Chancellor of the University of Maine: Patrick E. McCarthy
President of the University of Southern Maine: Robert L. Woodbury
Provost of the University of Southern Maine: Helen L. Greenwood
Cover Design by Camille Buch, Office of Publications, University of Southern Maine
## Summer Session Calendar 1985

(Registration continues through the beginning of each session.)

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<td>June 28</td>
<td>June 7</td>
<td>July 12</td>
<td>Aug. 16</td>
<td>Aug. 2</td>
<td>Aug. 16</td>
<td>Dates</td>
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**Residence Halls Open**
(Refer to the Accommodations section of this catalog for more information)
- Sun., May 12: 2:00 p.m.
- Sun., May 12: 2:00 p.m.
- Sun. June 16: 2:00 p.m.
- Sun., June 30: 2:00 p.m.
- Sun., June 23: 2:00 p.m.
- Sun., July 21: 2:00 p.m.

**First Day of Classes**
- Mon., May 13
- Mon. May 13
- Mon., June 17
- Mon., July 1
- Mon., June 24
- Mon., July 22: Variable

**Last Day to ADD or Change Credit or Grade Options**
- *As a general rule, students must add classes prior to the second class meeting*
- May 10
- May 10
- June 14
- June 28
- June 21
- July 19: Variable

**Last Day to DROP WITHDRAW With Grade of ‘W’**
- May 28
- May 21
- June 25
- July 17
- July 7
- July 30: Variable

**Session Ends**
- June 28
- June 7
- July 12
- Aug. 16
- Aug. 2
- Aug. 16: Variable

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**Holidays: University Closed**
- Monday, May 27, Memorial Day
- Thursday, July 4, Independence Day

**Break: June 10-14 No Day Classes**

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

The University of Southern Maine does not discriminate on the basis of race, color, creed, sex, national origin, handicap, or age in the recruitment and admission of students, the recruitment and employment of faculty and staff, and the operation of any of its programs and activities, as specified by federal and state laws and regulations. The designated coordinator for University compliance with these laws is Freda Bernotavicz, Director of Equal Employment Opportunity/Affirmative Action.
University of Southern Maine

Give yourself credit and make the right choice this summer—choose Summer Session at USM

The University of Southern Maine (USM) is a coeducational, public university located in Portland and Gorham, Maine, with an enrollment of over 8,000 students during the regular academic year. The University is accredited by the New England Association of Schools and Colleges. During the summer, over 3,000 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 9:30 p.m., offering classes in liberal arts, teacher preparation, nursing, business, and law. Over 250 credit and noncredit courses will be available to students during the summer of 1985. In addition, unique institutes and programs including the prestigious Stonecoast Writers' Conference, an Elderhostel, a music camp for talented high school students, and an Environmental Science Workshop for teachers will bring people together to share ideas, develop professional expertise, learn new skills, or extend interest. Over 25 special summer programs will be offered on the University campus, as well as on Mackworth Island in Falmouth and at Wolfe's Neck Farm in Freeport.

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

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. Corbell 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, Robert L. Woodbury.

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 University of Maine School of Law and University administrative offices; and a modern science building which houses the Southworth Planetarium, considered to be one of New England’s finest.

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 classes in the downtown area.
Summer in Maine—a blend of educational, cultural, and recreational activities.

Summer offers a blend of the educational, cultural, and recreational. Three stage productions, *Cabaret*, *Man of La Mancha*, and *Relatively Speaking*, are planned by our award-winning theatre department. Poetry readings, music concerts, planetarium shows, art exhibits, and nature walks will enrich your campus stay. Complete and modern gymnasiums are headquarters for our popular Lifeline programs which are available to summer students.

Students are encouraged to take advantage of the University’s ideal location. An attractive vacation area, southern Maine offers a plethora of 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 afford 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.

Summer Selections

This summer, the University of Southern Maine will host a variety of activities for the entire family. These will include:

**Theatre**: a spectacular season that will include *Man of La Mancha*, *Cabaret*, and *Relatively Speaking* is planned.

**Music**: the second summer concert series featuring the Southern Maine Concert Band will take place on the Gorham campus.

**Art**: USM’s Art Gallery will again host a special exhibit.

**Lectures**: a variety of lectures of interest to all will be held, including an international lecture series with visiting scholars and a public policy lecture series on such contemporary issues as the “four generation society.”

**Films**: a blend of the contemporary and the nostalgic will make the summer film festival at USM exciting and unique.

**The Outdoors**: for those in love with the outdoors, a series of bird walks and nature walks will be hosted free of charge.

**Planetarium**: with shows every Friday and Sunday evenings, this summer will prove to be both entertaining and educational.

**Wolfe’s Neck**: a series of nature walks and marine life lectures will be held amid the rich resources of Wolfe’s Neck Farm.

For more information regarding these special Summer Selections, contact the Summer Session Office at 780-4076.
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 Session office for more information.

<table>
<thead>
<tr>
<th>Office</th>
<th>Location</th>
<th>Telephone Number</th>
<th>Contact Person</th>
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<tbody>
<tr>
<td>Advising and Information</td>
<td>110 Payson Smith (Portland)</td>
<td>780-4040/4059</td>
<td>Richard Sturgeon</td>
</tr>
<tr>
<td>Department</td>
<td>109 Corthell Hall (Gorham)</td>
<td>780-5340</td>
<td>John Farrar</td>
</tr>
<tr>
<td>Department of Conferences</td>
<td>100 Payson Smith (Portland)</td>
<td>780-4074</td>
<td>Kevin Russell</td>
</tr>
<tr>
<td>Financial Aid</td>
<td>202 Corthell Hall (Gorham)</td>
<td>780-5250</td>
<td>Richard Campbell</td>
</tr>
<tr>
<td>Off-Campus Programs</td>
<td>68 High Street, Portland</td>
<td>780-4470</td>
<td>Kathleen Bouchard</td>
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<tr>
<td>Professional Development Center</td>
<td>305 Bailey Hall (Gorham)</td>
<td>780-5315</td>
<td>George Lyons</td>
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<td>Joyce Martin</td>
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<tr>
<td>Registrar's Office</td>
<td>113 Corthell Hall (Gorham)</td>
<td>780-5230</td>
<td>John Keysor</td>
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<tr>
<td>Residence Life</td>
<td>100 Upton Hall (Gorham)</td>
<td>780-5240</td>
<td>Chuck Lamb</td>
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<tr>
<td>Summer Session</td>
<td>228 Deering Ave. (Portland)</td>
<td>780-4076</td>
<td>Susan Silvernail</td>
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<td>Gorham Campus (after May 13)</td>
<td>780-5264</td>
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<tr>
<td>Business Office</td>
<td>128 Payson Smith (Portland)</td>
<td>780-4026</td>
<td>JoAnn Bell</td>
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<td></td>
<td>110 Corthell Hall (Gorham)</td>
<td>780-5200</td>
<td>Anita Higgins</td>
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Extended Hours for Registration

<table>
<thead>
<tr>
<th>Office</th>
<th>Location</th>
<th>May 13-14</th>
<th>July 1-2</th>
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<tr>
<td>Advising and Information</td>
<td>110 Payson Smith</td>
<td>(8:00 a.m.-7:30 p.m.)</td>
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<tr>
<td>Summer Session Office</td>
<td>Gorham Campus</td>
<td>(8:00 a.m.-7:30 p.m.)</td>
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<tr>
<td>Business Office</td>
<td>128 Payson Smith</td>
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Institutes for Educators

The Professional Development Center of the College of Education sponsors special summer programs for graduate and recertification credit. Call 780-5315 for further information.

Sharpening Skills in Writing and Critical Thinking (EDIS 430-51)
May 14, 21, 28, June 4 (4-7 p.m.) and May 18, June 1 (9-12 noon)
An 18-hour workshop and practicum for active professionals, particularly prospective applicants to graduate programs in education. The course provides guided practice in clear, persuasive writing and analysis of graduate-level readings. Recertification credit. For additional information, contact the Professional Development Center, 305 Bailey Hall, Gorham, Me. 04038 (207)780-5315.

Teaching about Global Issues (EPD 528-51)
June 19-July 3
This course is designed for elementary and secondary teachers who want to internationalize existing curriculum or organize new courses in world affairs. The concept of interdependence, with its implications for the United States role within the world community will be explored. Instructional strategies and resource aids will be emphasized. Graduate/recertification credit. For further information, contact the Professional Development Center, 305 Bailey Hall, Gorham, Me. 04038 (207)780-5315. Location of course: Morse High School, Bath, Me.

The Economic Education Workshop (EPD 529-51)
June 20-July 3
This workshop is designed for teachers to develop an understanding of basic economic concepts in order to integrate economic education into their curriculum. No prior knowledge of economics is necessary. Through a self-designed project, the needs of teachers of all grade levels will be addressed. Graduate/recertification credit. For further information, contact the Professional Development Center, 305 Bailey Hall, Gorham, Me. 04038 (207)780-5315.

Institute in Gerontology Education: The Aging Worker (HRD 654-51)
June 24-July 12
This institute will assist human resource personnel, adult educators, and other helping professionals to increase knowledge and develop skills relating to the older worker. The status of older persons in American society, social and public policy aspects of aging and work, the assets and liabilities of the aging worker, and opportunities for innovative workplace designs will be treated. Graduate/recertification credit. For further information, contact the Professional Development Center, 305 Bailey Hall, Gorham, Me. 04038 (207)780-5315.

Southern Maine Writing Project (EPD 520-51)
June 24-July 12
Affiliated with the National Project Network, SMWP will conduct an intensive three-week writing institute for classroom teachers and language arts specialists. The course is designed to develop materials and presentations for subsequent in-service workshops in Maine schools. Graduate credit. Also offered at mid-coast site, July 17-August 2. For further information, contact the Professional Development Center, 305 Bailey Hall, Gorham, Me. 04038 (207)780-5315.

Project for the Development of Instructional Support Teams (EPD 525-51)
July 1-July 19
This project has a two-fold objective: participants will expand their own repertoires of instructional strategies and develop a capacity to coach other teachers in the acquisition and use of these skills. The instructional theories and strategies of Madeline Hunter (Mastery Teaching) and Bruce Joyce (Models of Teaching) will be analyzed, demonstrated, and practiced. Procedures for observing and coaching teaching will be developed. Graduate/recertification credit. For further information, contact the Professional Development Center, 305 Bailey Hall, Gorham, Me. 04038 (207)780-5315.

Mental Health Needs of Hearing Impaired Children and Their Families (EPD 626-51)
July 8-July 12
This course, to be held on Mackworth Island, is sponsored by the Governor Baxter School for the Deaf and the University of Southern Maine. Areas central to mental health issues of the hearing impaired will be examined. The psychology of deafness, the needs of the deaf and their families, intervention strategies, and the development of support services are the topics to be examined. Graduate/recertification credit. For more information, contact the Professional Development Center, 305 Bailey Hall, Gorham, Me. 04038 (207)780-5315.
The Community, the Environment, and You (EDIS 437-51)
July 8-August 2
This course, developed by the Star Foundation, explores the essential resources of water, food, shelter, energy, and water. The interrelatedness of our resources, current technology, and possible solutions to environmental problems will be explored through theoretical and historical perspectives, as well as field trips to community sites. The program is designed for teachers of grades 6-12 with or without a background in science education. Recertification credit. For further information, contact Peter Naiden, Science Department, North Yarmouth Academy, Yarmouth, Me. 04096 (207) 846-9051.

Course location: North Yarmouth Academy, Yarmouth, Me.

Educational Implications of Language Disorders (EPD 527-51)
July 18-July 19
This course includes the study of diagnostic tools for identifying language disorders; the effect of language disorders on reading and speech; pragmatic curriculum adaptations to meet the needs of the language impaired; and the psychological aspects of language disorders and their effects on learning. Graduate/recertification credit. For further information, contact the Professional Development Center, 305 Bailey Hall, Gorham, Me. 04038 (207) 780-5315.

In Celebration of Children's Literature (EDIS 438-51)
July 17-July 19
An institute immersing the participants in the wonders of children's literature. Drawing upon the talents of authors/illustrators, storytellers, critics, poets, university and master teachers/librarians, the course will provide participants with skills to use literature in exciting ways with students. Teachers, administrators, specialists, librarians, and parents are welcome. Recertification credit. For additional information, contact the Professional Development Center, 305 Bailey Hall, Gorham, Me. 04038 (207) 780-5315.

Teaching Science and Social Studies in the Elementary School: A Site Approach (EDIS 431-51)
August 5-August 9
This course provides an opportunity for educators to explore and develop curriculum using local sites to enrich the teaching of science and social studies. Using three Maine sites as models (Wolfe's Neck Farm, Mast Landing Sanctuary, and the Pettingill Farm), participants will explore the philosophy and techniques of outdoor interpretation with the intent of adapting methods to their own school environments. Recertification credit. For further information, contact the Professional Development Center, 305 Bailey Hall, Gorham, Me. 04038 (207) 780-5315.

Arts Education Institute (EPD 503-51)
August 12-August 17
This institute is designed to provide a variety of arts experiences and arts education strategies for elementary classroom teachers who wish to incorporate more arts in their educational programs. Graduate/recertification credit. Contact: Joanna Moore, 8 Robie-Andrews Hall, Gorham, Me. 04038 (207) 780-5468.

Dance/Movement Education Institute (EDIS 386-51)
August 19-August 23
This course is designed to give elementary classroom and physical education teachers the skills and self-confidence needed to utilize movement in their classrooms, in lesson planning, and as an auxiliary tool in teaching academic concepts. Recertification credit. For additional information, contact the Professional Development Center, 305 Bailey Hall, Gorham, Me. 04038, (207) 780-5315.

International Seminar in Educational Leadership: A Search for Excellence (EDUI 501-51)
June 26-July 16
The course includes travel to Ireland, England, Scotland, and France with discussions and lectures on historical, cultural, and educational aspects. The program offers tours of schools and school-related organizations and the matching of participants with role counterparts. Emphasis is on staff development, teacher centers, pastoral care, and the educational standards in schools and supportive agencies. Sightseeing, theatre, shopping. Graduate credit. Contact: the Professional Development Center, 305 Bailey Hall, Gorham, Me. 04038. (207) 780-5315.
Elderhostel

Week I: July 14-20
Week II: July 21-27

Elderhostel, a network of over 400 colleges, universities, and other schools, combines the best tradition of education and hostelng. The USM Elderhostel offers week-long academic programs to people over the age of 60 or to those whose spouse or companion qualifies.

The University of Southern Maine will offer two weeks of Elderhostel this summer. The courses being offered in this summer’s Elderhostel are both challenging and exciting. The courses are noncredit and are taught by University faculty members. There are no exams, no grades, and no required homework. The courses in general do not presuppose previous knowledge of the subject. Lack of formal education is not a barrier. Whether you’ve finished grade school or earned a Ph.D., if you have an adventurous spirit, you’re perfect for Elderhostel.

The registration fee for one week of Elderhostel at USM is $195.00. This includes tuition, room and board for the week (Sunday dinner through Saturday lunch), and the various extracurricular activities available to hostelers. For local Elderhostelers who do not wish to live on campus, the registration fee is $95.00. The program will be held on the Gorham campus.

To register, please send your name, address, age, and Social Security number, along with the Elderhostel week you want to attend to: Elderhostel, Department of Conferences, University of Southern Maine, 96 Falmouth Street, Portland, Me. 04103.

The course offerings for each of the Elderhostel weeks are as follows:

Elderhostel Week I
July 14-20
The Arabs and the Middle East
A brief account of the history of the Arab people in relation to other people and events in the Middle East—from the 6th century through modern times. How have events been shaped by cultural heritage?
Abraham Lincoln and Hannibal Hamlin
A discussion of Lincoln, a figure of intrinsic value and enduring fascination, and his vice-president, Hannibal Hamlin, one of Maine’s finest statespersons. Why is one immortal and the other forgotten?

Elderhostel Week II
July 21-27
Fact and Fancy: New Biological Ideas
An exploration of several current ideas and inventions in biology (e.g., cloning, artificial organ science, surrogate parenthood, etc.).
How do they work? What do they mean for society?
The Soviet Citizen and his World
An examination of the diversity of peoples and a look at the way the “ordinary” Soviet family goes about its day, its patterns and levels of consumption, its aspirations and view of the world.
The Age of Computers
This course will examine the use of computers in our personal lives and will offer the participant “hands-on” experience with microcomputers.

Literature of Selected Women Writers
Women novelists and poets have explored the entire range of human experience. This course will survey the short stories and poems of selected women writers and consider the voices of women on women and society.
Field Camps

Geography Field Camp (GEO 206)

Utilizing the expertise of geographers from the University of Maine at Orono, University of Maine at Farmington, and the University of Southern Maine, the three-credit Geography Field Camp will involve urban development in the town of Freeport, agricultural land use and mapping at Wolfe's Neck Farm, historical geography at Pettingill Farm and geography/archeology on some of the offshore islands in Casco Bay.

Students will reside at the Recompence Camp Sites at Wolfe's Neck Farm in Freeport, Maine. Located next to Wolf Neck State Park, the area combines the excitement of development with a rich historical perspective. The Geography Field Camp has no prerequisites. For more information, contact: Frank Hodges, chairman, Department of Geography/Anthropology, 300/320 Bailey Hall, 37 College Ave., Gorham, Me. 04038. 780-5320.

Geology Field Camp (GEY 350)

This basic course in geological field methods will introduce students to the tools and practical techniques used in collecting, compiling, and analyzing geological data, including area geology, topographic and aerial photo mapping, and structure and stratigraphic sections. Students will be required to submit maps and accompanying structure and stratigraphic sections and brief reports of assigned projects within the work areas. From the major field station at the University of Southern Maine (Gorham campus), students will be assigned projects along the coast of southern Maine. Included in this area are deformed Lower Paleozoic metamorphic rocks, and igneous rocks of the New Hampshire and White Mountains plutonic series. The last week of the course, students will travel to the University of Maine at Machias campus to study the Middle Paleozoic volcanic and fossiliferous sedimentary rocks of northern Maine. For more information contact: Stephen Pollock, Department of Geosciences, USM. 37 College Ave., Gorham, Me. 04038 780-5351.

A Maine Sailing Adventure

A Maine Sailing Adventure is an intensive, one-week experience in which participants will learn boating safety, sail handling, and navigation on board a sailboat in beautiful Casco Bay. Participants will live aboard the the vessel, learning all the basics of cruising seamanship and detailed chartwork in addition to receiving full training in dead reckoning, loran, and celestial navigation.

A Maine Sailing Adventure will be taught by Coast Guard-licensed captains Tom Power and Larry Wheeler, who will use their own vessels for the course. Power's vessel, the Nefertiti, is a 36-foot clipper ketch and Wheeler's is a 55-foot schooner named Blackbird. Both Nefertiti and Blackbird are U.S. Coast Guard-documented vessels. The course will be offered during three consecutive weeks this summer and credit is available for an additional fee. The weeks are: June 9-15, June 16-22, and June 23-29. For more information contact the Summer Session Office at 780-4076.

Whale Watch

Join other adventure seekers on a whale watch excursion on Sunday, June 30. We will be traveling aboard the M/V CETACEA out of Newburyport, Massachusetts, with Scott Mercer, marine biologist and co-author of The Great Whale Watch Book and Tim Deitz, author of Tales of Whales and Tales of the Sea.

Fee: $25.00. Please call Community Programs at 780-4045 for details. Register early.
Freshman Programs

The Advising and Information Department will sponsor special programs designed with the new freshman in mind. For more information, contact 780-4040.

Early Start Program

The Early Start program is designed to provide eligible students with the opportunity to begin their academic course of study prior to their first full semester at USM. Students will participate in coursework which meets math and writing proficiency requirements of the University and also in activities which will enhance their academic skills in the areas of study habits, time management, library research, and others. It is hoped that this program will enable students to "get a jump" on meeting University requirements and begin the fall semester by taking courses that meet their specific degree requirements.

Students who accept the invitation to participate in the Early Start Program will attend classes and activities for the six-week session beginning June 24 and ending August 2. The program will run four days per week (Monday-Thursday), with courses and activities beginning at 8:15 a.m. and ending at 4:00 p.m. each day.

Summer Start Program

The Summer Start program is designed to provide students with the opportunity to begin their degree program prior to their first full semester at USM. Participation in the program is highly selective and only those students identified as having the unique characteristics needed to be involved in an intensive program will be considered. Summer Start will allow new freshmen to meet and interact with their colleagues, both in a College Writing course and in specially designed activities, as well as to experience the full flavor of college through enrollment in one of our regularly scheduled summer courses. Summer Start is our way of introducing you to USM, providing you with opportunities to meet new people and learn new things, and to help you get a "jump" on the fall semester by starting with six academic credits.

Students who are selected to participate in the Summer Start Program will take classes during the four-week period beginning June 17 and ending July 12. The program will run four days per week (Monday-Thursday), with courses and activities beginning at 8:15 a.m. and ending at 4:00 p.m. each day.

Symposium For The Adult Learner At USM
(4 Saturdays
10:00 a.m.-2:00 p.m.
August 10, 17, 24, and September 7, 1985)

The purpose of this four-week discussion series is to assist and encourage adult learners in their educational adventure. It is specifically designed for adults who will be starting college at USM during the fall 1985 semester. The hope of this program is twofold: to address some of the questions, fears, and expectations that returning to school might involve, and to help you feel more comfortable and confident with this new part of your life. The entire symposium will be structured in terms of questions and problems, rather than answers and solutions; this might better enable you to sort out some of these issues and begin a meaningful dialogue with the University of Southern Maine.
International Study

Courses at King Alfred's College

The University of Southern Maine, in cooperation with King Alfred's College in Winchester, England, will sponsor three courses during Summer Session 1985 to be held at King Alfred's and taught by that college's faculty. For more information, contact the Summer Session office at 780-4076.

The English Heritage
July 14-August 3
Tuition and Fees: $1,400.00

This course will demonstrate how a sequence of key moments and events in English history and culture have combined to produce a rich inheritance of ideas, policies, and attitudes that still survive. Beginning with the Roman conquest of Britain, the course will investigate the extent and nature of Roman influence, the origins of English Puritanism and its massive effects on colonial America, as well as the English and American Revolutions. Imaginative insights into the social effects of industrialization and agrarian change will be offered through the work of Charles Dickens and Thomas Hardy. The course will conclude by considering a selection of American travel writings on England. (6 credits)

The Industrial Revolution: Archeology, History, and Culture
July 14-August 3
Tuition and Fees: $1,500.00

This course sequence approaches the study of the Industrial Revolution from two perspectives, each of which forms the subject of a three-credit course. The courses are:
- The Archeology of the Industrial Revolution
  This course concentrates on the study of the physical remains of past industry. It will consider the techniques of archeological investigation and explores the information gained from them in relation to several of the major industries of the British Industrial Revolution, including the textile and iron industries, the canals, railways, etc.
- The Industrial Revolution and British Culture
  This course considers industrialization as an historical process and as a theme in literature. It investigates the historical evidence for the causes, development, and consequences of industrialization, and the reflection of the Industrial Revolution in popular culture and in the literature of the nineteenth century.

The two courses run parallel for the three weeks and are closely integrated. Emphasis will be placed on the use of audio/visual presentations and films. Visits to London and York have been arranged as part of the program. (6 credits)

Introduction to Practical Archeology
August 4-August 31
Tuition and Fees: $1,900.00

The summer field school is designed to combine training in research methods of archeology and geography. Students will receive intensive training in methods of site excavation and materials analysis. The excavation site is at Worthy Down, Winchester, a rural settlement site with a series of settlement foci and structures which have spread along the hillside and on top of each other over a long period between at least the fourth century B.C. and the fourth century A.D. The site is situated on a hilltop of one of the Hampshire chalk "downland" ridges. The course will run on the basis of five working days per week and will include five evening sessions distributed throughout the four weeks and visits to other excavations and sites such as Stonehenge. (6 credits)
Courses at University College Galway, Ireland
Courses at University College Galway, Ireland

For additional material regarding these courses, contact the Summer Session office at 780-4076.

International Seminar: Education in Ireland
June 27-July 20
This program is designed to offer an opportunity to study aspects of the Irish educational system and, concurrently, to study the history, literature, and culture of Ireland.

Ireland and the Irish: Geographic Perspectives
July 2-July 31
This course is designed for students of geography and related disciplines who wish to increase their knowledge of Ireland and the Irish. Students should have a deep interest in the course subject and be prepared to read extensively about Ireland.

Courses in Irish Studies
June 26-July 27

Anglo-Irish Literature
This course will study the principle lines of development in Anglo-Irish drama, fiction, and poetry, and also the works of the greatest Irish writers, including Yeats, Joyce, Synge, O’Casey, and Heaney.

Irish History
An intensive study of some of the key themes in modern Irish history: Anglo-Irish relations since the sixteenth century; the land question; emigration; and the evolution of political institutions in modern Ireland.

Irish Society
A comprehensive study of Irish society including: family, kinship and economic structures; the educational system; the impact of religion; rural and urban communities; social change and social problems in contemporary Ireland.

Gaelic Culture
The aim of this course is to introduce students of all disciplines to the numerous and varied facets of Gaelic culture. It will embrace in particular Gaelic literature, archaeology, folklore, and music.
Programs for Health Professionals

The Department of Continuing Education for Nursing and Health Professions sponsors numerous activities for health professionals during the summer, as well as during the academic year. For more information, contact the Department at 780-4150.

People with Pacemakers
May 3, 1985
Designed for RNs and LPNs, this workshop will focus on the care of the person prior to or following pacemaker implantation. Susan Doughty, R.N., M.S.; 0.6 CEUs; $55.00

DRGs and Financial Management: The Role of First Line and Middle Managers
May 9, 1985
This is a one-day workshop designed to meet the challenge of financial management level under the prospective pricing system. The focus will be the role of nurse managers in financial planning, developing, monitoring, and controlling the unit budget. Hollie Vanderree, R.N., M.S.; 0.6 CEUs; $55.00

Pacemakers in the Critically Ill Client
May 10, 1985
This workshop will emphasize care of the critically ill client with pacemaker insertion. Susan Doughty, R.N., M.S.; 0.6 CEUs; $55.00; at U. Maine at Augusta.

The Child with Cancer
May 17, 1985
Designed for all health professionals, this workshop focuses on the physical, emotional, nutritional, and psychological aspects of caring for a child with cancer. Nancy Noyes, R.N., M.S.; 0.6 CEUs; $55.00

Seminar for Camp Nurses
June 21, 1985
An update of the nurse’s role in an organized camp setting will be provided in this one-day workshop. Louise Capryna, R.N., M.S.; 0.6 CEUs; $55.00

State Board Review in Nursing
June 17-21, 1985
This concentrated review is designed to prepare the senior student/graduate nurse for the licensure exam for registered nurses and includes strategies for successful test-taking.

LifeLine

What is LifeLine All About?
The University of Southern Maine LifeLine Adult Fitness Program is a comprehensive approach to total fitness through various 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. For further information, contact LifeLine at 780-4170.

Aerobic Fitness Programs
Walk/Jog (10-week sessions—Registration on-going)
Walk/Jog is a program designed for the sedentary person who is not in good physical condition. This aspect of LifeLine is essentially a routine of walking/jogging, calisthenics, stretching, and relaxation techniques. Exercise begins slowly and progresses each week.

Aquatics (10-week session—starts Monday, July 15, 1985—Registration Deadline: Friday, June 28, 1985)
Aquatics is a cardiovascular exercise program for those who prefer swimming. Non-swimmers may also participate, as many of the exercises can be performed in the shallow end of the pool. A combination warm-up/water calisthenics routine is followed by a peak exercise period where heart rates are elevated to improve cardiorespiratory endurance. The exercise session ends with a cool-down period of slow walking and swimming, and final stretch downs on the pool deck.

Aerobic Dance (10-week session—starts Monday, July 15, 1985—Registration Deadline: Friday, June 28, 1985)
Aerobic Dance is a choreographed exercise program focusing on aerobic conditioning, muscular endurance, postural flexibility, and relaxation. Simple dances ranging from slow stretching warm-ups to strenuous rhythmic routines are followed by mat work to improve muscle tone, strength, and flexibility. Various relaxation techniques are explored at the end of each class.

Health Education Programs
Stress and Lifestyle (6-week session—Wednesdays 7:00-9:00 p.m.—To be announced)

No Smoking (4-week session—Tues. and Thurs. 7:00-8:30 p.m.—To be announced)
Primary purpose is to help the smoker identify reasons for smoking and then to provide skills for quitting.

Weight Reduction (9-week session—Tuesdays 5:30-7:00 p.m.—To be announced)
Small group sessions taking a multi-sided approach to weight reduction. Emphasis on individual identification and solution to problem eating behaviors.

Leisure Learn (6-month or yearly membership—Registration on-going)
The USM Portland Gymnasium facilities are available to the public. Leisure Learn provides group activities, leagues, clinics, and physical fitness opportunities for its members. Activities and equipment for racquetball, handball, squash, volleyball, basketball, jogging, tennis, table tennis, and dance are offered. The LifeLine Office also presents clinics in CPR, racquetball, outdoor running, fly casting, hiking, yoga, square dancing and many other activities.

Rehabilitation Programs
Heartline (10-week session, starting August 19)
Heartline is a physician-supervised program of cardiac rehabilitation for post-coronary and high-risk people. The program uses walking and jogging to recondition people who need close supervision while exercising. All Heartline participants must be referred by their physicians.
Pulmonary Rehabilitation (10-week session—starts Tuesday, August 20, 1985—Tues. and Thurs. 11:00-12:00 noon)

Pulmonary Rehabilitation provides exercise, education, and proper medical management for people with chronic obstructive pulmonary disease. Participants must be referred by their physicians.

Low Back Pain (6-week session—starts Monday, July 15, 1985—Mon. and Wed. 12:45-1:30 p.m. or 4:30-5:15 p.m.)

This program provides progressive low-level exercise routines and educational sessions designed to improve postural and muscular strength and endurance, body flexibility, and relaxation techniques. Medical clearance required for all participants regardless of age.

Senior Lifeline (10-week session—registration on-going—Mon., Wed., Fri. 10:30-11:15 a.m.)

Senior Lifeline provides cardiovascular conditioning, determined by individual age-predicted heart rates for people over age 60. Exercises include stationary bike riding, walking, or a combination of walking and jogging.

Weight Training Programs

Bodyshop (6-month or yearly membership—registration on-going—open daily)

Weight-training equipment including Nautilus, Universal, and free weights helps people improve their posture and strength in a supervised program of weight training. The program also includes exercycles, treadmills, and rowing.

Youth Bodyshop (8-week session, starting May 6, 1985)

Supervised training for boys and girls ages 14 to 17 using the Lifeline Bodyshop program teaches proper conditioning values and techniques, increases muscular strength, endurance, flexibility, and cardiovascular conditioning.

Special Offerings

White Water Canoeing on the Saco
Saturday, June 15; 9:00 a.m.-4:00 p.m.

Flat Water Canoeing on the Saco
Saturday, July 6; 9:00 a.m.-4:00 p.m.
Saturday, July 20; 9:00 a.m.-4:00 p.m.

Overnight Hikes
Mt. Washington, July 13-14
Baxter State Park, August 2, 3, 4

Beginning Yoga
10-week session, beginning
Monday, May 13; 7:00-9:00 p.m.

Intermediate Yoga
10-week session, beginning
Wednesday, May 22, 7:00-9:00 p.m.

Racquetball
4 consecutive Wednesdays, beginning
June 5, 7:45-8:45 p.m.

For more information, contact the Lifeline Office at 780-4170.
Stonecoast Writers' Conference
July 14-26

The Stonecoast Writers' Conference is for students and teachers 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 remarkable record of written achievement.

In order to best place students in the most appropriate writing course, it is recommended that students send samples of their poetry or fiction and a brief description of educational background and interest with a stamped, self-addressed envelope to: Kenneth Rosen, Director, Stonecoast Writers' Conference, English Department, University of Southern Maine, 96 Falmouth St., Portland, Me. 04103

The Courses
Writing the Contemporary Novel (ENG 304/504)
A graduate course in advanced writing. Undergraduates welcome with permission of the director. According to William Carlos Williams, "a short story is about one thing; a novel is about many related things." This workshop is for writers whose fiction requires the space and scope of the novel form. 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. Cr. 3
Instructors: Madison Smartt Bell, Diane Benedict, and Carolyn Chute

Fiction Workshop (ENG 302/502)
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. Cr. 3
Instructors: Greg Barron and Theodore Weesner

Poetry Workshop (ENG 303/503)
An advanced course on writing poetry. Intensive class discussion of students' poems, with follow-up conferences with the instructors. Class assignments will explore contemporary poetic techniques and perspectives. Cr. 3
Instructors: Kenneth Rosen, Paul Nelson, and Chase Twichell

The Faculty
The faculty for this year's conference include: Madison Smartt Bell, Theodore Weesner, Greg Barron, Paul Nelson, Chase Twichell, Diane Benedict, Carolyn Chute, and Kenneth Rosen.

Taft Institute
July 8-19

The Taft Seminars for teachers give teachers and librarians of elementary and secondary schools the opportunity for lively participation with public officials, political activists, and university instructors in a two-week program. The Taft Institute is a resident program offering academic credit, board and room, tuition, texts, and other allowances for participants. For more information, contact: Professional Development Center, 305 Bailey Hall, Gorham, ME 04038 (207) 780-5315.
Programs for Children and Youth

During Summer Session 1985, the University will offer an array of overnight and day programs for children and youth from infancy through age 18. The programs are designed to address all facets of the child: social, recreational, artistic, athletic, and educational. Older children (11-14) may enroll in a specialty camp prior to or following participation in the day camp programs.

Developmental Day Camp

Ages: infants through 14. For more information, contact USM Child Care Services, 780-4125.

Preschool Program
Ages: Infancy-6
Dates: May 13-August 30
Featuring a “child-centered program of fun and discovery through hands-on experiences and recreational activities.

Youth Day Camp
Ages: 6-14
Dates: June 17-August 30
Full day broad-based program providing hiking, sailing, crafts, swimming, nature studies, sports and the arts, plus experiential learning opportunities for stimulating social and academic skills.

Flex Care
For family convenience, all Day Camp programs are organized around the notion of “Flex-Care,” where children have the option to participate for only half days or just for certain hours during the full Day Camp program.

Specialty Programs

Children’s Art Workshop
Ages: 7-11
Dates: June 24-July 19
This program emphasizes planned studio experiences in a variety of art media. Children will begin with two-dimensional art projects and move on to three-dimensional. Field trips and a final exhibition are planned.

Computer Camp
Ages: Junior and senior high school students
Dates: August 11-16
The USM Computer Camp is offered to junior and senior high school students who have some programming experience and have written and “debugged” their own programs. It is structured to allow students the time and resources to explore a variety of topics and learn new computer and programming skills. Current computer professionals will present seminars and workshops on topics ranging from assembly language and graphics to file handling and user groups.

Southern Maine Music Camp
Ages: High School Students
Dates: July 7-20
The Southern Maine Music Camp is a two-week, concentrated musical experience for high school students. Major ensembles offered this summer will include concert band, jazz band, and choir. In addition the campers will be involved in chamber music, basic music theory and history, and music theater. The major ensemble conductors will be Peter Martin, concert band, and Bob Russell, choir. These conductors will be joined by other instructors and guest lecturers throughout the two weeks in areas such as voice, percussion, piano, brass, woodwind, theory and history. Several faculty recitals will be presented and the closing concert will provide an exciting climax to the camp.

SWISH Basketball Camp
Girls’ Camp: June 23-28
Sr. Boys’ Camp: August 4-8
Jr. Boys’ Camp: August 11-16
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 St. Anselm’s College, 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 7-12
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 Janet Willis, head field hockey coach at South Portland High School. She will be joined by other 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
COED Junior Week (ages 11-14):
July 14-19
Boys’ Senior Week (ages 15-17):
July 21-26
In its 11th year, the USM Summer Soccer School has developed into one of the best soccer programs in New England. It 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.

Gymnastics Camp
Ages: Girls, 9-18
Dates: June 30-July 5
The goal of the program is to shape a well-rounded gymnast by emphasizing a balance between practicing fundamentals and incorporating new skills. The TEN-O Camp is designed to meet the needs of each gymnast whether they are preparing for serious gymnastics competition or for simple gymnastics enjoyment. No experience is required, merely an interest and willingness to learn, participate, and work hard. All campers will be assigned to teams with others at the same age and ability level.

For more information or to register...

Developmental Day Camps and Children’s Art Workshop, contact USM Child Care Services, 780-4125.

All Other Programs, contact Department of Conferences, 780-4074.
Other USM 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 two-year master of arts degree program in public policy and management requires 54 credit hours including academic coursework, field projects, an internship, and a policy memorandum. Core courses are organized in three strands: policy development, policy analysis, and public management. The concentration is achieved through elective courses, field experiences, and the policy memorandum. 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 one particular policy field.

For more information contact: Mark R. Shedd, director; Public Policy and Management Program; University of Southern Maine; 96 Falmouth Street, Portland, Me. 04103.

University of Maine School of Law

The University of Maine School of Law offers a summer program of courses, June 3 through July 26. 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.

Schedule Legend

Each course listing contains the following information (refer to headline at top of each page): campus or off-campus location*; course number; course section; course type; course title; college; credit hours; time; days; building**; room; instructor; course size; session course is offered.

*P=Portland campus; G=Gorham campus; TA=Saco Center; S=Sanford Center; BB=Bath Center; X=other off-campus location.

**The building abbreviations are PHYS=Payson Smith Hall; BAIL=Bailey Hall; LB=Luther Bonney Hall; RA=Robie/Andrews Basement; ACAD=Academy Building; SCI=Science Building; GYMP=Portland Gymnasium; IEDC=Industrial Education Center; CORF=Corthell Hall; GYMG=Hill Gymnasium; RUSS=Russell Hall; LAW=Law School Building.
## Course Schedule

<table>
<thead>
<tr>
<th>TOWN COURSE SEC</th>
<th>TYPE</th>
<th>COURSE TITLE</th>
<th>COL</th>
<th>HRS</th>
<th>TIME</th>
<th>DAYS</th>
<th>ROOM</th>
<th>INSTRUCTOR</th>
<th>MAX SIZE</th>
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<tr>
<td>GEO 206 01 LEC</td>
<td>LEC</td>
<td>FIELD CAM IN GEOGRAPHY</td>
<td>CAS</td>
<td>3.0</td>
<td>8:15-11:30</td>
<td>MW</td>
<td>LUTHER 403</td>
<td>SCHRIFER E</td>
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<td>ARS 111G 01 LEC</td>
<td>LEC</td>
<td>HISTORY OF ART I</td>
<td>CAS</td>
<td>3.0</td>
<td>7:00-9:40</td>
<td>MW</td>
<td>LUTHER 403</td>
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<td>ART 101G 01 LEC</td>
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<td>APPROACHES TO ART</td>
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<td>MW</td>
<td>LUTHER 403</td>
<td>ISAKSON J</td>
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<td>FRANKLIN P</td>
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<td>PAINTING-WATERCOLOR</td>
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<td>MW</td>
<td>LUTHER 424</td>
<td>BEAUCHAIN J</td>
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<td>ART 271 01 EDO</td>
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<td>PHOTOGRAPHY</td>
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<td>RA 5</td>
<td>MARSDEN R</td>
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<td>SCULPTURE</td>
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<td>RA 3</td>
<td>MUEGEL L</td>
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<td>ART 412 01 EDO</td>
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<td>TEXTILES-WEAVING</td>
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<td>COLEMAN H</td>
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<td>MICROBIOLOGY AND DISEASE</td>
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<td>MICROBIOLOGY AND DIS LAB</td>
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<td>MEDIA AND CHILDREN</td>
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<td>REG MEDIATION INTERACT</td>
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<td>SMALL GROUP COMMUNICATION</td>
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<td>MEANING AND COMMUNICATION</td>
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<td>LUTHER 509</td>
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**Arts & Antiquity**

**Biography**

**Chemistry**

**Communication**

**Core Curriculum**

**English**

**Geography & Antiquity**

**Introduction**

**Arts & Antiquity**

**Biography**

**Chemistry**

**Communication**

**Core Curriculum**

**English**

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The course schedule is for the fall semester of 2019. Courses marked with an asterisk (*) are offered online only. Please check with your advisor for further details.
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**FRENCH LANG & CLASSICS**

P Fre 107 1 1 LAB INTENSIVE BEGIN FRENCH CAS 1.0 11:15-12:15 MW THF PAYS 203 ROZOVSKY F 25 5
P Fre 107 0 1 LAB INTENSIVE BEGIN FRENCH CAS 5.0 8:15-11:30 MW THF PAYS 206 ROZOVSKY F 25 5
P Fre 399 0 1 LAB MAORISTE DURAS-LANGUAGE CAS 3.0 8:15-11:30 MW THF PAYS 202 DIBENNETTO L 25 5

**GEO-SCIENCE**

P Ge 111X 0 1 LAB PHYSICAL GEOLOGY CAS 3.0 7:00-9:40E THF SCI 533 NOVAK I 25 1
G Ge 350 0 1 LAB GEOLOGICAL FIELD METHODS CAS 6.0 8:30-5:00 MW THF BALL 312 POLLICK S 28 7

**HISTORY**

P Hy 101I 0 1 LEC WESTERN CIVILIZATION I CAS 3.0 7:00-9:40E THF LUTI 403 COLE P 30 1
P Hy 102I 0 1 LEC WESTERN CIVILIZATION II CAS 3.0 7:00-9:40E THF LUTI 403 VENTRESKO F 40 4
P Hy 121I 0 1 LEC U.S. HISTORY TO 1877 CAS 3.0 7:00-9:40E THF LUTI 302 KENT H 40 4
P Hy 122I 0 1 LEC U.S. HISTORY SINCE 1877 CAS 3.0 7:00-9:40E THF LUTI 302 WHITMORE A 40 4
P Hy 299 0 1 LEC THE HUMANIST POLICY, PRACTICE AND RESPONSE CAS 3.0 7:00-9:40E THF PAYS 211 HARE P 40 4

**INFORMATION SYSTEMS**

P Hy 299 0 2 LEC THE HUMANIST CAS 3.0 A A A HOLDEN C 25 7

**STUDY ABROAD**

P Hy 300 0 1 LEC HISTORY INTERNSHIP CAS 3.0 A A A EASTMAN J 10 7
P Hy 321 0 1 LEC HISTORY OF MAIN CAS 3.0 4:00-6:40E TTH LUTI 302 EASTMAN J 40 1
P Hy 331 0 1 LEC HISTORY OF BLACK AMERICANS CAS 3.0 8:15-11:30 MW THF LUTI 503 WHITMORE A 30 3
P Hy 534 0 1 LEC MAINE HISTORY AND TRAVEL CAS 3.0 LUTI 403 YORK R 30 7

**CLASS MEETS JUNE 24TH, 28TH, JULY 5TH, 12TH (11:00-5:00) AND JUNE 29TH, JULY 6TH (8:30-5:00)**

**MATH & COMPUTER SCI**

G Cos 1000 0 1 LEC COMPUTERS AND SOCIETY CAS 3.0 4:00-6:40E MW THF BAIL 107 ESTES R 30 1
G Cos 1000 0 2 LEC COMPUTERS AND SOCIETY CAS 3.0 12:30-3:45 MW THF BAIL 107 ESTES R 30 3
P Cos 140D 0 1 LEC PROGRAMMING IN FORTRAN CAS 3.0 7:00-9:40E THF SCI 208 KENT H 30 1
P Cos 160D 0 1 LEC STATISTIC SYSTAX CAS 3.0 4:00-6:40E THF PAYS 204 IRVING J 30 1
P Cos 230 0 1 LEC PROGRAMMING IN C-as CAS 3.0 7:00-9:40E MW THF SCI 208 KENT H 30 1
G Cos 234 0 1 LEC COMP. TEST FOR FEB. 1973 CAS 3.0 8:15-10:30 MW THF BAIL 102 KRAETZER R 30 7

**CLASS MEETS JUNE 17TH-24TH; JULY 25TH**

G Cos 549 0 1 LEC COMPUTER SCIENCE CAS 3.0 8:00-12:00 MW THF BAIL 101 KRAETZER R 20 7

G Mat 010 0 1 LEC ELEMENTARY ALGEBRA CAS 3.0 7:00-9:40E MW THF BAIL 104 MULLIN W 30 1
P Mat 010 0 2 LEC ELEMENTARY ALGEBRA CAS 3.0 7:00-9:40E MW THF PAYS 207 REINECKE J 30 1
P Mat 011A 0 1 LEC INTERMEDIATE ALGEBRA CAS 3.0 7:00-9:40E MW THF PAYS 207 REINECKE J 30 1
P Mat 011B 0 1 LEC INTERMEDIATE ALGEBRA CAS 3.0 7:00-9:40E MW THF BAIL 104 MULLIN W 30 1
P Mat 100D 0 1 LEC GEOMETRY CAS 3.0 7:00-9:40E MW THF PAYS 209 SMELL D 30 3
P Mat 100D 0 2 LEC GEOMETRY CAS 3.0 8:15-1:45 MW THF PAYS 209 SMELL D 30 3

**CLASS MEETS JUNE 17TH-24TH; JULY 25TH**

P Mat 104D 0 1 LEC TOPICS IN MATH I CAS 3.0 8:15-10:30 MW THF PAYS 301 AUSTIN J 30 7
P Mat 105D 0 1 LEC LINEAR SYSTEMS CAS 3.0 7:00-9:40E THF PAYS 204 IRVING J 30 1
P Mat 110D 0 1 LEC ELEMENTARY ANALYSIS CAS 3.0 7:00-9:40E THF PAYS 207 REINECKE J 30 1
P Mat 110D 0 2 LEC ELEMENTARY ANALYSIS CAS 3.0 10:00-11:30 MW THF PAYS 209 SMELL D 30 3

**CLASS MEETS JUNE 17TH-24TH; JULY 25TH**

P Mat 123D 0 1 LEC INTRO TO STATISTICS CAS 3.0 7:00-9:40E THF PAYS 205 ROGERS P 30 1
P Mat 123D 0 2 LEC INTRO TO STATISTICS CAS 3.0 10:00-11:30 MW THF PAYS 205 ROGERS P 30 1
P Mat 140D 0 1 LEC INTRO TO STATISTICS CAS 3.0 8:15-10:30 MW THF PAYS 208 MACDONALD S 30 4
P Mat 140D 0 2 LEC INTRO TO STATISTICS CAS 3.0 7:00-9:40E THF PAYS 211 SMELL R 30 4
P Mat 152D 0 1 LEC CALCULUS A CAS 4.0 8:15-10:30 MW THF PAYS 208 MACDONALD S 30 4
P Mat 153D 0 1 LEC CALCULUS B CAS 4.0 5:00-7:00 MW THF PAYS 306 CHABOT M 30 7
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TOWN COURSE SEC TYPE COURSE TITLE CR COL HRS TIME DAYS BLDG ROOM INSTRUCTOR MAX SIZE SESSION

UNDERGRAD EDU

G EDU 699 01 LEC INDEPENDENT STUDY CE 1-6.0 A A A DEDDY J 10 7

G EDU 200 01 LEC STUDIES-EDUC FOUNDATIONS CE 3.0 8:15-11:30 MW BAIL 403 COLucci N 25 2
G EDU 210 01 LEC THINK FOUND EDUCATION CE 3.0 12:30-3:45 MW BAIL 110 NEUBERGER H 20 6
G EDU 301 01 LEC ELEMENTAL CURRICULUM CE 3.0 8:15-11:30 TH BAIL 404 MORRILL D 25 2
G EDU 303 01 LEC DEVELOPMENTAL READING I CE 3.0 8:15-11:30 TH BAIL 403 AMICANDO H 25 3
G EDU 305 01 LEC TEACH ELEMENTS MATH CE 3.0 12:30-3:45 MW BAIL 102 TAR 25 5
G EDU 308 01 LEC TEACH ELEMENTS SCIENCE CE 3.0 8:15-11:30 MW BAIL 110 NEUBERGER H 25 6
G EDU 321 01 LEC DEVELOPMENTAL READING II CE 3.0 8:15-11:30 TH BAIL 321 WOOD M 20 5
G EDU 322 01 LEC REMEDIAL READING CE 3.0 8:15-11:30 MW BAIL 204 AMICANDO H 25 5
G EDU 336 01 LEC CHILDREN'S LITERATURE CE 3.0 7:00-9:40E TH BAIL 205 HOLMAN C 25 1

ADULT EDUCATION

G HRD 600 01 LEC ADULT EDUCATIONAL RES DEV CE 3.0 4:00-6:40 MW BAIL 207 CAILLEDON W 25 1
P HRD 640 01 LEC Elem Educ in Org Set CE 3.0 4:00-6:40 MW BAIL 302 WARREN B 25 4
P HRD 645 51 LEC GERONTOLOGY/LDL EDUC CE 1-6.0 7:00-9:40E TH MITH 302 BRADY M 50 7

G HRD 687 01 LEC INTERNSHIP IN ADULT EDUC CE 1-12.0 A A A BRADY M 10 7

FOR MORE INFORMATION CONTACT THE ADULT EDUCATION DEPT

G HRD 679 51 LEC DEEP/DEEP DEEP CE 3.0 6:00-9:15E MW BAIL 321 BRADY M 25 7

COUNSELING

G HRD 333J 01 LEC HUMAN GROWTH/DEVELOPMENT CE 3.0 8:15-11:30 MW BAIL 205 DAVIS C 25 2
G HRD 333J 02 LEC HUMAN GROWTH/DEVELOPMENT CE 3.0 4:00-6:40 TTH BAIL 318 SEWEGY D 25 4
G HRD 604 01 LEC LIFE SPAN DEVELOPMENT I CE 3.0 7:00-9:40E MW BAIL 207 DAVIS C 25 4
G HRD 605 01 LEC LIFE SPAN DEVELOPMENT II CE 3.0 7:00-9:40E TTH BAIL 318 SEWEGY D 25 4
G HRD 620 01 LEC FUNDAMENTALS COMM SKILLS CE 3.0 4:00-6:40 TTH BAIL 403 SUTTON J 20 1
G HRD 626 01 LEC GROUP PROCEDURE CE 3.0 7:00-9:15 MW BAIL 321 GINIFER J 12 7

G HRD 665 01 LEC PSY MEASURE & EVALUATION CE 3.0 7:00-9:40E TTH BAIL 404 SUTTON J 25 1
G HRD 686 01 LEC INTERNSHIP IN COUNSEL. EDUC CE 1-6.0 A A A SMITHBOURG R 10 7

G HRD 690 01 LEC INTR COMM PRACTICE CE 3.0 4:00-6:40 MW BAIL 401 SMITHBOURG R 10 7

G HRD 698 01 LEC DIRECTED STUDY CE 3.0 A A A BRADY M 10 7

G HRD 699 01 LEC INDEPENDENT STUDY CE 1-6.0 A A A CAILLEDON W 10 7

G HRD 680 01 LEC INSTRUCT IN GROUP COUNSELING CE 3.0 8:15-11:30 MW BAIL 205 GINIFER J 12 7
G HRD 683 01 LEC ADOLESCENT DEP & SUICIDE CE 3.0 8:00-11:45 MW BAIL 322 CARROLL 30 7

INDUSTRIAL EDUCATION

G ITT 369 01 LEC INSTRUCT IN GROUP COUNSELING CE 3.0 8:15-11:30 MW BAIL 205 GINIFER J 12 7

G ITT 370 01 LEC OCCUPATIONAL ANALYSIS CE 3.0 7:30-9:40E TH BAIL 320 WRIGHT J 30 1
G ITT 380 01 LEC COMPUTER IN EN & TECH I CE 3.0 4:00-6:40 TTH BAIL 323 ANDERSON A 20 1
G ITT 344 01 LEC RELATED OCCUPATIONAL SKILLS CE 3.0 8:00-1:45 MW BAIL 322 CARROLL 30 7

G ITT 343 01 LEC EXP EDUC OUTWARD BOUND CE 3.0 A A A BOUDOUX J 20 7
G ITT 345 01 LEC TEACH TRAINING EXP EDUC CE 3.0 A A A BOUDOUX J 20 7

EDUCATIONAL ADMIN

G EDU 604 01 LEC CURRICULUM DEVELOPMENT CE 3.0 8:15-11:30 TH BAIL 204 FOSTER C 25 1
G EDU 670 01 LEC INTRO TO ADMINISTRATION CE 3.0 8:15-11:30 TH BAIL 204 DEDDY J 25 5

PHYSICAL EDUCATION

G PEH 102 01 LEC INDEPENDENT ACTIVITIES CE 1-2.0 A A A HEGDON P 20 7

G PEH 242 01 LEC EXP EDUC OUTWARD BOUND CE 3.0 A A A BOUDOUX J 20 7
G PEH 243 01 LEC EXP EDUC OUTWARD BOUND CE 6.0 A A A BOUDOUX J 20 7
G PEH 353 01 LEC TEACH TRAINING EXP EDUC CE 6.0 A A A BOUDOUX J 20 7

G PEH 244 01 LEC EXP EDUC OUTWARD BOUND CE 9.0 A A A BOUDOUX J 20 7

FOR MORE INFORMATION CONTACT THE INSTRUMENT CENTER
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**Professionnal Teacher**

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Course Descriptions

College of Arts and Sciences

Art

ARH 111 History of Art I
Examination and discussion of the early epochs of art from prehistoric cultures through the Renaissance. Special attention is directed to the relationships of historical and theoretical knowledge to creative expression. Divergent viewpoints of the art historian, the critic, and the artist are explored. The first half of an overview of the visual arts emphasizing the interrelationships of cultural values and the forms of art. Prerequisite: preference given candidates for matriculation in the Department of Art, or those with permission of the instructor. Cr 3.

ARH 112 History of Art II
A continuation of ARH 111 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. Prerequisite: preference given candidates for matriculation in the Department of Art, or those with permission of the instructor. Cr 3.

ART 101 Introduction to Art
Selected experiences using original works, lecture, panel discussion, 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 perceptions of visual form. 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 courses. Cr 3.

ART 263 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. Cr 3.

ART 271 Photography
Photography as a creative medium. Introduction to basic skills in the use of the camera and darkroom equipment. Investigation and practice in the fundamental techniques and processes of black and white photography as an art form. Prerequisite: art core courses. Cr 3.

ART 291 Sculpture
A foundation course directed towards the developing awareness of basic elements of sculptural form and the discipline of making objects. Prerequisite: art core courses. Cr 3.

ART 412 Textiles
Introductory exercises with elementary weaves, the harness loom, backstrap, and inkle looms, and tapestry weaving. The student is encouraged to experiment with fibre construction. The emphasis is on fundamentals. Prerequisite: art core courses. Cr 3.

ART 422 Animation and Beyond
For beginning and advanced students. Students will make a short animated movie using drawings, paper cut-outs, or using personal imagery can be made by advanced students. Cr 3.

Chemistry

CHY 100 Foundations for College Chemistry
A course designed to help students who are inadequately prepared to complete successfully the CHY 113-116 (Chemical Principles) sequence, either on the basis of their own perceptions or of their scores on two chemistry placement tests. The course will review basic chemical principles commonly presented in high school chemistry and emphasize solving mathematical problems commonly done in freshman college-level chemistry. Two lectures and one recitation session per week. No prerequisite. Offered each semester. Cr 2.

CHY 101 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 chemi-
CHY 102 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 3.

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 lectures per week (usually concurrent with CHY 104). Prerequisite: grade of C or better in CHY 101. Not appropriate for chemistry or biology majors. Spring. 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. Offered spring semester. Corequisite: CHY 103. Not appropriate for chemistry or biology majors. Cr 1.

Communication

COM 102 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 150 Business Communication
A lecture-discussion course in business communication, emphasizing industrial, managerial, and labor communication. Investigation of theory, models, nets, barriers to communication, and other topics, including basic methods and techniques of internal business communication. Cr 3.

COM 190 Media and Children
This course will examine media designed for the child audience. The class will view the wide spectrum of children's media, and critically examine them in terms of their potential prosocial and antisocial effects. The readings and discussions will cover various theories and research models that address themselves to the impact of media on the young audience. Cr 3.

COM 280 Mass Media and Human Interaction
Mass Media and Human Interaction concentrates on the history and effects of mass communication in our society. Through readings and independent research, the student will explore the content and social consequences of our rapidly changing telecommunication technology. Media to be discussed include print, broadcasting, and cable. Cr 3.

COM 290 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, problem solving, communication flow, and other variables relevant to actual small-group interactions. Cr 3.

COM 299 Creative Television Processes
The general purpose of this course is to enhance understanding of TV processes by introducing students to several basic visual aspects of reality as mediated through a camera lens. Topics covered will include techniques of lighting, camera angles, perspective, shot distance, cutting to continuity, and montage. Students will use 35 mm. cameras to produce assignments on color slides. These will be used in class discussion in conjunction with illustrations taken from magazines which demonstrate the same techniques. In addition to learning some rudiments of visual language, students will examine visual persuasive strategies used in magazines and television advertising, political photographs, documentary images, and other relevant forms. Cr 3.

COM 399 Meaning and Communication
This course examines the process of assigning meaning. It focuses on discourse, i.e., verbal communication. We will consider such topics as inference, presupposition, conversational structure, speech acts, hedging, transitivity, and coherence. Emphasis will be placed upon applying theoretical ideas to data collected by the seminar members. Cr 3.

COM 430 Communication Internship
An in-depth study of experiences in specific areas of communication which is 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. Cr var.
Core Curriculum

COR 103 Revolution in the Arts
(1850-1918)
A study of the changes in art and music from 1850-1918 in light of cultural and historic events. The team-taught course uses lectures, slides, and live and recorded music. No prerequisites. Cr 3.

English

ENG 100 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. To complete the course successfully, the student must pass a departmental exit examination. The exit examination is an integral part of the course; it may not be taken as a waiver examination. Passing the departmental examination does not, however, guarantee that the student will pass the course. Each instructor has his or her own standards. Students may not take both ENG 100 and 101 for credit. This course cannot be used to satisfy a humanities requirement. (Every semester). Prerequisite: writing proficiency. Cr 3.

ENG 120 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. (Every semester). Prerequisite: ENG 100 or 101 or waiver. Cr 3.

ENG 161 Fiction
An intensive course in the close reading of many kinds of fiction, with an emphasis on the tradition of psychological realism. The different styles and approaches to narrative that characterize writing by men and women in different eras, and the qualities that give superior writing its position of esteem in our culture, will be studied. (Every fall) Cr 3.

ENG 209 Business and Report Writing
Primarily for juniors and seniors majoring in business administration. Training in clear and effective writing of formal reports, business communications, and related materials. (every semester). Cr 3.

ENG 210 News Writing
This course includes news and feature writing with intensive practice in journalistic-writing techniques, accuracy, judgment, and style. (every fall). Prerequisite: ENG 100/101. Cr 3.

ENG 260, 261 Shakespeare
ENG 260 and 261 each feature close readings of approximately seven of Shakespeare's plays, and focus attention both on philosophical and theatrical meanings. The division of plays within the two courses is largely arbitrary. Its intent is to permit students to take a second course in Shakespeare without repeating the readings of the first course. Neither course is introductory or prerequisite to the other. The main difference is that ENG 260 will include a section on the major history plays (Richard II; 1, 2 Henry IV); ENG 261 will include a section on the dramatic fairytales or "romances" that Shakespeare wrote at the end of his career (The Winter's Tale; The Tempest). Beyond that the courses will include the following major plays assigned to each course:

ENG 260: As You Like It, Twelfth Night, Hamlet, Macbeth. (every fall).
ENG 261: Romeo and Juliet, Midsummer Night's Dream, Othello, King Lear. (every spring). Each course: Cr 3.

ENG 280 The 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. (alternate fall). Cr 3.

ENG 291 The Modern Age: American
The purpose of this course is to examine the nature of Modernism as it developed in 20th-century America. Early precursors such as Whitman and Twain will be considered with a view to determining what special issues and techniques developed to express an American Experience. Emphasis, however, will be on major recent writers such as Faulkner, Hemingway, Fitzgerald, Pound, Williams, Katherine Anne Porter, Flannery O'Connor, and selected contemporary poets. (alternate fall). Cr 3.

ENG 302 Fiction Workshop
An advanced course requiring the completion of short stories or a substantial part of a novel. Prerequisites: ENG 202 and instructor's permission. May be repeated for 3 additional credits with instructor's permission. Cr 3.

ENG 303 Poetry Workshop
A course for advanced students who, after experimenting with different approaches and styles, are developing their own themes and voices as poets. Work toward a completed chapbook-length manuscript of high-quality work will be the basis for the course grade. Prerequisites: ENG 203 and instructor's permission. May be repeated for 3 additional credits with instructor's permission. Cr 3.

ENG 304/504 Writing the Contemporary Novel
According to William Carlos Williams, a short story is about one thing; a novel is about many related things. This workshop is for writers whose fiction requires the space and scope of the novel form, and 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. Undergraduates may enter with permission of the instructor. 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. (every year). Cr 3.

ENG 502 Fiction Workshop
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. Cr 3.

ENG 503 Poetry Workshop
An advanced course in writing poetry. Intensive class discussion of students' poems, with follow-up conferences. Class assignments will explore contemporary poetic techniques and perspectives. Cr 3.

Foreign Languages

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.

FRE 399 Marguerite Duras and Language
This course will study the works of Marguerite Duras who is considered by many critics as the most original voice in French literature today and recent winner of the Prix Concours. Playwright, cineaste, novelist, short story writer, Marguerite Duras is experiencing increasing popularity. The course will study the thematic content of her writings in an attempt to define her literary vision and the nature of her response to contemporary social and esthetic problems. The course will also examine her attitude towards women's issues in view of throwing light on her contribution to what could be termed the "feminist dialogue". Lastly, the course will study her unique literary style and how this style in refusing traditional and conventional modes of expression creates a fresh psychological approach towards the world. The course will discuss the connection between Duras' literary style to Michel Foucault's Discours sur le langage and will lastly compare Duras' literary expression to Virginia Woolf.'s. Cr 3.

OCE 100 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. Three hours lecture. Each semester. Cr 3.

OCE 101 Oceanographic 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 100 which may be taken concurrently. One two-hour laboratory session each week. Cr 1.

History

HTY 101 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 102 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 131 United States History 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 132 United States History Since 1877
The course is a continuation of HTY 131. A survey of American political, social, and economic development since about 1877. Cr 3.

HTY 299 The Holocaust: Policy, Practice, and Response
An examination-through readings, discussions and site visits of the political and cultural processes by which previous racial and religious prejudices came to be expressed as national policy by the Third Reich in the 1930s and 1940s, and the consequences of that policy. The course will provide an introduction to the history of the Jews in Europe, followed by a study of the policies of the Nazi government within Germany and in occupied areas to imprison, use the labor of and exterminate Jews, political resisters and “undesirable” racial and social groups. The different national experiences of, and reactions to, the Holocaust will be examined. There are no prerequisites for the course, but some background in European history (including History 102, Western Civilization), and/or familiarity with European languages and literature would be extremely helpful. Cr 3.

HTY 300 History Internship
Professional experience in one of a variety of positions in public and private institutions which utilize the knowledge and research skills of historians. Students work one day per week, keep a journal, write an evaluation, and are visited on the job by a faculty member. Open to selected students; see department chair for details. Graded pass/fail, so does not count for major credit. Can be taken twice. Cr 3.

HTY 318 History of Maine
A survey of Maine's social, economic and political life from exploration and early settlement to the present. Cr 3.

HTY 331 History of Black Americans
An examination of the interaction of black people with American social, political, cultural, and economic institutions. Major topics include the African heritage, components of slavery, abolitionism, segregation, programs of race advancement, and the modern search for identity. Prerequisites: HTY 131 and 132 or permission. Cr 3.

HTY 334 Maine History and Travel
This course provides an opportunity to pursue independent study in Maine history (especially southern Maine) since 1820. Given largely on Fridays and Saturdays in the summer. There will be discussions, oral reports and field trips to a variety of sites located in easy range of USM. Cr 3.

Mathematics & Computer Science

COS 100 Computers and Society
A general course designed for students not majoring in mathematics or computer science. Topics will include: history of data processing technology; study of the tools and methods; the application of computers and their economic and social implications; and an introduction to a programming language. Cr 3.

COS 140 Programming in FORTRAN
A study of programming techniques and applications using FORTRAN. Prerequisite: Two years of high school algebra or equivalent. Cr 3.

COS 160 Structured Problem Solving: PASCAL
A study of problem-solving techniques and applications using PASCAL. This course is primarily for students with a computer science major or minor or a strong serious interest in computer science. Prerequisite: two years of high school algebra or equivalent. Cr 3.

COS 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.

CSE 549 Computer Programming--LOGO
An introduction to the LOGO language for microcomputers. Emphasis will be given to writing computer programs for use in the elementary school classroom beginning with turtle graphics. Cr 3.

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. No prerequisites. Cr 3.

MAT 011 Intermediate Algebra
A continuation of MAT 010. Prerequisite: MAT 010 or one year of high school algebra. Cr 3.

MAT 100 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 104 Topics in Math I
A general course designed for students not majoring in mathematics or computer science. The emphasis will be on the basic concepts encountered in mathematics as well as the applications of mathematics. The topics presented may be interdisciplinary in nature. A student may enroll twice, with the instructor's permission, for an additional three hours of credit not to exceed a total of six credit hours for the course. Prerequisites: two years high school algebra and one year of geometry. Cr 3.
MAT 109 Linear Systems
An introduction to vectors, matrices, and linear systems of algebraic equations and linear programming. Prerequisites: two years of high school algebra and one year of geometry. Cr 3.

MAT 110 Elementary Mathematical Analysis
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 120 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 131 Calculus A
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 152 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 152. Cr 4.

MAT 211 Probability
Common probability laws and distributions of discrete and continuous random variables; matrix operations and applications to 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 232 Geometry for Elementary Teachers
The third 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 constructions, congruence, parallelism, and similarity. Direct and indirect methods of proof are studied but the main approach is intuitive. Prerequisite: MAT 131. Cr 3.

MAT 252 Calculus C
Multivariate calculus and vector calculus. Prerequisite: MAT 153. Cr 4.

Music

MUS 100 Music Appreciation and History
A survey of music from the Gregorian chant to the modern times, covering musical practices of the renaissance, baroque, classical, romantic, and contemporary periods. Representative works by the outstanding composers of each period. Open to all students. Cr 3.

MUS 110 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. Open to all students. Cr 3.

MUS 599 Woodwind Teaching Methods
An advanced course in woodwinds methods. Basics of tone production and embouchure will be reviewed in addition to teaching techniques. The course will be taught over a five day period, each day dealing exclusively with one woodwind: flute, clarinet, saxophone, oboe, bassoon. An expert artist-teacher will teach each instrument. Cr 3.

Philosophy

PHI 101 Introduction to Philosophy: Man and His Will
Is there a human will at all? This course will concentrate on the issue of freedom vs. determinism. The importance of the human will insofar as it influences views of experience, politics, society, etc., will also be considered. Cr 3.

PHI 103 Introduction to Philosophy: Human Alienation
Why does modern man picture himself as alienated from nature and his fellow man? How did the problem of alienation come about? What possibilities exist for overcoming it? This course will deal with these issues and attempt to suggest viable alternatives. Cr 3.

PHI 108 Introduction to Philosophy: Search for God
The concept of a personal Supreme Being, or God, or of an impersonal Universal Creative Energy has been a driving and dividing force in the history of civilization. This course will examine a broad spectrum of problems, issues, and areas of concern including such themes as: Can the existence of God be proven rationally; do the great religions of the world have a common core of experience that unifies them, or are they essentially incompatible; has science made religion obsolete; is religion a matter of faith or reason or both; what is the nature of the mystical experience; what is meant by such terms as God, immortality, soul, karma? Philosophers from both the East and the West will be read in the context of arguments both for and against the need, intelligibility, and meaning of God and religion. Cr 3.
Political Science

POS 101 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 120 Government and Politics of Maine
This course concerns Maine State Government, including legislative, executive and judicial programs and powers as exercised within the system of Maine values, political parties, and interest groups. Open to political science majors and as an elective or special interest to the student who has an interest in the programs and politics of the state of Maine. Cr 3.

POS 299 Under Ireland Today
This course deals with Irish political life, both historical and contemporary. Among the topics to be covered are the Irish Constitution and government; church and state in Ireland; Irish culture and traditions; Northern Ireland and the problem of unification. No previous exposure to political science is required. Cr 3.

Psychology

PSY 101 General Psychology I
An introduction to the study of behavior as a natural science. Among the topics covered are: method of inquiry, psychological 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 101. It deals with complex psychological processes such as ability testing, personality, conflict, behavior disorders and therapy, and social and industrial behavior. Prerequisite: PSY 101. Cr 3.

PSY 224 Adolescent Development
A systematic study of the behavioral and psychological development of the adolescent. The adolescent personality and problems of adjustment in relation to the family, the school and the community. Prerequisites: PSY 101 and 102. Cr 3.

PSY 235 Psychology of Women
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. NOTE: This course does not count toward major credit. Prerequisites: PSY 101 and 102. Cr 3.

PSY 330 Social Psychology
The psychological principles which enter into the social behavior of the individual. Areas of consideration include perception, communication, attitude formation, interpersonal attraction, and group behavior. Prerequisites: PSY 101 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. Psychological, social, and biological factors which contribute to maladjustment are examined. Prerequisite: PSY 101 and 102. Cr 3.

PSY 361 Sensation and Perception
An examination of perceptual processes in selected sensory systems. Emphasis on experimental methodology, research findings, and theoretical interpretations. Prerequisites: PSY 201 and 205. Cr 3.

Sociology

SOC 100 Introduction to Sociology
The fundamental concepts, principles, and methods of sociology; analyzes the influence of social and cultural factors upon human behavior; evaluates effect of group processes, social classes, stratification, and basic institutions on contemporary society. Cr 3.

SOC 200 Social Problems
Application of a sociological frame of reference to selected contemporary issues. Guides the student toward an understanding of why and how issues develop, how particular social groups are affected by them, and what is involved in dealing with them. Specific topics considered vary from term to term, and from section to section. Descriptions of current topics are available in the sociology department office. Students should consult these descriptions before registering for the course. Course may be taken only once for credit. Does not count for credit towards the sociology major or minor. Prerequisite: SOC 100 or permission of instructor. Cr 3.

SOC 330 Sociology of the Family
A sociological approach to the study of the family, including the structure of social relationships, the modern American family as a social institution, the cultural background of the family, and the impact of social change. Prerequisite: SOC 100 or permission of instructor. Cr 3.

Social Welfare

SWE 397 Independent Study
Cr 1-15.

Theatre

THE 101 Introduction to Drama
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 120 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 imagination, creative, and technical abilities. Course utilizes movement, sensitivity, mime, and improvisational exercises. (Taught spring and fall semesters.) Cr 3.
THE 170 Public Speaking
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 199 Summer Theatre Production

THE 199 Broadcast History
An examination of events, discoveries, and people as they relate to the development of radio and television broadcasting. Discussion of how the media has impacted changed our society over the past 6 decades. Cr 3.

THE 290 Oral Interpretation
A course in 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 understanding and responsiveness to literature and to develop the ability to convey to others, through oral reading, an appreciation of that literature. Cr 3.

THE 391 Reader's Theatre
A study of principles and techniques utilized in the performance of a literary work in the Reader's Theatre style. Emphasis is on providing new insights into the material through oral performance. Cr 3.

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 Education

EDU 301 Elementary School Curriculum
This course is designed to provide an overview of the influences, methods, and materials that affect curriculum design in the intermediate grades. Emphasis is given to four factors affecting curriculum development: (1) goals and objectives; (2) sources of content; (3) teaching strategies; and (4) evaluation. Prerequisite: HRD 333. Cr 3.

EDU 303 Developmental Reading I
A basic course encompassing the developmental reading program. Content includes the major stages of reading progress, specific instructional methods and materials and informal diagnostic techniques. Students are exposed to the characteristics of reading at different levels. Case studies are used to highlight instructional practices. Cr 3.

EDU 305 Methods of Teaching Elementary School Mathematics
The content of this course will focus on developing techniques for teaching mathematics to elementary grade pupils. The course will be conducted mainly in the setting of a mathematics resource center, featuring manipulative devices appropriate to teaching mathematics concepts. Prerequisites: MAT 131, HRD 333, and EDU 301. Cr 3.

EDU 308 Teaching Elementary School Science
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: HRD 333 or 335. 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. Cr 3.

EDU 322 Remedial Reading
The course presents typical reading disabilities, including methods for diagnosing and planning corrective strategies. Consideration is given to methods and techniques appropriate for general classroom use. Prerequisite: a basic course in reading. Cr 3.

EDU 336 Children's Literature
This course emphasizes a creative, interdisciplinary approach to children's books, an understanding of the interests and developmental tasks of the child, and, by precept and example, methods of individualizing reading. The student will be expected to read children's books widely and in depth. Cr 3.

IEV 460 Independent Study in Vocational Education
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.

IEV 1310 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: ITP 370 and IEV 305. Cr 3.

ITP 320 Occupational Safety
Theory of industrial safety with emphasis on fundamental concepts in the industrial environment. Emphasis will be placed on the psychological, sociological, and physiological aspects of industrial safety. Consideration will be given to OSHA and its impact on the work environment. Cr 3.
ITP 350 Conference Leading
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 Occupational and Trade Analysis
Identification of occupational or trade fields, units, operations, and items of related information. Cr 3.

ITP 380 Computers in Industry and Technology
A study of emerging and current computer applications utilized in industry and technology. Computer operation, programming fundamentals, computer-aided design, graphics, interfacing, and application programs relating to industry. Provides a basic knowledge of computer concepts and general applications and the impact of computers on industrial technology. Lecture and lab. Cr 3.

ITTI 440-51 Related Occupational Experiences
(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 industry-sponsored approved 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, of International Typographical Union, qualify under this course option.

OPTION NO. 2 Approved employment with a company may qualify a student under this option. Arrangements must be approved by the adviser in advance. The experience 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 with a maximum of five 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 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 242 Experiential Education: Outward Bound
The course has two major parts: (1) training period and (2) final expedition. During the training period students are instructed and participate in sail theory, navigation, seamanship, first aid, rock climbing, camping skills and environmental awareness. The final expedition is designed to allow the student an opportunity to demonstrate the application of each newly learned skill. All students will participate in a solo. An experience of self-isolation in a natural environment, designed for self-reflection. In addition, the mission of Outward Bound is to develop respect for self, care for others, responsibility to the community and sensitivity to the environment. This course qualifies for the P.E. requirement. Fee required. Cr 3.

PHE 243 Experiential Education: Outward Bound
The course has two major parts: (1) training period and (2) final expedition. During the training period students are instructed and participate in sail theory, navigation, seamanship, first aid, rock climbing, camping skills and environmental awareness. The final expedition is designed to allow the student an opportunity to demonstrate the application of each newly learned skill. All students will participate in a solo. An experience of self-isolation in a natural environment, designed for self-reflection. In addition, the mission of Outward Bound is to develop respect for self, care for others, responsibility to the community and sensitivity to the environment. This course qualifies for the P.E. requirement. Cr 3.

PHE 353 Teacher Training in Experiential Education
A 28-day course for educators designed to blend the lessons of experiential education with more traditional forms of learning. Students will participate in a sailing expedition with instruction in developing teaching styles, methods of experiential education in inside/outside the classroom, improving student/teacher relationship and leadership training. This course qualifies for the P.E. requirement. Fee required. Cr 3.

HRD 333 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 multi-disciplinary 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. Cr 3.

Graduate Education

HRD 600 Adult Education and Human Resource Development
Personnel directors, trainers, personnel counselors, career counselors, job designers, manpower forecasters, collective-bargainers, performance evaluators and unit managers are among the many organization members who "develop" the human resources of a work organization. This course examines the theories of human development explicitly or implicitly held by holders of such positions, how divergent or compatible these views are and the probable effects on employees. The course particularly centers on approaches and tools managers use to develop the human resources of an organization in a conceptually consistent, effective, and humane way. A companion course to Human Resource Development in Community Settings, which looks at the interface between community organizations and their clients, this course focuses on the intersection between organizations and their employees. Cr 3.
HRD 604 Life Span Development I
Examines the processes underlying growth, development and behavioral changes of humans from conception through adolescence. The interaction of biological, cognitive, and psychological development during these earlier stages of the life span. Cr 3.

HRD 605 Life Span Development II
Examines the processes underlying growth, development, and behavioral changes of humans from young adulthood through old age to death. The interaction of biological, cognitive, and psychosocial development in adulthood. 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 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 640 Human Resource Development in Organizational Settings
Personnel, directors, trainers, personnel counselors, career counselors, job designers, employment forecasters, collective bargaining, performance evaluators, and unit managers are among the many organizationa members who "develop" the human resources of a work organization. This course examines the theories of human development explicitly or implicitly held by holders of such positions, how divergent or compatible these views are, and the probable effects on employees. The course particularly centers on approaches and tools managers use to develop the human resources of an organization in a conceptually consistent, effective, and humane way. A companion course is Human Resource Development in Community Settings, which looks at the interface between community organizations and their clients, this course focuses on the intersection between organizations and their employees. Prerequisite: none. Cr 3.

HRD 645-51 Gerontology and Adult Education: A Summer Institute
This institute provides the adult educator and the helping professional interested in gerontology with an opportunity to increase knowledge and sharpen program development skills in educational gerontology. After examining demographic trends and considering the needs, interests, and capacities of the older person as an adult learner, attention is given to program development in schools, universities, health agencies, senior centers, housing sites, and other community educational settings. Attention is also given to educational strategies for improving services to older citizens through inter-professional seminars, community coalitions, and programs for families, neighbors, and friends of the elderly person. Educational responses to the needs of older workers is a third Institute program area, focusing on work/career/life planning and new work roles in later years. The overall objective of the Institute is to provide the participant with an intensive and up-to-date background in educational gerontology and create a forum for testing out program development ideas. For further information, contact Ann O'Neil or Will Callender at 780-5316.

HRD 663 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 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 3 to 12 credit hours and is a post-practicum (HRD 690) experience. Prerequisite: approval of the supervising professor. Cr 3-12.

HRD 687 Internship in Adult Education
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 1-12.

HRD 690 Individual Counseling Practicum
This course is an intensive supervised experience in applying professional knowledge and skills to the practice of counseling with individuals. Role playing, video tapes, audio tapes and demonstrations are used in helping each student develop an integrated counseling style. Prerequisite: approval of the supervising professor. Cr 3.

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 1-6.
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 679 Death, Dying and Bereavement
This course examines the phenomenon of death in modern society. Issues such as the meaning of death, the dying process, survivorship, suicide and how death affects individuals of various ages are treated. Special attention is paid to the role of the professional in death education. Cr 3.

HRDX 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. Prerequisite: HRD 626 or equivalent and permission of the instructor. Cr 3.

HRDX 683 Adolescent Depression and Suicide
Methods of detecting potential suicide will be addressed as well as strategies for prevention. In addition, the residual effects of suicide on home, school, and community will be discussed. The reading list must be obtained in advance. Cr 3.

EDU 501 Introduction to Computer Application
This course is designed to orient the pre-service and in-service teacher to terminology, operation, evaluation, and applications of microcomputers, hardware and software, as related to our educational system. Additionally, the course will deal with other more traditional electronic media related to modern learning processes. Cr 3.

EDU 505 Production of Classroom Materials
A course designed to improve the learning environment dealing with local production of instructional materials. The lecture-demonstration method of instruction is employed throughout the course, followed immediately by a lab session in which students produce material appropriate to their needs. Intended primarily for in-service. Cr 3.

EDU 511 Children's Literature
Designed for teachers who wish to develop a deeper understanding of the literature written for children ages 4 - 12, and who want to become competent and creative catalysts in bringing children to books. Attention is given to standards of selection, curriculum implications, and methods for using books to individualize reading instruction. Students are expected to read widely in juvenile collections in order to establish a basis for selecting appropriate literary fare. Cr 3.

EDU 514 Teaching Reading in Content Areas
This course explores techniques and processes that can be applied by content teachers to improve reading ability. Emphasis is on skills that must be applied by students in the content areas and strategies for teaching them how to apply them—a process of integrating the teaching of reading/study skills while teaching a subject matter. The course has practical application for all classroom teachers in grades 4 through 12. Cr 3.

EDU 524 Supervised Practicum in Reading Disabilities
Clinical experiences 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 1-15.

EDU 529 Reading Clinic
Clinical experiences requiring 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 or equivalents. Cr 6.

EDU 600 Research Methods and Techniques in Professional Education
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.

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 is a basic course in curriculum development for classroom teachers and school administrators. Course content will include analysis of curriculum development processes, educational objectives, curriculum and organizational designs, techniques of instruction, and evaluation methodology. Cr 3.
EDU 610 Seminar I: Critical Issues in Teaching and Learning
As the initial course of the Instructional Leadership Program, this seminar 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, thus, contributing the skill in making decisions about curriculum and pedagogy. Cr 3.

EDU 620 Foundations of Reading Instruction
The characteristics of the developmental reading program are examined. Topics are evolved from the major stages of reading progress and include: early reading correlates, reading readiness, initial reading, opportunities for independent reading, wide reading including: vocabulary development, comprehension, study skills, and reading in the content areas. Methods for diagnosing and prescribing for reading are related through case studies of students residing at different stages of reading progress. 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 3.

EDU 659 Education of the Gifted and Talented
An introduction to the nature and characteristics of gifted and talented children. The course will include rationale for differentiated, educational program objectives, identification, and development of creativity, community awareness, in-service training, historical perspectives, and future trends in gifted education. Cr 3.

EDU 670 Introduction to Administration
Required first course for all master’s degree candidates in educational administration. The course introduces theories of administration and provides each student with diagnostic data to conduct a needs assessment as the basis for planning a personalized program of study. Prerequisite: admission to educational administration graduate program. Cr 3.

EDU 671 Organizational Behavior
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 679 Evaluation and Supervision of School Personnel
The course considers the underlying concepts and principles of evaluating school personnel. Readings, lectures, discussions, and simulated activities focus on a variety of evaluation models and strategies which facilitate the appraisal of administrators, teachers, and supporting staff. Attention is directed to how personnel evaluation affects program evaluation. Prerequisite: admission to educational administration graduate program and/or hold a master’s degree. Cr 3.

EDU 699 Independent Study Cr 1-6.

The course includes travel to Ireland, England, Scotland and France with discussions and lectures on historical, cultural and educational aspects. The program offers tours of schools and school related organizations and the matching of participants with role counterparts. Emphasis is on staff development, teacher centers, pastoral care and the educational standards in schools and supportive agencies. Sightseeing, theatre, shopping. Graduate credit. Cr 3.

EPD 503-51 Arts Education Institute
The institute is designed to provide a wide variety of arts experiences and arts education strategies for elementary classroom teachers who wish to incorporate more arts in their educational programs. Graduate credit and recertification available. For more information, contact Jo-Anna Moore at 780-5468. Cr 3.
EPD 520-51 Southern Maine Writing Institute
The Southern Maine Writing Project, a writing project affiliated with the National Project Network, will conduct an intensive three-week writing institute for classroom teachers and language arts specialists designed to develop materials and presentations for subsequent in-service workshops. Graduate credit and recertification credit available. For further information, contact George Lyons at 780-5327. Cr 3.

EPD 525 Project for the Development of Instructional Support Teams
This project has a two-fold objective: participants will expand their own repertoires of instructional strategies and develop a capacity to coach other teachers in the acquisition and use of these skills. The instructional theories and strategies of Madeline Hunter (Mastery Teaching) and Bruce Joyce (Models of Teaching) will be analyzed, demonstrated, and practiced. Procedures for observing and coaching teaching will be developed. Graduation/Recertification Credit. Cr 3.

EPD 526 Mental Health Needs of Hearing Impaired Children and Their Families
This course, to be held on Mackworth Island is sponsored by the Governor Baxter School for the Deaf and the University of Southern Maine. Areas central to mental health issues of the Hearing Impaired will be examined. The psychology of deafness, the needs of the deaf and their families, intervention strategies and the development of support services are the topics to be examined. Graduation/Recertification Credit. Cr 3.

EPD 527 Educational Implications of Language Disorders
This course includes the study of diagnostic tools for identifying language disorders; the effect of language disorders on reading and speech; pragmatic curriculum adaptations to meet the needs of the language impaired and the psychological aspects of language disorders and their effects on learning. Graduation/Recertification Credit. Cr 3.

EPD 528 Teaching about Global Issues
This course is designed for elementary and secondary teachers who want to internationalize existing curriculum or organize new courses in world affairs. The concept of interdependence, with its implications for the United States' role within the world community, will be explored. Instructional strategies and resource aids will be emphasized. Cr 3.

EPD 529 Economic Education for the Classroom Teacher
This course is designed for teachers to develop an understanding of basic economic concepts in order to integrate economic education into their curriculum. No prior knowledge of economics is necessary. Through a self-designed project, the needs of teachers of all grade levels will be addressed. Cr 3.

EPD 530 Storytelling
A course designed for teachers, librarians or individuals interested in the art of storytelling. Content includes techniques, readings, recommended sources and practice sessions. Cr 3.

EXE 605 Practicum in Exceptionality
A field-based course designed to offer experience in teaching exceptional children. Students will work with children in their area of specialization. This course emphasizes assessment, teaching, and development of educational programs and strategies. Cr 3.

EXE 620 Learning Disabilities--Theory and Practice
An examination of the nature and characteristics of children with learning disabilities. The course will include the study of specific learning disabilities encountered in children, historical perspectives and future trends; and the roles of educators, parents, and auxiliary personnel in diagnosis, prevention, and remediation. Cr 3.

EXE 622 Advanced Methods--Learning Disabilities
This course will focus on diagnostic techniques and remedial strategies in working with children with learning disabilities. Assessment techniques, curricular strategies, and prescriptive approaches will be studied with a focus on prevention and remediation of learning disabilities. Cr 3.

EXE 640 Total Communication: Hearing Impaired
This course is intended for teachers of the hearing impaired who will be in a communication environment with hearing impaired students who communicate through a visual-manual mode. The course will cover basic visual-manual communication skills, conversational and educational signs, manual English for educational purposes, and an introduction to receptive American Sign Language (ASL). Included will be readings and discussion concerning total communication approaches, linguistic structures of ASL and forms of manual English, and the role of signs in language teaching. Cr 3.
School of Business, Economics and Management

Accounting

ACC 201 Principles of Financial Accounting
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 Financial and Management Accounting
This course is designed for non-accounting majors. It 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 203 Cost Accounting
Concepts and analytical procedures necessary to the generation of accounting data for management planning and control and product costing. Emphasis is on job costing, process costing, standard costs, and variance analysis and direct costing. Prerequisite: ACC 202 or ACC 301. Cr 3.

Undergraduate Business

BUS 327 Investment Management
Provides the planning and management of investment programs for all types of investors. 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: BUS 320. Cr 3.

BUS 340 Principles of Management
A comprehensive survey of all phases of management in public and private sectors. The influences of human, social, and political factors are interspersed with the treatment of management's structural and technical processes. Analyses focus on such themes as planning, decision making, organizational design, supervisory skills, communications, and information systems. Prerequisites: ECO 201 and ECO 202. Cr 3.

BUS 346 Personnel Management
The selection, training, and management of personnel in private and public sectors, including elements of wage and salary administration, testing, training, and labor relations. Designed for the student interested in administration, office management, or personnel work in education, business, engineering, public service, and other fields. Prerequisite: BUS 340 or permission of instructor. Cr 3.

BUS 349 Women and Management
For both men and women in business, education, and the social services, etc. It explores the changing business and organizational environment created by the increase of women in professional and managerial positions. The course examines theoretical concepts, pertaining to women in management. Both women and men who are or aspire to be managers will benefit from this course. Prerequisites: BUS 340 or permission of the instructor. Cr 3.

BUS 360 Marketing
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, ECO 201, ECO 202, BUS 290, MAT 110, MAT 211. 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. Cr 3.

BUS 371 Operations Research/Management Science
A survey of quantitative methods and tools which are commonly used in sophisticated managerial decision making. Mathematical models are constructed and applied, with the computer's aid, to a wide range of real world business situations. Topical coverage includes decision analysis, inventory models, network analysis, simulation, queuing models, applied stochastic processes, dynamic programming and non-linear programming. Prerequisites: BUS 290, MAT 110, MAT 211, MAT 212. Cr 3.

BUS 395 Cooperative Education/Internship--Business Administration I
The student has the opportunity to relate academic knowledge to practical experience in the business world. The University can make arrangements with certain institutions and/or industries to employ students to fill specific jobs on a semester basis. The student's work is in a related field, and the work experience increases in difficulty and responsibility as the student progresses through the academic curriculum. The work experiences are approved in advance by the director. Open to second-semester juniors and seniors in the School of Business, Economics, and Management with permission. Cr 1-5.

BUS 396 Cooperative Education/Internship--Business Administration II
Open to seniors in the School of Business, Economics, and Management with permission. Prerequisite: BUS 395. Cr 1-5.

BUS 397 Cooperative Education/Internship--Business Administration III
Open to seniors in the School of Business, Economics, and Management with permission. Prerequisite: BUS 396. Cr 1-5.
BUS 452 Organizational Behavior
An analysis of the interplay between individual and group behavior, leadership styles and the culture of an organization. The findings of behavior science are applied to such processes as motivation, influence, the structure of work, organizational design, leader-group relations and organizational change. Models, case studies, simulations, and applications. Prerequisites: BUS 340 or permission of instructor. 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 502 Fundamentals of Accounting
Two individual modules which provide an intensive survey of the fundamentals of financial and management accounting. Includes an appreciation and understanding of (A) generally accepted accounting principles and their application in the preparation and analysis of financial statements; and (B) the theory and tools used to evaluate situations in various business and not-for-profit environments. Cr 1.5 per module.

MBA 691 Independent Study
Selected topics in the areas 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 1-3.

Associate Business

ABU 112 Principles of Accounting II
A study of the procedures of accounting for owner's equity, long-term investments and the cost of manufacturing goods. The proprietorship, partnership, and corporation accounting techniques are developed in a practical approach. Prerequisite: ABU 111. (not for SBEM baccalaureate) Cr 3.

ABU 190 Introduction to Computers in Business
This course focuses on the role of the computer as an aid in managerial decision making. Computer operation and programming fundamentals including flowcharting and program writing in one of the common computer programming languages emphasizes business applications. Provides a basic knowledge of computer concepts; "hands on" problem solving with the computer; and the impact of computers on the business world. Required for ABA program. Transfers to baccalaureate program, but does not replace BUS 290. Cr 3.

ABU 220 Business Finance I
A study of the promotion, organization, and financing of the single proprietorship, partnership, and corporation. Such topics as fund flows, ratio analysis, breakeven analysis and leverage, time value of money concepts, cost of capital and capital budgeting are examined. Prerequisites: ABU 101, ABU 102, ABU 111 and ABU 112. Cr 3.

ABU 260 Marketing
A study of the marketing organization with a focus on product policies, distribution policies, promotional and pricing policies. Market research is implemented by getting students involved in coursework, controversial issues, and local business community projects. Prerequisites: ABU 102. Cr 3.

Economics

ECO 201 Principles of Economics I
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 202 Principles of Economics II
A theoretical analysis of the firm and its role in the transformation of scarce economic resources into the goods and services demanded by consumers. Special attention is focused on the development of a market mechanism for the exchange of goods, services, and resources within a capitalistic economy. Topics discussed include consumer preferences and consumer behavior, production theory and production costs, the monopoly firm, and resource pricing. Cr 3.

ECO 399 The Economic Evaluation of Investment Projects
An examination of the various techniques for evaluating private and public investment projects. Prerequisites ECO 201 and 202. 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

NUR 300 Nursing Process I
Introduces the student to basic cognitive, affective, and psychomotor skills fundamental to nursing practice. Utilization of nursing process is emphasized to assist individuals to promote and maintain optimal health. Concepts and selected theories provide a basis for understanding the factors which facilitate and/or inhibit the growth and development of human beings. Didactic classroom and experiential learning in the Learning Resource Lab provides the opportunity to practice and develop basic skills which will be applied in selected clinical settings. Prerequisites: junior level standing in the School of Nursing. Concurrent: BIO 245, NUR 303. Cr 9.
NUR 308 Women and Health
An interdisciplinary approach will be used to explore and analyze the political, economic, legal and social factors influencing women's health. Topics will include women's work, health related legislation, women as receivers and deliverers of health care, health issues related to the reproductive cycle, lesbian health care, violence against women and Maine women's health needs. Students will have an opportunity to focus on an area of special interest. Cr 3.

NUR 401 Health-Related Research
Various types and methods of research, concepts basic to the research process including sampling, validity, reliability, and ethics will be introduced. The student will evaluate and utilize health-related research and consider implications for nursing practice and the nurse as a researcher. Prerequisites: statistics. Open to other than nursing students with permission of faculty. Cr 3.

NUR 404 Issues in Adolescent Health Care
The purpose of this course is to examine the bio-psycho-social-cultural growth and development of adolescents and to examine issues in health care that are specific to the age group. Cr 3.

NUR 540 Total Health Assessment
The purpose of this course is to develop the knowledge and skill necessary to conduct an in-depth bio-psycho-social-cultural assessment of an individual. Emphasis will be placed on data collection through development of communication, interviewing, history taking and physical examination skills. Cr 3.

NUR 550 Advanced Applied Pathophysiology
This course examines the diseases responsible for a major portion of the mortality and morbidity in the American adult population today. It studies in detail the mechanisms and manifestations of these diseases. Cr 3.

Therapeutic Recreation

REC 106 Lifeline: Walk/Jog
Walk/Jog is a program designed for the sedentary person who, for one reason or another, is not in good physical condition. This aspect of Lifeline is essentially a routine of walking/jogging, calisthenics, stretching, and relaxation techniques. Exercise begins slowly and progresses each week. At the end of the ten weeks, one may elect to go into the intermediate program. Cr 1.

REC 107 Lifeline: Aerobic Dance
Aerobic Dance is a choreographed exercise program focusing on aerobic conditioning, muscular endurance, postural flexibility, and relaxation. Simple dances ranging from slow stretching warm-ups to strenuous rhythmical routines are followed by mat work to improve muscle tone, strength, and flexibility. The program develops proper body alignment and maximum range of motion. Various relaxation techniques are explored at the end of each class. Cr 1.

REC 108 Lifeline: Aquatics
Aquatics is a cardiovascular exercise program for those who prefer swimming. Non-swimmers may also participate, as many of the exercises can be performed in the shallow end of the pool. A combination warm-up/water calisthenics routine is followed by a peak exercise period where heart rates are elevated to improve cardiorespiratory endurance. The exercise session ends with a cool-down period of slow walking and swimming, and final stretch downs on the pool deck. Cr 1.

REC 109 Lifeline: Weight Training
Lifeline offers a supervised training program for boys and girls 14 to 18 years of age. Courses are offered throughout the year utilizing the Lifeline Bodyshop. The program is designed to teach proper conditioning values and techniques; increase muscular strength and endurance; increase flexibility; and increase cardiovascular conditioning. Cr 1.

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 199 Basic Sailing and Seamanship
An intensive one-week adventure in learning boating safety, sail handling, and navigation on board a sailboat in Casco Bay. Full navigation training in dead reckoning, loran, and celestial. Students live aboard the vessel learning all the basics of cruising seamanship and detailed chartwork. Research paper required. Cr 3.

REC 219 Personal Fitness
This course is intended to help the student understand the basics of health/physical fitness and the importance of it in relation to total lifestyle. In addition to lecture/discussion, all students will go through a fitness evaluation and be expected to attend exercise lab three times per week. Offered both semesters, 90-minute lecture, three hours lab. Cr 3.

REC 295 Internship
Preprofessional assignment in appropriate recreation settings (e.g., nursing homes for the aged, institutions, agencies, halfway houses, hospitals, parks, camps, playgrounds, schools for the handicapped, penal institutions, and rehabilitation centers). Faculty supervision and guidelines provided. Prerequisite: REC 113, 294, and 30 credit hours. Cr 9.

REC 495 Internship
This course is to be taken in the senior year. Students are required to work a minimum of 32 to 40 hours a week at a camp, recreation department, school, agency, hospital, institution, or nursing home. Students are expected to select three different experiences, approximately five weeks at each, when possible, and must keep a daily log of their experiences to be passed in to the instructor at the end of the semester. A University supervisor will visit and evaluate each student at least three times during the internship. Prerequisite: REC 494. Cr 9.
The Facts

Registration

General Policies Related to Undergraduate and Graduate Registration

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

Certificate for Teachers Certificates for teaching in Maine are issued upon completion of the necessary requirements in elementary, secondary education, or special fields by the State Department of Education in Augusta. You must contact the Department prior to registration to determine the appropriate selection of courses fulfilling such needs. It is important that each registrant know the grade and level of his or her grade certificate.

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

Degree Applications Students who expect to complete either associate or baccalaureate 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. Discussion with faculty members is not proper notification of change. In the case of a student withdrawal after completion of one-third of the course, 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 approximately two weeks after the end of the course. 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 $2.00 for a single copy, plus $1.00 for additional copies ordered at the same time. 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 Advising and Information Department. 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 Advising and Information Department on the Portland campus.

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

Undergraduate Registration

Anyone 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 and Information Department (AID). The department provides 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.

Veterans' services are a responsibility of the department, and advice and certification regarding V.A. benefits, information on work/study, and tutorial assistance are available.

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.

Registration (Multiple Campus) Students who wish to register for courses at other University of Maine campuses in addition to courses at USM should contact the Registrar’s Office or the Advising and Information Department to complete the proper forms before registering.

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.

Undergraduate Registration Procedures

Undergraduate Registration (walk-in) All students taking undergraduate courses may register in person at the Advising and Information Department 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 only by calling the Advising and Information Department at 780-4059 or 800-492-T748 (within Maine). Please have your card number ready.

Mail-in registrations for undergraduate 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 approval has been granted by the appropriate advisor, dean, or director. Matriculated graduate students are given first preference for enrollment in graduate courses.

Graduate Registration Procedures

Graduate Registration (walk-in) Walk-in registrations will be processed from March 4 through the Friday preceding the beginning of each session. The procedures are as follows:

1. Complete registration worksheet and secure the signature of the appropriate dean, director, or advisor.
2. Submit completed form to the appropriate dean or director's office.
3. Submit payment to the Business Office, Corbell Hall, Gorham or Payson Smith Hall, Portland.

Graduate Registration (mail-in) Mail-in registrations will be processed March 4 through the Friday preceding the beginning of each session. The procedures are as follows:

1. Complete registration worksheet.
2. Mail completed form along with proper payment to the appropriate dean or director's office.

An incomplete registration worksheet or form received with partial payment will be returned to the student. Mail-in registrations must be received by the Friday preceding the beginning of each session.

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 promise of 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, ME 04103

For more information, contact: College of Education, 780-5306; School of Business, Economics and Management, 780-4020; School of Nursing, 780-4130; School of Law, 780-4346.

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Graduate Registration Worksheet
mail-in registration only

You will receive a course confirmation in the mail within a week after you register.

Name ____________________________ Social Security Number ____________________________

Home Address ____________________________ Street ______ City ______ State ______ Zip ______ Telephone ______

Business or Local Address ____________________________ Organization or Street ______ City ______ State ______ Zip ______ Telephone ______

Course Schedule

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<tr>
<th>Campus</th>
<th>Department</th>
<th>Number</th>
<th>Section</th>
<th>Session</th>
<th>Pass/Fail</th>
<th>Credits</th>
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Total credits ____________

Registration Processed:

☐ Married ☐ Single

☐ Male ☐ Female

Birthdate ☐☐-☐☐-☐☐☐☐

Residency Declaration (for full description, see Catalog)
I hereby certify that I have been a permanent resident of the State of Maine for at least one year prior to the start of the semester indicated above. (If you are already classified by the University as a non-resident student, this declaration will not change that classification.)

Signature ____________________________ Country of Citizenship if not U.S. ____________________________
Tuition and Fees

Undergraduate: $50.30 per credit hour  
Graduate: $57.90 per credit hour

Payment  
Payment of tuition and/or fees in full is required at the time of registration. Checks should be made payable to the University of Maine (foreign students should send payment in U.S. currency). Other payment plans available include MasterCard and VISA. Contact the University of Southern Maine Business Office for details.

When paying institutional charges by check, a $5.00 penalty is imposed if the check is returned because of an irregularity for which the person submitting the check is responsible.

Payment must be made at the Business Office on campus.

Payment by Employer or Agency  
A student whose employer or federal and/or state agency has agreed to pay part or all of the student's tuition or text cost directly to the University, should furnish the USM Business Office with a purchase order or a letter in duplicate covering the costs to be underwritten by the employer or agency. In the case of military personnel, an approved request for tuition assistance must be furnished.

Tuition Waiver for Senior Citizens  
The Board of Trustees of the University of Maine has authorized a waiver of tuition for people who are State of Maine citizens over age 65 who wish to register for undergraduate courses at any campus of the University of Maine. Permission to enroll will be granted on an individual basis if there is space available in the course.

People age 65 or over who wish permission for a waiver of tuition should contact the Registrar's Office for credit courses or the Division of Public Service for noncredit courses. Senior citizens must state their status at the time of registration. All requests of registration for credit courses will be processed during the working days immediately preceding the start of the session in which the desired courses are offered.

Tuition Refund Policy  
To ensure uniformity and fairness to all, the following refund policy has been established regarding tuition and room and board.

A total refund may be granted only when the application for refund is made before the start of a given session. In those cases when the withdrawal is made after a session begins, the following refund rates will apply.

University fees are not refundable.

Refund Percentage

1st week .................................. 75%
2nd week ................................. 50%
3rd week ................................. 25%
No refunds granted after third week of class

Refer to the USM undergraduate catalog for refund policies for courses lasting three weeks or less.

Adjustment of Tuition and Fees  
The financial requirements of the University, changing costs, state and legislative action, and other matters may require an adjustment of charges and expenses. The University reserves the right to make such adjustments to the estimated charges and expenses as may, from time to time, be necessary in the opinion of the Board of Trustees up to the date of final registration. The applicant acknowledges this reservation by the submission of any application for admission or by registration.
Accommodations and Dining

On-Campus Accommodations
Living accommodations for Summer Session participants are available on the Gorham campus during the entire Summer Session program (May 13-August 16.) Rooms may be rented on a nightly basis or for the duration of a summer course. Students who desire accommodations for just a few nights should make their reservation before 1:00 p.m. of the day they wish to stay. Students who desire accommodations for more than just a few nights should submit the Housing Reservation Request directly to the Residence Life Office to be certain of room availability.

Housing rates are provided below. Residence hall furnishings include a bed, desk, study chair, closets, a chest of drawers, and overhead lights. Study lamps are not provided. All bathrooms are the community type and separate for men and women. Single rooms do not have private bathroom facilities. Pets are not allowed in the residence halls.

Health and fire safety regulations prohibit cooking or preparation of meals in residence hall rooms.

Payment for accommodations must be made at the time of check-in.

The Department of Conferences coordinates housing arrangements for participants in the institutes held on campus. If you are participating in an institute, your reservation will be forwarded to Conferences.

Housing Rates

<table>
<thead>
<tr>
<th></th>
<th>No Linen</th>
<th>Limited Linen*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single</td>
<td>$8.75</td>
<td>$11.00</td>
</tr>
<tr>
<td>Double</td>
<td>$6.25</td>
<td>$8.50</td>
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Refunds will be made on a per diem basis.

*Linen left in room, beds not made, no exchange during stay. Linen includes 2 sheets, 1 pillowcase, 1 face cloth, 3 towels, cup, soap, blanket, pillow.

On-Campus Dining
The University offers meals and/or snacks at reasonable prices on both campuses. In Portland, prepackaged menu items will be available Monday-Friday, 7:30 a.m.-1:00 p.m. The Gorham Dining Center will serve breakfast from 7:30 a.m.-8:30 a.m.; lunch from 11:30 a.m.-1:00 p.m.; dinner from 5:00 p.m.-6:30 p.m. and offers an à la carte menu.

Off-Campus Dining, Lodging and Camping
For information regarding off-campus dining, lodging, and camping availability, contact: Maine Publicity Bureau, 142 Free Street, Portland, Maine, 2017/772-2811; or the Chamber of Commerce.

Summer Session Housing Reservation Request
(Please print or type all information)

Name: Ms. ____________________________________________

Address: __________________________________________ No. and Street __________________________ City __________________________ State/Zip Code ____________

Birthdate: __________________________ Social Security Number: __________________________

List any medical considerations that might affect room assignment: __________________________________________

Type of room requested: □ Single □ Double

Would you like a linen package: □ Yes □ No

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: __________________________________________

Send Reservation Request Directly to: Office of Residence Life, 100 Upton Hall, University of Southern Maine, Gorham, Me. 04038.
Campus Resources and Services

Parking
All faculty/staff and summer session student vehicles not previously registered for the 1984-85 academic year must be registered and display a valid decal.

Effective May 15, 1985, the vehicle registration fee will be $2.00. All decals expire August 31, 1985.

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

Bookstore
Both Portland and Gorham campus stores are open from 8:30 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.

Books purchased at the University Bookstores may be returned (if the course is dropped) within 10 days from the date of purchase, and must be accompanied by the register receipt. Books must not be written in.

Library
Library: Portland and Gorham Campuses
Monday-Thursday: 8:00 a.m.-8:00 p.m.
Friday: 8:00 a.m.-4:30 p.m.
Saturday: 8:00 a.m.-12:00 noon
Sunday: Closed

Media Services: Portland and Gorham Campuses
Monday-Friday: 8:00 a.m.-4:30 p.m.
All services available
Monday-Thursday evenings: as necessary to meet classroom equipment demands.
Weekend and other equipment needs to be filled by prior arrangement.
Library/Media Services Closed
Memorial Day Weekend: May 25, 26, 27
Independence Day: July 4

Health Services
Limited health services are available during the summer months. The Gorham Office is located on the first floor of Upton Hall and the Portland Office is on the first floor of the gymnasium. A nurse practitioner or registered nurse is available from 8:00 a.m.-4:00 p.m., Monday through Friday. There is no physician coverage. A fee for services is charged and individuals are responsible for payment prior to leaving campus. For further information call Gorham, 780-5411 or Portland, 780-4211.

Advising and Information Department
The Advising and Information Department (AID) provides academic advising and counseling services for students who are undecided as to their majors, degree candidates who are admitted on a conditional basis, and non-degree students. Veterans' services are also a responsibility of the office. Advice and certification regarding V.A. benefits, information on work study, and tutorial assistance are among the services provided. For more information contact: Advising and Information Department, 110 Payson Smith Hall, 207/780-4040 or 780-4059.

Off-Campus Centers
In its continuing effort to meet the needs of our diverse student population, the Division of Basic Studies is planning to offer several exciting courses and seminars both in the credit and noncredit areas. In the credit area, courses range from a graduate education course, Learning Disabilities, to several associate business courses, to an advanced first aid course.

Plans for challenging course for upper elementary age children include a computer camp, an astronomy and applied science course, and an oceanography course. A series of programs for adults 50 or over promises to offer topics to enhance personal growth and enrichment.

These various courses and seminars are being offered at the Saco, Sanford, and Bath Centers of the University. See the course listings for specific course locations and times.

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, information (both written and computerized), and referral as deemed appropriate.

The Department is responsible for handicapped students services and also acts as the coordinating office for internship opportunities related to academic majors. For more information contact: Counseling and Career Development, 120 Payson Smith Hall, 780-4050.

Financial Aid
For students who are in USM degree programs, Guaranteed Student Loan (GSL) funds may be available to help defray summer tuition costs. For more information regarding the GSL program or other services provided by the Office of Financial Aid, call 780-5250 or visit the office in 202 Corbett Hall on the Gorham campus.
Division of Public Service

The Division of Public Service is responsible for the development, coordination, and support of all noncredit programming at USM. Among the units within the division offering programs during the 1985 Summer Session are the Department of Conferences, the Department of Continuing Education for Nursing and Health Professions, and Greater Portland Lifeline.

The Division offers 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 fall, winter, and spring noncredit programs designed for adults who require courses with convenient times, lengths, and locations. Programs are taught by professionals who share their knowledge and skills while providing a practical approach to relevant subjects. The Department offers many certificate programs designed to expand and upgrade professional skills.

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.

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 postconference evaluations, reports, and financial statements. For more information contact 780-4074.
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Accessible buildings provide entrances (indicated by dots) and elevators adequate for all handicapped persons. Parking areas for the handicapped are shown by dotted areas.

GORHAM CAMPUS

1. Bailey Hall (Science)
2. Bailey Hall (Classroom)
3. Water Tower
4. Bailey Hall (Library)
5. Woodward Hall
6. Russell Hall
7. Cotterell Hall (Admissions)
8. President's House
9. Art Gallery
10. Facilities Management
11. University College of Education, 24 College Avenue
12. Maine Children's Resource Center, 19 College Avenue
13. Tennis Courts
14. Rohle Hall
15. Andrews Hall
16. The 'Academy'
17. Service Building
18. Tennis Courts
19. Hastings Hall
20. Upton Hall
21. Dining Center
22. Anderson Hall
23. Industrial Education Center
24. Warren G. Hill Gymnasium
25. Heating and Sewage Plants
26. Dickey-Wood Residential Towers
27. Athletic Field
28. McE llen House

University of Southern Maine
a unit of the University of Maine

PORTLAND CAMPUS

29. Payson Smith Hall
30. Bookstore
31. Science Building
32. Portland Gymnasium
33. Central Heating Plant
34. Luther Bomney Hall and Library
35. Student Union Building, 92 & 94 Bedford Street
36. Faculty Offices, 7 Chamberlain Avenue
37. Faculty Offices, 3 Washburn Avenue
38. Faculty Offices, 25 Washburn Avenue
39. Faculty Offices, 38 Chamberlain Avenue
40. Cooperative Extension Services, 35 Chamberlain Avenue
41. Faculty Offices, 118 Bedford Street
42. Faculty Offices, 120 Bedford Street
43. President's and Provost's Offices, 228 Deering Avenue
44. Faculty Offices, 11 Granite Street
45. Faculty Offices, 39 Exeter Street
46. Maine Public Broadcasting Network, 35 Exeter Street
47. Faculty Offices, 55 Exeter Street

PORTLAND CAMPUS PARKING

P1. Faculty/Staff/Student Commuter
P2. Student Commuter
P3. Student Commuter/Resident
P4. Faculty/Staff/Visitor
P5. Faculty/Staff
P8. Faculty/Staff/Visitor