected reading. Prerequisite: EDU 620. Cr 3.

EDU 633 Special Applications of Reading Methods

Independent study opportunities to apply course experiences in field-based situations are encouraged. Considerable latitude is possible in pursuing options of professional interest with approval of advisor. Examples of activities include: writing project (meeting standards of professional journals), intensive clinical experiences, educational consultation and research. Independent options must be approved in writing by the Program Coordinator. Cr 1-6.

LEWISTON-AUBURN COLLEGE

MOS 385 Internship in Management and Organizational Studies

Prerequisite: MOS 300 and two 300/400 level MOS courses. Cr 3.

MOS 404 Public Finance

This course assesses the theory and practice of financial management of non-profit and public organizations with an emphasis on the relationship between financial decision making and organizational policy and strategy. Prerequisite: MOS 300 or permission of instructor. Cr 3.

SBS 312 Foundations in Criminology

A survey course of the social and cultural factors that influence crime and delinquency. Focus will be on misconceptions and myths about crime and the institutional responses to crime in our society. Cr 3.

PUBLIC POLICY AND MANAGEMENT PROGRAM

PPM 600 Computing Fundamentals for Public Policy and Management

This course introduces students to the use of MS-DOS based computing through a combination of in-class instruction and practice and the preparation of exercises outside of class. Students learn the basics of word processing and spreadsheets. Using Word Perfect, students learn to enter and format text and print out simple documents. Using Quattro (a Lotus 1-2-3 compatible spreadsheet software), students learn to create a spreadsheet, move, copy and delete ranges of data, and use a formula to create new variables or update existing data (including "what-if" interactive processing). No previous computing experience is assumed. Cr 1.

PPM 668 Historic Preservation through Growth Management

This course explores the policy foundations for preservation of historic, scenic, and natural resources. It considers elements of preservation planning for rural and urban areas and provides experience in identification and evaluation of historic cultural and natural resources in the comprehensive planning process. Case studies are utilized. Cr 3.

SCHOOL OF APPLIED SCIENCE

Applied Immunology

AIM 630 Medical Immunology

This course stresses the medical relevance and application of immunology, both in the laboratory and in the clinic. Specific topics covered include assay formats and design, assay interpretation, new technology and instrumentation, the role of the immune system in protection, the interactions of the immune system with inflammation, as well as the diagnosis, pathologic mechanisms, and treatments of immunodeficiency, autoimmune, and lymphoproliferative diseases. Cr 3.

AIM 631 Medical Immunology Laboratory

Cr 3.

AIM 640-666 and AIM 698

For information about these courses see the 1989-1990 Graduate Catalog or contact the School of Applied Science.

Computer Science

COS 160 Structured Problem Solving: PASCAL

This course is an introduction to the use of digital computers for problem solving, employing the PASCAL programming language as a vehicle. Content includes elementary control structures and data representation methods provided by PASCAL and the top-down programming methodology. Course requirements include a substantial number of programming projects. Prerequisite: two years of high school algebra or equivalent. Cr 3.

COS 698 Master's Project

A six-credit project is required of all students. The project must be approved by the computer science faculty in advance. Prerequisite: full graduate standing and faculty approval. Cr 3 or 6.

Engineering

ELE 100 Introduction to Engineering

This course provides basic understanding of engineering methods and use of computers as engineering tools. Word processing, engineering calculations, data processing, graphics, computer-aided drafting, principles of design, and report writing. Learning of computer skills is associated with each topic. A simple design project and report are included. Prerequisites: none. Typing skills are useful. Lecture 1¼ hours, Lab 3½ hours. Cr 3.

ELE 210 Electric Circuits I

Basic circuit laws and theorems, natural and forced responses of first order systems, phasor concepts, application of basic circuit theorems to steady-state a-c networks including steady-state power are discussed. Characteristics and proper use of basic circuit instruments. Prerequisites: MAT 153, PHY 123. Cr 4.



Technology

ITP 350 Conference Leading

This is a course in philosophy and techniques of organizing and conducting successful conferences. Each participant will assume the responsibility of planning and leading a simulated conference. Cr 3.

ITP 370 Job/Work Analysis

The course in job analysis is basic to the functional aspects of work involved in producing goods and services in our economy. It is a first course in applied research, helping the technology major to understand the importance of being methodical in one's study and one's work. There is also emphasis in the course on career development, work design, work ethic and work productivity. A semester project requires students to analyze a job in terms of relevant duties, tasks, job methods and requirements. Cr 3.

ITP 380 Principles of Industrial Management

Fundamental principles of management as applied to business and industrial settings are discussed. The functions of management, introduced in ITP 100, will be given broader treatment by considering management of manufacturing firms. Prerequisite: ITP 100. Cr 3.

ITT 363 Wood Science

This course discusses wood anatomy and identification experiences leading into a study of the properties of wood, wood-liquid relations, bonding and finishing of wood, and machining as they relate to the manufacturing processes. Prerequisite: ITT 261 or permission of instructor. Cr 3.

ITT 440 Related Occupational Experiences/Internships

Two options, total credits to be no more than the difference between those granted for ITT 400, and 45 credits.

OPTION NO. 1

This course option is designed to permit attendance at an approved industry-sponsored school or seminar for the purpose of providing the student with advanced related occupational or technical training. Courses provided by organizations such as General Motors Training Centers, or International Typographical Union, qualify under this course option. Cr 1-3.

OPTION NO. 2

Approved employment with a company may qualify a student under this option. Arrangements must be approved by the advisor in advance. The experiences should provide opportunities for updating technical skills and knowledge. Credit will be determined on the basis of one credit for each two full weeks of employment (80 hrs) with a maximum of three credits for each period of approved continuous full-time employment. A daily log, summary report, and evaluation by an industrial supervisor will constitute part of this option. Cr 1-3.

For additional information concerning either option of ITT 440 or ITTI 440, consult your advisor.

IEP 699 Independent Study

IEV 460 Independent Study in Vocational Education

This course is an opportunity to pursue independently a topic, project, or experiment of interest. Students will prepare a contract or proposal for study to be conducted and, upon completion, submit findings in a scholarly report or other evidence of completeness. Permission of advisor. Cr 3.

IEVI 310 Methods and Materials of Instruction in Vocational Education

This course treats the general and specific materials and methods of teaching vocational courses. Deals with both the theoretical and practical aspects. Prerequisites: IEV 300 and IEV 305. Cr 3.



SCHOOL OF BUSINESS, ECONOMICS AND MANAGEMENT

Accounting

ACC 201 Principles of Financial Accounting

This is an introduction to accounting principles and concepts. Emphasis is placed on understanding financial statements and the accounting for assets, liabilities, equities, revenue, and expenses. Cr 3.

ACC 202 Principles of Management Accounting

This course deals with the selection and preparation of information which will serve to support and assist management in planning and controlling a firm's operations; the emphasis is on information needs for management decision making. Included are analysis of financial statements, changes in financial position, cost-volume-profit analysis, budgeting, income tax considerations, and quantitative techniques integrated with more traditional approaches. Prerequisite: ACC 201. Cr 3.

ACC 490 Independent Readings and Research in Accounting

Selected topics in the various areas of accounting, auditing, and income taxes may be studied and researched on an independent basis. Prerequisites: senior standing and completion of admission requirements for majors. Cr 1-3.

Undergraduate Business

BUS 280 Legal Environment of Business

This course introduces students to the legal system, consumer law, agency law, administrative law, antitrust law, labor law, equal employment law, environmental law, and other topics. It stresses the social responsibility of business and the legal and ethical framework in which businesses must function. Cr 3.

BUS 320 Business Finance

This course introduces the student to the theories and techniques of managing capital sources and uses within the framework of shareholder wealth maximization. Lecture, problems, cases. Prerequisites: BUS 290, ECO 201J, ECO 202J, ACC 202 or MAT 212 and junior standing. Cr 3.

BUS 327 Investment Management

This course provides the planning and management of investment programs for all types of investors. It evaluates the various media of investments in terms of their risks and profits. The functions of the stock market and its behavior are examined. Prerequisite: ACC 201 and junior standing. Cr 3.

BUS 340 Management

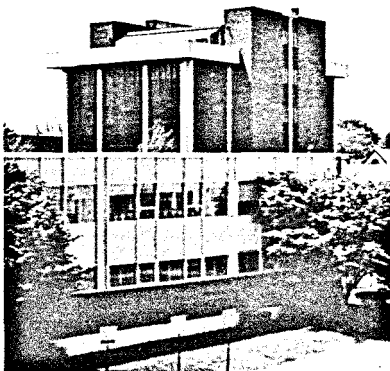
This is a comprehensive introductory survey of the problems encountered by managers and the practices they employ in planning, organizing, leading, and controlling organizations. The role of the general manager in business is explored, as is the behavior of other individuals and groups within business organizations. Among the various topics covered are: development of management as a discipline, motivation, power, leadership, strategic management, decision making, organizational design, job design, information and control systems, and other areas related to the functions and process of management. Prerequisite: junior standing. Cr 3.

BUS 360 Marketing

This is an introduction to the field of marketing normally through the use of a computer simulation game. The concepts of market segmentation, marketing mix strategy, and market systems development are presented along with an analysis of consumer behavior and the need for marketing research. Prerequisites: ACC 201, BUS 290 and junior standing. Cr 3.

BUS 367 Managerial Marketing

Students gain experience making marketing decisions as managers of a computer-simulated firm. The emphasis is on applying a "systems" approach to marketing decision making and on integrating knowledge gained in the other functional business areas into a strategic market planning framework. Prerequisites: BUS 360, BUS 371 and junior standing. Cr 3.



BUS 375 Production/Operations Management

This course is an introduction to the problems and topics associated with the management of production operations and the delivery of services. The primary emphasis is upon the design of model-based planning and control systems. Specific applications of such systems are used to illustrate general concepts as well as implementation difficulties. Prerequisite: BUS 371. Cr 3.

BUS 450 Business Management and Policy

This course discusses administrative practice at the higher levels of business management through case analysis and discussion. The course attempts to coordinate the background of business majors in the formulation and administration of sound business policy. Prerequisites: BUS 320, BUS 340, BUS 360, BUS 371 and senior standing. Cr 3.

BUS 490 Independent Readings and Research

Selected topics in the various areas of accounting, finance, management, and marketing may be studied and researched on an independent basis. Prerequisites: senior standing and permission of the instructor and chair of the department. Cr 1-6.

Graduate Business

MBA 605 International Business

This course studies the business firm in the international environment using the model of the multinational firm. It focuses on the application of international trade and investment theory to the management operations of the multinational firm through use of computer simulation gaming, case studies, and experiential exercises. Prerequisites: MBA 501, MBA 502, MBA 503, MBA 504, MBA 505. Cr 3.

MBA 627 Investment Management

This course involves a systematic and in-depth treatment of security analysis and portfolio management. The security analysis segment develops E-I-C methodology augmented by deterministic valuation models. A major empirical analysis is carried out in conjunction with the theoretical developments. The portfolio management segment develops Markowitz efficient sets and the subsequent developments as contained in Sharpe-Lintner-Mossin theory. Related readings in Fama-Roberts market efficiency tests are assigned as needed. The empirical analysis component of this segment revolves around generating Markowitz efficient portfolios and measuring beta coefficients. Prerequisite: MBA 620. Cr 3.

MBA 691 Independent Study

Selected topics in the area of Business and/or Administration may be studied and researched on an independent basis. Prerequisites: permission of the instructor and the director of Graduate Programs. Cr 3.

Associate Business

ABU 100 Introduction to Business

This course examines the significant relationships between business and the social, political, and economic environment of our society for the purpose of evaluation of goals, values, ethics, and practices in the business world. Historical development of business and capitalism is covered. The industrial and commercial structures and functions in our society are described. Social relationships internal to the firms are explored. Special problems concerning mass production, automation, and employment are discussed along with other current and future issues and problems related to business and our society. Cr 3.

ABU 111 Principles of Accounting I

This is an introduction to the accounting cycle, working papers, and financial statements. A practical emphasis on accounting methodology with coverage of inventory control, cash control, depreciation of plant assets and payroll. Cr 3.

ABU 221 Principles of Real Estate

This is an overview of real estate fundamentals, including rights and interest in land; forms of ownership; contracts; records, and forms; taxes and assessments; appraisals; insurance; brokerage; property management; and land-use control. Cr 3.

ABU 227 Introduction to Stocks and Bonds

This course provides the planning and management of investment programs for all types of investors. It evaluates the various media of investments in terms of their risks and profits. The functions of the stock market and its behavior are examined. Prerequisites: ABU 101, ABU 102, ABU 111, ABU 112, MAT 011. Cr 3.

ABU 260 Marketing

This course studies the marketing organization with a focus on product policies, distribution policies, promotional and pricing policies. Market research is implemented by getting students involved in casework, controversial issues, and local business community projects. Prerequisites: ABU 102. Cr 3.

ABU 271 Independent Study

Selected business topics relating to the student's degree program may be studied and researched on an independent basis. Prerequisites: GPA 2.5, sophomore standing and permission of the instructor and chair of the department. Cr Variable.

ABU 285 ABA Work Internship

This is our student's opportunity to apply their academic training to work experiences in the business world. The student, the SBEM, and an employer make prarranged commitments for a one-semester job in a local business organization. The work must be in an area related to the student's chosen concentration in the ABA program and must be approved in advance by the SBEM Director of Internships. This is open only to second year students in the ABA Program. ABU 286 may be taken after ABU 285 for a maximum of 6 credits in ABA Internship. Cr 3.

Economics

ECO 201J Principles of Economics I

This is a theoretical analysis of the basic characteristics, institutions, and operational activities of a modern capitalistic economy which is involved in the transformation of scarce economic resources into the goods and services demanded by consumers. Topics discussed include inflation, unemployment, government monetary and fiscal policy to achieve full employment, and economic growth. Cr 3.

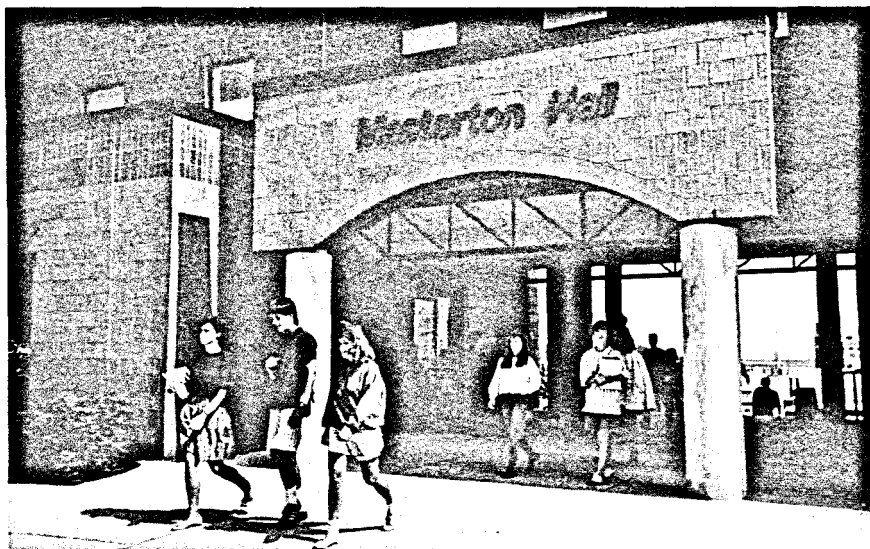
ECO 202J Principles of Microeconomics

This is an introduction to the analysis of individual markets: the functioning of prices in a market economy, economic decision making by producers and consumers, and market structure. Topics discussed include consumer preferences and consumer behavior, production theory and production costs, the monopoly firm, and resource pricing. Additional topics are determined by individual instructors. Cr 3.

ECO 490 Independent Readings and Research in Economics

Independent study and research of various student-selected areas of economics. Prerequisites: senior standing and a completed independent study form (available from Registrar). Cr 1-3.





SCHOOL OF NURSING

Nursing

NFS 252 Human Nutrition

This course is designed to show how the given nutrients serve to meet the metabolic processes required for life. Prerequisites: Anatomy and Physiology; General and Organic Chemistry; Biochemistry. For challenge information of NFS 252, contact the School of Nursing. Cr 3.

NUR 200 Introduction to Professional Nursing

This course introduces the student to historical and contemporary perspectives regarding the nature and scope of professional nursing. It explores the relationship between professional nursing and the broad base of theoretical and empirical knowledge derived from the behavioral and physical sciences and the humanities. It examines the role of the nurse as communication and caregiver with a diverse, multi-cultural population in a variety of settings. Open to any sophomore standing University student. Cr 3.

NUR 304 Transition to Professional Nursing

This course introduces the RN student to the nature and scope of professional nursing. The student studies the theories and concepts that form a basis for professional nursing practice with individuals and families. Nursing process is utilized to define the needs for health promotion, restoration and maintenance for clients at various developmental levels in a variety of settings and in a culturally diverse society. The study of nursing history and the development of nursing theory is initiated. Students use research to develop the role of the professional nurse and to explore family theory, crisis theory, and teaching and learning theory. Legal and ethical issues related to the delivery of health care are discussed. Open to RN or junior standing University students. Prerequisite: NUR 200 or RN license. Cr 5.

NUR 309 Total Health Assessment

This course introduces and develops the knowledge and skills necessary to conduct an in-depth bio-psycho-social-cultural health assessment of well individuals across the life span. Emphasis is placed on data collection through development of communication, interviewing, history-taking and physical examination skills, and data synthesis with identification of nursing diagnoses. Open to RN or junior standing students in the School of Nursing. Permission of the instructor required for non-nursing majors. Cr 3.

NUR 395 Holistic Health

See Special Programs section of this catalog.

NUR 401 Health-Related Research

This is an introduction to health-related research with an emphasis on understanding the research process and becoming a consumer of research. Application of current research findings to nursing practice is a major component of the course. Prerequisite: Statistics; NUR 305 and NUR 355; or permission of instructor. Cr 3.

NUR 407 Leadership and Issues in Professional Nursing

Theories of leadership, organizations, and planned change are presented. The student will analyze systems and methods of health care delivery and identify factors and strategies which inhibit or facilitate change. Professional and ethical issues, legislation, and emerging role in nursing will be analyzed. An experiential component is required and varies with the student's learning objectives and interests. Prerequisites: All laboratory and process nursing courses except concurrent with NUR 405 and NUR 455. Cr 4.

NUR 455 Nursing IV Laboratory

In this course, the student is expected to utilize the nursing process in caring for clients with complex health problems. This experience provides the student with an opportunity to care for culturally diverse individuals, families, and groups with a variety of settings. Must be taken concurrently with NUR 405. Cr 4.

NUR 456 Concepts in Community Health

This course introduces concepts and principles basic to the development and maintenance of community health nursing. The epidemiological process is stressed in surveying current major health issues. Emphasis is on groups in the community at national, regional, and local levels. Senior standing in the School of Nursing is required. Cr 3.

Recreation and Leisure Studies

REC 216 Advanced First Aid and Emergency Care

This course will cover the topics prescribed by the American Red Cross in their advanced first aid course, including respiratory emergencies, artificial respiration, wounds, poisoning, water accidents, drugs, burns, emergency childbirth, emergency rescue and transfer, and other topics. Successful completion of the course requirements will lead to advanced Red Cross first aid certification. Cr 3.

REC 219 Personal Fitness

This course is intended to help students understand the basics of health/physical fitness and the importance of fitness as it relates to total lifestyle. In addition to lecture/discussion, each student will be given the opportunity to go through a personal fitness evaluation. Cr 3.





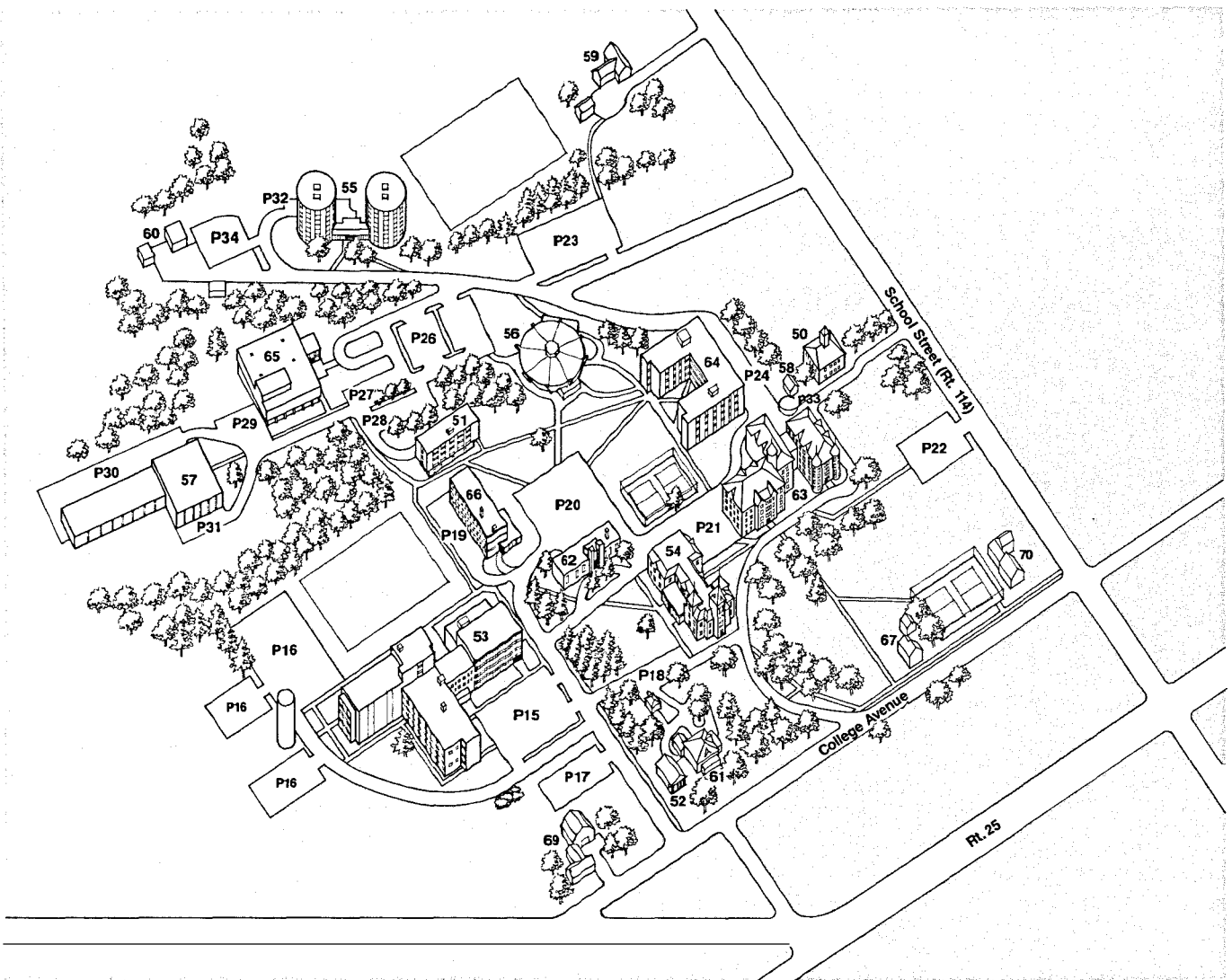
Portland Campus

- 1. Campus Center (Bookstore, Dining Center)
- 2. Alumni House
- 4. Law School/Sponsored Research
- 5. Luther Bonney Hall (Library)
- 6. Payson Smith Hall
- 7. Portland Gymnasium
- 8. Central Heating Plant
- 9. Science Building
- 10. Child Care
- 15. 92 Bedford Street
- 16. 94 Bedford Street
- 17. 118 Bedford Street
- 18. 120 Bedford Street
- 19. 7 Chamberlain Avenue

- 20. 15 Chamberlain Avenue
- 21. 38 Chamberlain Avenue
- 23. 86 Winslow Street (Powers House)
- 24. 209 Deering Avenue
- 25. 228 Deering Avenue
- 26. 11 Granite Street
- 27. 39 Exeter Street
- 28. 45 Exeter Street
- 29. 47 Exeter Street
- 30. 55/57 Exeter Street
- 31. 59/61 Exeter Street
- 32. 65 Exeter Street
- 34. Masterton Hall
- 35. 126 Bedford Street
- 36. 102 Bedford Street

Parking

- P1. Faculty/Staff/Handicap
- P2. Student Commuter
- P3. Student Commuter/ Resident/Faculty Staff
- P4. Faculty/Staff/Visitor
- P5. Faculty/Staff
- P6. Faculty/Staff/Visitor
- P7. Faculty/Staff
- P8. Faculty/Staff
- P9. Faculty/Staff
- P10. Visitor



Gorham Campus

- 50. Academy Building
- 51. Anderson Hall
- 52. Art Gallery
- 53. Bailey Hall (Library)
- 54. Corthell Hall
- 55. Dickey/Wood Hall
- 56. Dining Center
- 57. Industrial Education & Technology
- 58. Mechanical Maintenance Shop
- 59. McLellan House
- 60. Central Heating & Sewerage Plants
- 61. President's House
- 62. Russell Hall
- 63. Robie/Andrews Hall
- 64. Upton/Hastings Hall (Bookstore)
- 65. Warren Hill Gym
- 66. Woodward Hall

- 67. 19 College Avenue
- 69. 51 College Avenue
- 70. 7 College Avenue

Parking

- P15. Faculty/Staff
- P16. Student Commuter
- P17. Faculty/Staff
- P18. Visitor
- P19. Student Commuter
- P20. Faculty/Staff
- P21. Faculty/Staff
- P22. Student Commuter
- P23. Student Resident
- P24. Student Resident
- P26. Student Resident
- P27. Faculty/Staff/Student Resident
- P28. Student Resident
- P29. Faculty/Staff
- P30. Student Commuter/Faculty Staff

- P31. Faculty/Staff
- P32. Faculty/Staff
- P33. Faculty/Staff
- P34. Student Resident

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