

1987

## University of Southern Maine Course Catalog and Preliminary Schedule Summer 1987

University of Southern Maine

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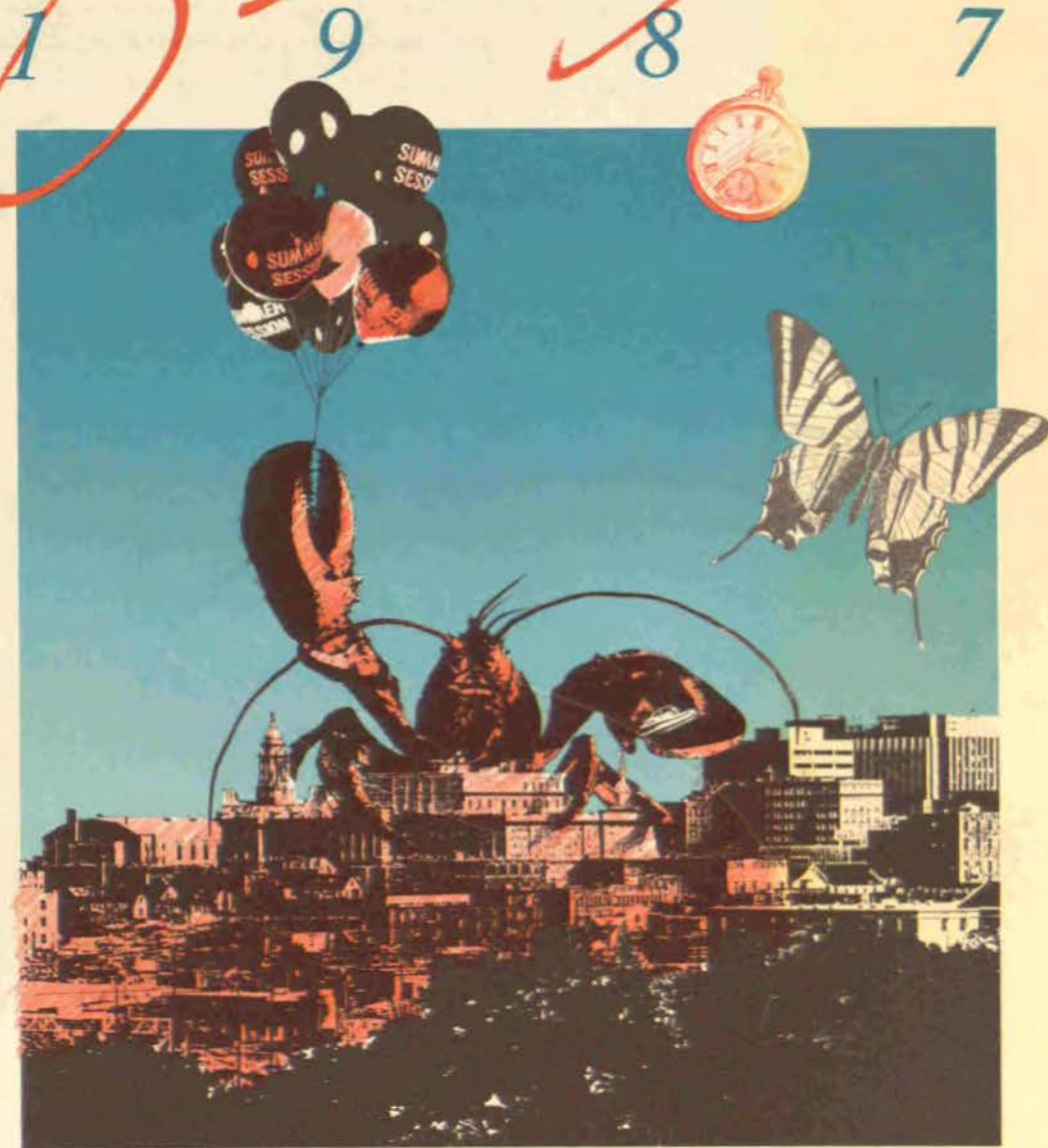
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University of Southern Maine

# Summer Session



# Summer Session Calendar 1987

(Registration continues through the beginning of each session.)

	<i>7-Week Session</i>	<i>4-Week Session</i>	<i>4-Week Session</i>	<i>7-Week Session</i>	<i>6-Week Session</i>	<i>4-Week Session</i>	<i>Variable Session</i>
	<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>
	<i>May 11- June 26</i>	<i>May 11- June 5</i>	<i>June 15- July 10</i>	<i>June 29- Aug. 14</i>	<i>June 22- July 31</i>	<i>July 20- Aug. 14</i>	<i>Variable Dates</i>
<b>Residence Halls Open</b> (Refer to the Accommodations section of this catalog for more information)	Sun., May 11 2:00 p.m.	Sun., May 11 2:00 p.m.	Sun. June 15 2:00 p.m.	Sun., June 29 2:00 p.m.	Sun., June 22 2:00 p.m.	Sun., July 20 2:00 p.m.	Arranged
<b>First Day of Classes</b>	Mon., May 11	Mon. May 11	Mon., June 15	Mon., June 29	Mon., June 22	Mon., July 20	Variable
<b>Last Day to ADD or Change Credit or Grade Options*</b>	<b>*As a general rule, students may add classes through the second class meeting</b>						
<b>Last Day to DROP to receive 100% tuition refund</b>	May 8	May 8	June 12	June 26	June 19	July 17	Variable
<b>Last Day to DROP with no grade notation</b>	May 14	May 13	June 17	July 6	June 25	July 22	Variable
<b>Last Day to WITHDRAW With Grade of 'W'</b>	May 26	May 19	June 23	July 14	July 6	July 28	Variable
<b>Session Ends</b>	June 26	June 5	July 10	Aug. 14	July 31	Aug. 14	Variable

## Holidays: University Closed

Monday, May 25, Memorial Day

Friday, July 3, Independence Day  
Observed

Break: June 8- 12 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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# University of Southern Maine

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# Table of Contents

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University of Southern Maine.....	4
Summer Selections.....	5
Summer Hours, Offices, and People.....	6
Special Programs.....	7
Course Schedule.....	19
Course Descriptions.....	28
The Facts.....	46
Registration .....	46
Tuition and Fees.....	48
Accommodations and Dining.....	49
Campus Resources and Services.....	50
Index.....	53

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.

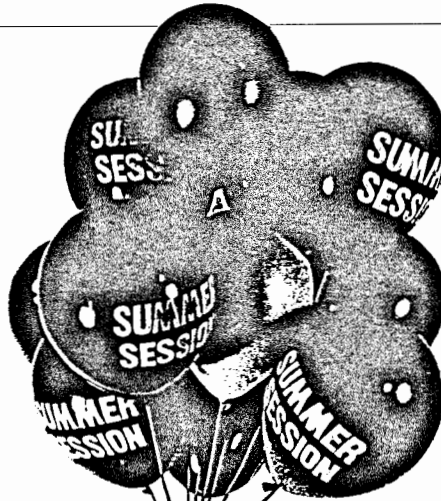
The University of Southern Maine does not discriminate on the basis of race, color, creed, sex, national origin, handicap, or age in the recruitment and admission of students, the recruitment and employment of faculty and staff, and the operation of any of its programs and activities, as specified by 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 9,000 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 9:40 p.m., offering classes in liberal arts, teacher preparation, nursing, business, and law. Over 350 credit and noncredit courses will be available to students during the summer of 1987. In addition, unique institutes and programs including the prestigious Stonecoast Writers' Conference, an Elderhostel, a music camp for talented high school students, and a Taft Institute 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.

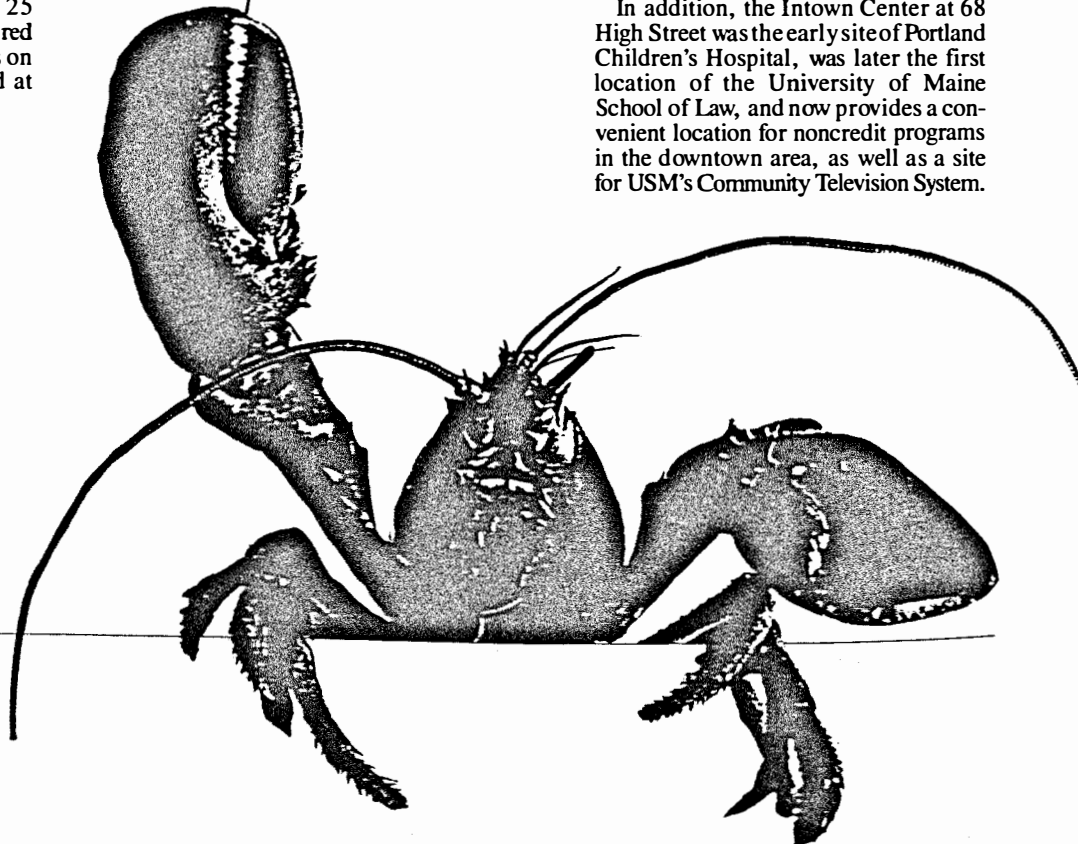


*USM is part of the rich past, the dynamic present, and exciting future of southern Maine.*

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. Corthell Hall was built in 1878 and named for the first president. The President's house was built in 1906 and is the home of the president.

Among the Portland campus buildings are the Alumni Center, the only remaining building of the Deering Estate, an eighteenth-century farm; the seven-story Center for Research and Advanced Study, which houses the School of Law and some 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 noncredit programs in the downtown area, as well as a site for USM's Community Television System.

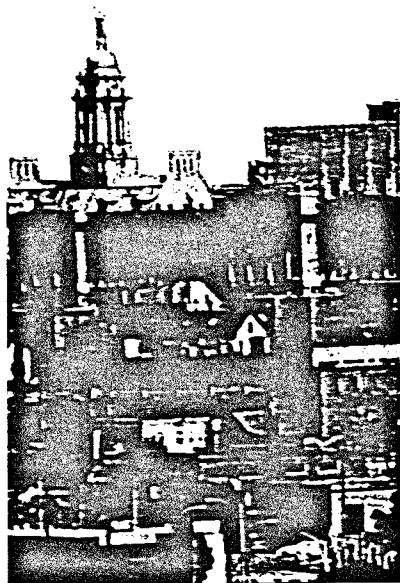


# Summer Selections

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

Summer offers a blend of the educational, cultural, and recreational. Three stage productions 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.



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 promises to include comedy and musical theatre.

### **Music**

The third summer concert series featuring the Southern Maine Concert Band will take place on the Portland and Gorham campuses. Additional features will be a jazz and a vaudeville series and a special visit from a youth chamber orchestra from Switzerland.

### **Art**

USM's Art Gallery will again host a special "Made in Maine" exhibit in addition to a faculty and student review.

### **Workshops/Lectures**

A variety of lectures and workshops will be held on topics of interest to all such as:

- Beginning Basketry
- Advanced Basketry
- Wreathmaking
- Beginning Knitting
- Knitting Cables
- Beginning or Advanced Crocheted Christmas Ornaments
- Persian Rug Making
- Needlepoint
- Braided Rugs

### **Films**

A focus on the nostalgic will make the summer film festival at USM exciting, with features such as *Stagecoach*, *Anthony Adverse*, and *City Lights*. A special series for children is also planned.

### **The Outdoors**

For those in love with the outdoors, a series of bird walks, nature walks, and star walks will be hosted free of charge.

### **Planetarium**

It is hoped that our Planetarium will again host shows every Friday and Sunday evenings throughout the summer.



### **Wolfe Neck**

Taking advantage of the rich resources of Wolfe Neck Farm, a series of nature walks and marine life lectures will be hosted.

### **Summer Selections for Children**

A wide range of children's activities are planned for this summer including:

- Workshops in art, drama, science, television, and computers
- Weekly films such as *Charlotts' Web*, *Old Yeller*, *Incredible Journey* and *Pete's Dragon*.
- Evening seminars in basketmaking, mask making, the stars and the planetarium...and much more!

See the Summer Selections for Children section in this catalog.

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.

<i>Office</i>	<i>Location</i>	<i>Telephone Number</i>	<i>Contact Person</i>
<b>Advising and Academic Information Department</b>	110 Payson Smith (Portland) 109 Corthell Hall (Gorham)	780-4040/4408 780-5340	Richard Sturgeon John Farrar
<b>Department of Conferences</b>	68 High Street (Portland)	780-4074	Kevin Russell
<b>Financial Aid</b>	202 Corthell Hall (Gorham)	780-5250	Richard Campbell
<b>Off-Campus Programs</b>	110 Payson Smith, (Portland)	780-4470	Kathleen Bouchard
<b>Professional Development Center</b>	305 Bailey Hall (Gorham)	780-5315	George Lyons Joyce Martin
<b>Registrar's Office</b>	113 Corthell Hall (Gorham)	780-5230	Steve Rand
<b>Residence Life</b>	100 Upton Hall (Gorham)	780-5240	Joseph Austin
<b>Summer Session</b>	106 Payson Smith (Portland) Gorham Campus (after May 11)	780-4076 780-5264	Susan Silvernail
<b>Business Office</b>	128 Payson Smith (Portland) 110 Corthell Hall (Gorham)	780-4026 780-5200	Norma Manning Sandra Lewis
<b>Graduate Education</b>	408 Bailey (Gorham)	780-5306	Betty Lewis

## *Extended Hours for Registration*

Advising and Academic Information Department	110 Payson Smith	May 11-12 June 29-30	(8:00 a.m.-7:30 p.m.) (8:00 a.m.-7:30 p.m.)
Summer Session Office	Gorham Campus	May 11-12 June 29-30	(8:00 a.m.-7:30 p.m.) (8:00 a.m.-7:30 p.m.)
Business Office	128 Payson Smith	May 11-12 June 29-30	(8:00 a.m.-7:30 p.m.) (8:00 a.m.-7:30 p.m.)

# Special Programs

## 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, unless otherwise noted.

### **Special Education Administration** **EXE 684-51** **June 22-26**

This course is designed to provide participants with the knowledge necessary to develop and administer programs in special education. Topics discussed will include roles and responsibilities of the special education director; legal mandates for special education programs and personnel; working with parents, school boards and educators; state department role and responsibilities; and organizational systems for special education offices. (Graduate credit)

### **Institute in Educational Gerontology: Aging and Retirement** **HRD 645-51** **June 22-26**

This course examines retirement as a social, psychological, and cultural phenomenon. Issues such as retirement, decision making, economics, leisure styles, and predictors of successful retirement are treated. Implications of the role of education in both pre-retirement and post-retirement roles are stressed. (Graduate/Recertification credit.) For further information contact Michael Brady, 780-5310.

### **Economic Education Workshop** **EPDI 529-51** **June 22-July 3**

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. (Graduate/Recertification credit.) For further information, contact Richard McKeil, 780-4033.

### **Project for the Development of Instructional Support Teams** **EPDI 525-51** **June 29-July 19 and** **July 13-July 31**

This project is designed to assist school districts in their preparations to implement Maine's new teacher certification law. Teams of teachers and administrators will expand repertoires of instructional strategies, develop skills for observing teaching and collecting data, practice procedures for conducting instructional conferences, and develop the ability to present staff development programs. (Graduate/Recertification credit.)

### **Southern Maine Writing Project** **EPDI 520-51** **June 29-July 17**

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

### **Gifted Education: Institute for Program Planners** **EPD 537-51** **July 6-10**

This one-week institute is designed to assist individuals and teams from school systems to develop a plan for phasing-in programs for gifted/talented students by 1987-1988 (per the new Maine state mandate). The course will focus on the elements of planning, including identification, administration, curriculum, staff development, and evaluation. (Graduate/Recertification credit.) For further information contact James Curry, 780-5400.

### **Hearing Impairment Institute: Curriculum** **EPD 540-51** **July 6-10**

This institute is designed to prepare teachers to design, adapt, and implement developmental curriculum approaches in classrooms for the hearing impaired. The course will focus on the relationship of cognitive and conceptual development to curriculum procedures, selection of materials, adaptations for mainstreamed students, and techniques for integrating language/speech instruction in

all curriculum areas. (Graduate/Recertification credit.) For further information contact Barbara McGough, 780-5400, or Lynn Shardell, 781-3165.

### **Taft Institute** **July 6-17**

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 (Inservice graduate credit). For more information, contact: Irving Fisher, director, Taft Institute of Government, 38 Chamberlain Avenue, 96 Falmouth Street, Portland, ME 04103, (207) 780-4193.

### **Transitional Planning: Special Needs** **EPD 563-51** **July 6-17**

This institute will introduce participants to the concept of transition from school to work and community living for secondary students with disabilities. Students will develop skills in interdisciplinary team planning and an awareness of community resources necessary to aid exceptional students in achieving career goals and a satisfactory adjustment to adult life. (Graduate credit)

### **Technology in Special Education and Rehabilitation** **EXE 687-51** **July 13-15, 20-22, 27-30**

This course is planned for classroom teachers, special educators, vocational counselors and evaluators as well as work adjustment specialists. It will introduce students to the use of technology in the education and rehabilitation of individuals with special needs. A variety of equipment, materials, hardware and software will be available for demonstration and student use. Methods and techniques for evaluation and determination of appropriate and inappropriate use of technology will be stressed. No prior computer experience is required. (Graduate credit)

***In Celebration of Children's Literature***

**EDIS 438-51**

**July 15-July 17**

An institute immersing the participants in the wonders of children's literature. Drawing upon the talents of authors, illustrators, storytellers, poets, university and master teachers/ librarians, the course will provide participants with skills to use literature in exciting ways with students. The format includes large group lectures by guest faculty, sharing sessions among participants, and workshops exploring successful ways to share literature. (Recertification credit.)

***Whole Language Institute: PS-1***

**EDIS 692-51**

**July 20-24**

A recertification course for teachers of preschool, kindergarten or first grade children focused on teaching through the whole language approach. Sessions will explore whole language practices, the language experience, the writing process for young children, shared books, thematic teaching and webbing as well as provide a workshop on making classroom materials. (Recertification credit)

***Storytelling***

**EPDI 530-51**

**July 20-24**

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

***Teaching for Social Responsibility***

**EPDI 538-51**

**July 27-31**

This institute is designed to prepare K-12 teachers to introduce thinking and decision-making skills using contemporary issues of peace and justice. Topics to be examined include: age-appropriate approaches to teaching about social issues; bias in teaching controversial subjects; cooperation, conflict resolution and negotiation skills; consideration of multiple perspectives on a



single issue; teaching approaches that support student participation and promote the development of an informed social consciousness. Fall follow-up day. For further information, contact Carol Lynn Davis, 780-5316. (Graduate credit)

***Experiential Science for Elementary Teachers***

**EDIS 693-51**

**August 3-7**

Through personal experiences of scientific discovery, participants will learn to respond to the world as a scientist and develop methods for extending that understanding to classroom teaching. Course content will focus on new resources, concrete experiences in developing curricula, discussion of the goals of science education and the relationship of science to other fields of learning. Fall follow-up meeting. (Recertification credit)

***New England Music Workshop***

**MUE 521-01**

**July 27-July 31**

A workshop for elementary and middle school general music specialists in which clinicians demonstrate the coordination of musical activities and conceptual lesson planning. Large group sessions will provide an overview of varied classroom approaches. Small group sessions will provide opportunities to study in depth such topics as recorder, computers, special education, and the child voice. (Graduate credit)

***Video Production for Educators***

**EDIS 625-51**

**July 27-31**

This course is designed to develop the skills of teachers in the use of school video equipment. Camera operation and editing will be taught through demonstration and hands-on experiences. A major focus of the workshop will be exploring effective ways video can be used in classrooms and libraries, with adult or students as producers. (Recertification credit)

***Early Childhood Institute: Teaching the Whole Child***

**EPDI 541-51**

**August 3-7**

This course is designed to focus on meaningful education for young children (cognitive, physical, emotional and social). Participants will plan curriculum to meet the distinct and diverse abilities found in an early childhood classroom. (Inservice graduate credit)

***Educational Administration Symposium: Succeeding in the 90s***

**EDIS 696-51**

**August 3-7**

A week-long session to prepare administrators to understand and cope with the challenges which must be faced by educational leaders in the next decade. Designed by superintendents, principals, and school board members, the program will focus on societal changes, attitudes for survival and skills for successful school leadership. (Recertification credit)

***Creating a Natural Language Environment: Experience in a British Primary School***  
**EDIS 694-51**  
**August 3-14**

A hands-on workshop planned to assist K-5 teachers devise and implement whole language classrooms along with recommendations for language-centered teaching following successful practices in the British primary schools. Effective activities for fostering spoken and written language across the curriculum will be demonstrated. (Recertification credit)

***Arts Education Institute***  
**EPD 503-51**  
**August 10-15**

This program is designed to provide a variety of arts experiences and arts education strategies for teachers of all levels and subjects. The institute offers the opportunity to plan creative interdisciplinary projects using the arts to enrich the classroom environment. The faculty of artists and arts educators collaborate to blend their expertise about using the arts to enhance classroom teaching. Extensive use of the Portland Museum of Art resources is planned. Visiting lecturers will share presentations about model arts programs and the relationship of aesthetics, learning and human development. (Graduate credit)

***Make It/Take It Workshop***  
**August 19-20**

A two-day workshop designed especially for teachers preparing classroom materials. Exploration on how to incorporate learning centers into classroom environments and scheduling, discussion of the advantages of using hands-on learning activities in regular and special classrooms as well as productive sessions to make games and activities to fit individuals' own needs.

***Social/Emotional Needs of Gifted***  
**EPD 556-51**  
**August 17-28**

This two-week institute is for teachers, program coordinators, and others who work with gifted and talented students. The focus of the institute will be on responding to the affective needs of this portion of the student population. Both theory and practical approaches will be included in presentations. (Graduate credit)

***Teaching About Russia and the Soviet Union***  
**EPDI 561-51**  
**July 6-August 14**

A seminar for elementary and secondary school teachers, combining academic study and a program of travel. Pre-trip classroom work will focus on Russian history and culture. The travel seminar includes general sightseeing (accompanied by Russian guides), meetings with Soviet professionals in the fields of education, government, economics, health care, and cultural organizations. For teachers and administrators, the Soviet experience, observations, discussions, and reflections will lead to the development of appropriate classroom materials and lessons. (Inservice graduate credit)

***International Seminar in Educational Leadership: A Search for Excellence***  
**EPDI 501-51**  
**June 24-July 13**

The course includes travel to Ireland and England with an optional trip to France, focusing on historical, cultural, and educational aspects. The program offers tours of schools and school-related organizations with the matching of participants to role counterparts. Emphasis is on staff development, teaching centers, pastoral care and the educational standards. Sightseeing, theater, and shopping are integrated into the schedule. (Inservice graduate credit)

## **Elderhostel**

**Week I: July 12-18**  
**Week II: July 19-25**

Elderhostel, a network of over 400 colleges, universities, and other schools, combines the best tradition of education and hosting. 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 prior 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 \$205.00. This includes tuition, room and board for the week (Sunday dinner through Saturday lunch), and the various extracurricular activities available to hostellers. For local Elderhostellers 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.

**Elderhostel Week I**  
***Investing In Your Future***

This course will examine the functions of the stock market and evaluate the various media of investments in terms of their risk and profit. What is a mutual fund? Is speculation worth the risk?

***Electric Trains***

Explore the origins and history of model electric trains. You will learn the various manufacturers, the methods of hands-on repair, construction and restoration of various gauges and scales.

***A Look At Greater Portland: Old and New***

Tours of historical, cultural and commercial landmarks in the Greater Portland area. You will visit the home of Henry Wadsworth Longfellow, the Portland Museum of Art, lighthouses surrounding the Portland harbor, and other areas of interest.

**Elderhostel Week II**  
***Basic Personal Accounting/Recordkeeping for the Lay Person***

An introduction to accounting and recordkeeping taught in a non-technical fashion, including related topics of new income tax regulations, pensions, business law, and investments.

***Seminar in Shakespeare***

A seminar in Shakespeare that will focus attention both on philosophical and theatrical meanings. Discussion will center on *The Tempest*, but will include other Shakespeare plays.

***A Look At Greater Portland: Old and New***

Tours of historical, cultural and commercial landmarks in the Greater Portland area. You will visit the home of Henry Wadsworth Longfellow, the Portland Museum of Art, lighthouses surrounding the Portland harbor, and other areas of interest.

## Field Camps

### **Geography Field Camp** **GEO 206** **May 11-22**

Participants in the course will consider land use and landscape, past and present, in Freeport, Maine. The two weeks in the field will allow examination of off-shore Indian sites, 19th-century landscapes of the Pettingill Farm, modern day agricultural geography at Wolfe's Neck Farm, and the impact of expanding urban land use in the town of Freeport.

Prior to the course participants should read *Tides of Change, A Guide to the Harraseeket District of Freeport, Maine*. Participants will receive a copy after registration. The cost of the book is included in the course fee.

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 the Summer Session office at 780-4076.

### **Geology Field Camp** **GEY 350** **June 1-July 3**

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 (207)780-5351 or the Summer Session office at 780-4076.

### **Archaeology Field Camp** **GYA 300**

**May 18-June 26**

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

## Sports Psychology Institute

**June 26-27**

This is a two-day institute that will examine a number of current issues in sports psychology. Topics include: (1) mental imagery; (2) psychology rehabilitation of the injured athlete; (3) goal setting and athletic performance; (4) fan violence, and (5) drugs and the athlete. Presenters will be asked to address these issues from the perspective of athlete, coach, sports professional, and parent.

## Childhood Psychopathology

**August 7-8**

This two-day workshop will examine current issues in child mental health, including a discussion of psychopathologies such as early infantile autism, attention deficit disorder, school phobia, and conduct disorder. Intended for teachers, guidance personnel and mental health professionals, this institute will utilize local, regional, and national experts to facilitate a discussion of theory and practice. For more information, contact Summer Session at 780-4076.

## 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 vessel, learning all the basics of cruising seamanship and detailed chartwork in addition to receiving full training in dead reckoning, loran, and celestial navigation. An advanced course is also available during 1987.

*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. Nine sections of "A Maine Sailing Adventure" will be offered this summer and credit is available for an additional fee. For more information contact the Summer Session Office at 780-4076.



## Freshman Programs

### Great Beginnings

The Advising and Academic Information Department and the Division of Basic Studies offer a three-week program for the new freshman at USM. In its third year, Great Beginnings offers all freshmen the opportunity to get a head start on their academic career by taking two courses, ENG 009, Developmental English, and FRS 100, Freshman Seminar right before the start of the fall 1987 semester. Highlights of this year's program include:

- three weeks of intensive study in English and the Freshman Seminar, to enable students to meet University requirements in English and to gain 3 elective credits (FRS 100) toward their degree program.
- a team teaching approach to ENG 009 and FRS 100 that provides students with the academic support needed to be successful in their courses.
- classes that meet Monday-Thursday, 8:30-3:30, to allow students adequate study time and weekends free.
- classes that meet in August (August 3-21, 1987) to enable students to work and/or spend time with their families during most of the summer.

#### For More Information

Contact the Advising and Academic Information Department at 780-4040, or write, Advising and Academic Information Department, University of Southern Maine, 96 Falmouth Street, Portland, Maine 04103.

## High School Programs

During the 1987 Summer Session, the University of Southern Maine will sponsor several institutes for high school students. Although still in the planning stages at the time of publication of this catalog, these workshops are to be

designed for students who will be entering their junior and/or senior years during the fall of 1987. Enrollment for each of these residential programs will be limited. For more information about any of these programs and the application process, contact the Summer Session office at 780-4076.

### Program Offerings

#### *Institute on the Development of Critical Thinking Skills*

A two-week workshop facilitated by USM faculty and staff. To be held late June, early July.

#### *USM Science Seminar*

The second annual week-long science workshop that focuses on the disciplines of: biology, chemistry, geosciences, and physics. Students select one area of interest for the week of intensive study. To be held in mid-July.

#### *USM Mathematics Seminar*

A week-long mathematics workshop designed to provide enrichment to those students who have strong backgrounds in math. To be held in mid-July.

## 1987 Summer Study

During 1987, USM will sponsor or co-sponsor several exciting summer travel study courses. For more information about any of the following programs, contact the Summer Session Office at 780-4076.

### *In Sweden*

*Criminology In Sweden*  
University of Southern Maine  
May 11-May 30, 1987

This three-week study tour will center upon Sweden's unique criminal justice system. The tour will visit the police department in Stockholm, the court system, and several prisons in different cities. Lectures will be provided by sociologists at the Criminology Institute, University of Stockholm, as well as a variety of lawyers, judges, and political party leaders.

Cost: \$1200

Price includes transportation, housing and tuition for 6 credits

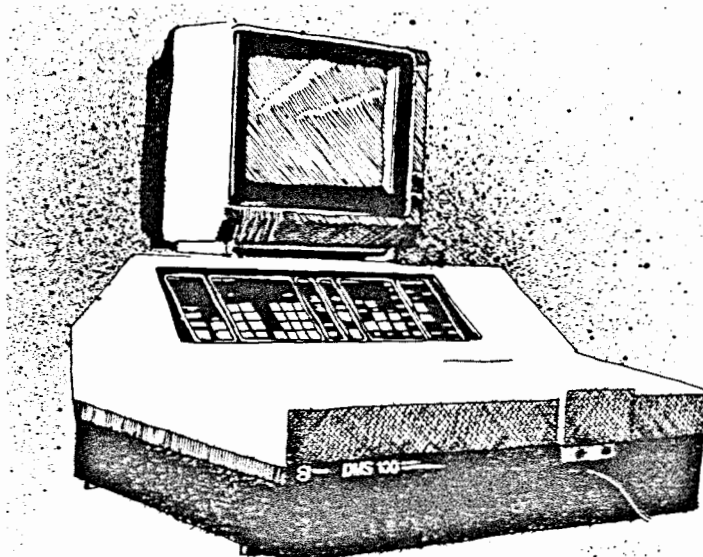
For more information, please contact: Jim Messerschmidt, assistant professor of sociology, University of Southern Maine, (207)780-4100

To reserve a space please contact: Summer Session  
University of Southern Maine  
(207)780-4076

### *In the Soviet Union*

*The Economic and Social Systems of the USSR*  
University of Southern Maine  
May 16-June 3, 1987

This course will be centered around a two-week visit to the Soviet Union during which students will visit the cities of Moscow, Baku, Tbilisi, Helsinki, and Leningrad. The objective of the course and trip is to provide students with an understanding of the economic, social,



*Visible/ultraviolet Spectrophotometer*

and political institutions of the USSR through lectures, readings, discussions, and visits to the Soviet economic institutions, and meetings with Soviet counterparts. The visit to each city will include a city tour, visits to museums and historic places, evening performances, meetings with various Soviet groups and, inasmuch as is possible, organized around some central economic themes.

Students interested in receiving academic credit will need to fulfill additional requirements associated with the course (an exam over the readings, lectures, etc., for ECO 299; and paper in addition to the exam for ECO 399).

Cost: \$2245

Price includes tuition for 3 credits; all travel from New York and return, as well as all lodgings (double occupancy) and meals with no taxes or tipping.

For more information, please contact: Professor Frank A. Durgin, University of Southern Maine, School of Business, Economics & Management, 96 Falmouth Street, Portland, ME 04103, (207)780-4306, or Lloyd W. Bishop, Citizen Exchange Council, 18 East 41st Street, New York, NY 10017, (212) 889-7960

### ***Teaching about Russia and the Soviet Union***

***EPDI 561-51***

***University of Southern Maine  
July 6-August 14***

Academic study and a program of travel creates an unusual opportunity for educators to learn about Russia and the Soviet Union through a cultural immersion program. Pre-course reading, lectures at USM and Maine field trips provide the background for an uncommon travel opportunity and the basis for the course's outcome: a curriculum-ready unit appropriate to the participant's needs.

In 18 days in the Soviet Union, participants visit major cultural and political centers, travel to varied ethnic areas, and meet Soviet professionals and ordinary people. For teachers and administrators, the Soviet experience, observation, discussions and reflections will lead to the development of appropriate classroom materials and lessons.

Cost: \$2874

This price includes tuition for 6 graduate credits, campus lunches and travel; housing is available for the on-campus portion of the program through the Residence Life office (see housing section of this catalog).

For more information, please contact: Christine Holden, assistant professor, or Diane Barnes, assistant professor, History Department, (207)780-5320.

### ***International Seminar: Educational Leadership EPDI 501***

***University of Southern Maine  
June 24-July 13***

This institute will expose teachers and administrators to educational practices in England. The program offers tours of schools and school-related organizations with the matching of participants to role counterparts. The course may be taken for 3 graduate credits.

Cost: \$2,000

For more information, contact Charles Smith, College of Education, (207) 780-5300

## **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 during the academic year. For more information, contact the Department at 780-4150.

### ***Tentative Summer Program Listing***

- Medical-Surgical Nursing Update
- Legal Aspects for School Nurses
- Primary Nursing Revisited
- Suicide Over 60
- Health Care in the Camp Setting
- State Board Review in Nursing (NCLEX—RN)

## **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, rehabilitation, and recreation/leisure. Thousands of members of the Greater Portland community participate in a variety of activities ranging from Walk/Jog to Cardiac Rehabilitation.

All Lifeline activities are designed to promote positive lifestyle changes through education and exercise. Application to all programs should be made well in advance.

### ***Aerobic Programs***

#### ***Walk/Jog***

***10-week sessions, start Monday,  
July 13, 1987***

***Registration deadline: Friday,  
June 26, 1987***

***Multiple times/locations***

***Variable fees***

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 13, 1987***

***Registration deadline: Friday,  
June 26, 1987***

***Multiple times/locations***

***Variable fees***

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 sessions end 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 13, 1987***

***Registration Deadline: Friday,  
June 26, 1987***

***Multiple times/locations***

***Variable fees***

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. Various relaxation techniques are explored at the end of each class.





**Aerobic Exercise**  
**10-week session starts Monday,**  
**July 13, 1987**  
**Registration deadline: Friday,**  
**June 26, 1987**  
**Multiple times**  
**Variable fees**

Aerobic Exercise is a comprehensive exercise program consisting of aerobic conditioning, muscular endurance and toning, postural flexibility, and relaxation. Floor exercises done to contemporary music make up the aerobic portion of the classes. Various relaxation techniques are utilized at the end of each class.

**Light Aerobics**  
**10-week session starts Monday,**  
**July 13, 1987**  
**Registration deadline: Friday,**  
**June 26, 1987**  
**Tuesdays-Thursdays, 6:45-7:30 a.m.,**  
**Portland Campus Gym**  
**Variable Fees**

This program is a basic exercise program for men and women. It includes components of light aerobics, flexibility, and postural exercises and relaxation techniques. A good program for individuals with little or no previous exercise habits.

### **Health Education Programs**

**Stress and Lifestyle**  
**Starting dates/times/fees**  
**To be announced**  
**Call for information**

Stress and Lifestyle is a course in stress theory and management covering physical, psychological, and socio-cultural dimensions of stress. Methods of stress management are presented and practiced.

### **Summer Recreation/Leisure Services**

**Leisure Learn**  
**6-month or yearly membership**  
**Registration on-going**  
**Fee: 6 months, \$80.00;**  
**1 year, \$150.00**

Membership in the Leisure Learn Program entitles you to make use of the University of Southern Maine Portland Campus multi-purpose gymnasium located on Falmouth Street. Lockers and towel service are provided. At your disposal are more than 15,000 square feet of Tartan surface for activity such as weight-lifting, racquetball, squash, handball, basketball, volleyball, badminton, tennis, dance, yoga, etc. The Leisure Learn weight room with a combination of Nautilus, Universal, and free weights is one of the most complete weight-training facilities in New England. The gym is available seven days a week, year-round, for your physical fitness and recreation needs.

Membership restricted to adults 18 years or older.

**Aikido**  
**Tuesdays and Thursdays,**  
**6:30-7:30 p.m.**  
**Saturdays, 10:30-11:30 a.m. and**  
**12:00-1:00 p.m.**  
**Location: TBA**

Martial art/self defense training.

**Yoga**  
**3 sections, beginner, intermediate,**  
**sunrise**  
**TBA**

An art designed to create harmony of mind, body, spirit.

**Tai Chi Ch'Uan**  
**TBA**  
 Flexibility, strengthening and relaxation program.

**Shiatsu**  
**TBA**  
 An art geared to stretching, breathing, exercises, and meditation.

**Games by the Sea**  
**TBA**  
 A celebration of play and playfulness for adults and children.

**White Water Canoeing**  
**TBA**

**Employee Wellness**  
 Lifeline has designed a comprehensive wellness program that can be tailored to companies large and small. This specialized approach focuses on the areas of employee health promotion and disease prevention. Activities can be offered either at the workplace or at Lifeline facility. Services may include:

- program planning
- lifestyle/fitness assessments
- smoking cessation
- physical fitness
- stress management
- recreational activities
- project management

Details and/or brochures may be obtained by calling Lifeline at 780-4170.



## Stonecoast Writers' Conference August 2-16

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.

For more information, please contact: Kenneth Rosen, director, Stonecoast Writers' Conference, c/o Summer Session, University of Southern Maine, 96 Falmouth St., Portland, Me. 04103

### The Courses

#### *Writing the First Novel* ENG 304

A course in advanced writing. 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

#### *Fiction Workshop* ENG 302

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

#### *Poetry Workshop* ENG 303

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

For more information contact Kenneth Rosen, 780-4291

## Summer Selections for Children and Youth

During Summer Session 1987, 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.

### Workshops

#### *Children's Art Workshop* Ages: 6-14

**Dates: June 22-July 31, 1987**

The Children's Art Workshop offers students a chance to work in depth on a variety of art projects. During this intensive program students will be supervised instruction, learning about art processes, art materials and arts importance in our lives. Each day will also include time for students to work on projects of their own choosing. Students will have the opportunity to work as a whole group as well as in different age groups where appropriate. Eligibility includes students who have completed first grade up to students who have completed 8th grade.

#### *Children's Drama Workshop* Ages: 7-11

**Dates: June 29-July 10, 1987**

This two-week program offers a unique theatrical experience for children ages 7-11. Through a variety of structured games, the child will be encouraged to make an honest and exciting individual contribution to the group effort that theatre requires. Instruction and activities will include a focus on movement, including sensory awareness, improvisation, and mime, work with scripted material (with the child having input both as a playwright and actor) and an introduction to technical theatre. Field trips and a final presentation are planned.

#### *Children's Science Workshop* Ages: 7-11

**Dates: July 6-17**

The study of aquatic life can be both challenging and fascinating. During this two-week workshop students will focus of a wide variety of plant and animal life. The goal of the session is to expose students to living organisms found in both pond and ocean water. Preliminary plans include a scavenger hunt at Kettle Cove, a trip to a bog, and a salt water marsh. Other trips include a visit to the Wolf Neck area in Freeport and the Maine Aquarium in Saco. Laboratory instruction is also on the agenda of this exciting two-week workshop.



#### *Children's Science Workshop II* Ages: 6-11

**Dates: July 20-31**

The study of human body and how maintaining it is the key to health is not only a fascinating topic, but one to which all students should be exposed. During this two-week workshop, students will learn about the functioning of the human body—of the heart, the brain, muscles, and joints—in a way that is instructive and fun.

### **Children's Television Workshop**

**Ages: 7-II**

**Dates: June 29-July 17**

This three-week workshop provides students with a unique opportunity to learn about the complexities of television production through the development of one or more television shows. Special attention will be given to group consensus and team-building, critical viewing skills, the technology of television (cameras, switchers, lights, etc.), script development and writing, as well as production techniques.

### **Children's Computer Workshop I**

**Ages: 7-II**

**Dates: July 6-July 17**

This two-week workshop will provide students with the opportunity to learn some basic programming skills as well as how to use packaged software such as wordprocessing, games, and personal filing systems. The teaching focus will be upon the educational applications of computers.

### **Children's Computer Workshop II**

**Ages: 7-II**

**Dates: July 20-July 31**

This two-week workshop builds upon the Computer Workshop I and will deal with such topics as spreadsheets, more complex wordprocessing, and programming skills. As with the first workshop, the teaching focus of this seminar will be upon the educational applications of computers.

### **Child Care Services**

#### **Preschool Program**

**Ages: Infancy-6**

**Dates: May 12-August 28**

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

#### **Youth Day Camp**

**Ages: 6-14**

**Dates: June 22-August 28**

Full day broad-based program providing hiking, crafts, swimming, nature studies, sports and the arts, plus experiential learning opportunities for stimulating social and academic skills.

For more information contact USM Child Care Services, 780-4125

### **Camps**

#### **Southern Maine Music Camp**

**Ages: High School Students**

**Dates: August 2-15**

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 21-26**

**Sr. Boys' Camp: August 2-7**

**Jr. Boys' Camp: August 9-14**

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, former 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 5-10**

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 9-13):**

**July 12-17**

**Boys' Senior Week (ages 14-17):**

**July 26-31**

In its 12th 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.

#### **USM "TEN-O" Gymnastics Camp**

**Ages: Girls, 9-18**

**Dates: June 28-July 3**

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 best 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**, contact USM Child Care Services, 780-4125.

**Children's Art Workshop, Drama Workshop, Television Workshop, Computer Workshops, and Science Workshops**, contact Summer Session, 780-4076.

**All Other Programs**, contact Department of Conferences, 780-4074.

# Other USM Programs

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## 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: Tim Honey, director; Public Policy and Management Program; University of Southern Maine; 96 Falmouth Street, Portland, Me. 04103, (207)780-4380.

### *School of Law*

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

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

## Honors Program

The Honors Program offers a challenging educational experience to a selected group of students who are outstanding in their ability, curiosity, creativity, and motivation. The program consists of a series of interdisciplinary courses designed especially for Honors students and taught in small seminar classes, an independent research and writing project under the supervision of a faculty tutor in the student's major department, and an advanced seminar on a topic of contemporary relevance.

Approximately 30 students are admitted to the Honors Program each year. Students entering the fall semester of their freshman or sophomore year, whether full-time or part-time and regardless of intended major, are eligible to apply.

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

## Certificate Programs

### *Certificate Program for Paralegals*

This program provides a sequence of courses leading to a certificate in the broad range of legal services known as general practice. The program includes practical orientation to legal procedure and the court system, an introduction to legal research, writing, and computers, and a procedural overview of several areas of law, including litigation, business organizations, real estate, probate, and domestic relations. The Certificate Program is designed primarily for part-time students. Courses are offered either twice a week in the evenings or in a one-day seminar format. A new session will be starting in August. For more information, contact the Community Programs office in Portland, 780-4045.

### *Certificate Program for PC Coordinators*

Rapid increase in the use of personal computers in business, education, and government agencies has created a new demand: the need for an in-house personal computer resource person. The Certificate Program for Personal Computer Coordinators is designed to prepare and support individuals in this new role. The role of the PC coordinator requires mastery of technical skills, ongoing review of new technology, and highly developed consulting skills, including problem solving, communication, and training.

The purpose of the PC coordinator's certificate program is to develop both technical and professional skills simultaneously, emphasizing actual business situations and context. Also emphasized will be the role of the personal computer in office productivity and an understanding of management information systems. Intensive hands-on practice will be combined with lecture/discussion, problem-solving exercises, and presentation of a major project related to the participant's field. This multi-faceted approach will enable participants to prepare for the varied demands of an in-house consulting role.

Content includes advanced work in spreadsheet, database, systems analysis, hardware, communications, disk operating systems, and utilities. Time will also be devoted to programming concepts, word processing, and project management software applications. Professional development seminars will focus on self-assessment, the role of the coordinator, interpersonal and communication skills, design and delivery of training, initiating in-house consultation programs, policy development, and future developments in the personal computer field. Each student will be required to complete a project under the supervision of an instructor.

Applicants for the program must meet admission requirements. We will be accepting applications for the next session beginning in the fall of 1987. For more information please call 780-4045.

## Center for Real Estate Education

The Center for Real Estate Education offers the three required pre-licensing courses for those people interested in obtaining a real estate broker's license. These courses cover the material which will be tested on the licensure examination for both salesmen and brokers.

### *Real Estate Law*

Topics covered: real and personal property; historical background and the estates concept; landlord/tenant; marital property rights; co-ownership; miscellaneous property interests; wills and intestate succession; probate process; deeds, mortgages; the recording system; contracts; brokerage; environmental and land use regulation; Fair Housing laws.

### *Real Estate Valuation*

Topics covered: nature and characteristics of property value; principles and process of valuation; influences of area on value; inspection of building construction features; architectural style and function; comparable sales approach; cost approach; accrued depreciation; neighborhood analysis; land use and planning regulations; development and construction; site analysis and valuation; operating statements and income; multipliers and other comparable units; a professional opinion of value; the appraisal report.

### *Real Estate Practice*

Topics covered: the business organization; the trust account; locating the real estate office; policies and procedures; selecting an affiliation; listing the property; qualifying the buyer; Maine License Law; showing the property; obtaining the offer; presenting the offer; advertising types and terms; Fed. Reg. Fair Housing Act; Truth-in-Lending; mortgages; tax considerations of real estate ownership.

### *Locations*

Classes will be offered at USM, at either the Portland or Gorham campuses and at the Saco Center in Saco for the summer semester, beginning in May, 1987.

### *Correspondence Courses*

The Center for Real Estate Education offers a wide variety of correspondence courses which have been approved for continuing education credit by the Maine Real Estate Commission. The availability of these courses is not limited to just those who wish to obtain continuing education credit, but includes those individuals who have an interest in the subject matter. Contact the Center for Real Estate Education for more details.

### *Salesperson's Prelicensing Course*

This 7-week course is designed to help people study for the Maine Real Estate Salesperson's Licensing Examination. Four evenings are devoted to each of the three areas tested on the examination: Real Estate Law, Real Estate Valuation, and Real Estate Practice. Also pre-test, reading assignments, and final practice examination. Contact the Center for information regarding date, time, and locations. These courses are offered throughout the state of Maine.

For more information, call: Center for Real Estate Education, 68 High Street, Portland, ME 04101. Office Hours: 8-4:30, Monday-Friday, telephone: 780-4347

Charles S. Coit, Director  
Susan Jones, Program Specialist  
Beatrice Murgues, Secretary



### *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  
PAYS=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; CORT=Corthell Hall; GYM=Hill Gymnasium; RUSS=Russell Hall; LAW=Law School Building.



# Course Schedule

TOWN	COURSE	SEC	TYPE	COURSE TITLE	COL	CR HRS	TIME	DAYS	BLDG	ROOM	INSTRUCTOR	SESSION NO.
COLLEGE OF ARTS AND SCIENCES												
ART												
G	AED 412	01	LEC	ART EDUCATION CURRICULUM	CAS	3.0	9:00- 3:00	MTWTH	BAIL	312	TBA	7
THIS COURSE IS GIVEN JULY 27TH-AUGUST 6TH												
P	ARH 111G	01	LEC	HISTORY OF ART I	CAS	3.0	8:15-11:30	MTW	LUTH	403	SCHIFERL E	2
P	ARH 111G	02	LEC	HISTORY OF ART I	CAS	3.0	7:00- 9:40E	TTH	LUTH	403	TBA	1
P	ARH 112G	01	LEC	HISTORY OF ART II	CAS	3.0	7:00- 9:40E	MTW	LUTH	403	TBA	4
P	ARH 112G	02	LEC	HISTORY OF ART II	CAS	3.0	8:15-11:30	MTW	LUTH	403	TBA	6
P	ART 101G	01	LEC	APPROACHES TO ART	CAS	3.0	8:15-11:30	MTW	LUTH	403	TBA	3
P	ART 141F	01	SDO	FUND DESIGN I	CAS	3.0	6:45- 9:45E	MTW	LUTH	424	GOODALE R	7
THIS COURSE IS GIVEN MAY 11TH-AUGUST 14TH												
G	ART 231	01	SDO	CERAMICS	CAS	3.0	8:30- 4:00	MTW	RA	20	TBA	7
THIS COURSE IS GIVEN JUNE 22ND-JULY 15TH												
P	ART 259	01	SDO	LANDSCAPE DRAWING	CAS	3.0	8:30- 4:00	MTWTHFS	LUTH	425	BURK G	7
THIS COURSE IS GIVEN JULY 27TH-AUGUST 7TH												
P	ART 269	01	SDO	LANDSCAPE PAINTING	CAS	3.0	8:30- 4:00	MTWTH	LUTH	425	RAKOVAN L	7
THIS COURSE IS GIVEN JUNE 8TH-JUNE 27TH												
G	ART 271	01	SDO	PHOTOGRAPHY	CAS	3.0	6:00- 9:30E	MTWTH	RA	5	TBA	7
THIS COURSE IS GIVEN MAY 11TH-JUNE 18TH												
G	ART 299	01	SDO	2-D,3-D FIGURE STUDY	CAS	3.0	8:30- 4:00	MTWTH	RA	7	TBA	7
THIS COURSE IS GIVEN JULY 27TH-AUGUST 13TH												
P	ART 363	01	SDO	PAINTING-WATERCOLOR	CAS	3.0	8:30- 4:30	MTW	LUTH	424	BEARCE J	2
G	ART 412	01	SDO	VISUAL ARTS WORKSHOP	CAS	3.0	8:30- 4:00	MTWTH	ACAD	202	MARASCO R	7
THIS COURSE IS GIVEN JULY 6TH-JULY 24TH												
BIOLOGY												
P	BIO 105K	01	LEC	ELEMENTS OF BIOLOGY	CAS	3.0	7:00- 9:40E	TTH	SCI	165	TBA	1
P	BIO 281	01	LEC	MICROBIOLOGY AND DISEASE	CAS	3.0	8:15-11:30	MTW	SCI	208	NAJARIAN H	1
P	BIO 282	L1	LAB	MICROBIOLOGY AND DIS LAB	CAS	2.0	8:15-12:30	TTH	SCI	405	NAJARIAN H	1
P	BIO 291	01	LEC	ORNITHOLOGY	CAS	3.0	8:15-11:30	MTW	SCI	166	RICIPUTI R	2
P	BIO 345	01	LEC	PATHOPHYSIOLOGY	CAS	3.0	4:00- 6:40	TTH	SCI	208	OMAHONEY P	1
G	BIO 441	01	LEC	INDEPENDENT STUDY	CAS	1-15.0		A	A	A	GAINERY L	7
THIS COURSE IS GIVEN MAY 11TH-AUGUST 14TH												
ARTS AND SCIENCES												
G	ARS 199	01	LEC	INTRO TO WORLD RELIGIONS	CAS	3.0	7:00- 9:40E	TTH	A	A	ROSE J	1
CHEMISTRY												
G	CHY 101K	01	LEC	INTRO TO CHEMISTRY	CAS	3.0	7:00- 9:40E	MTW	BAIL	312	BEST R	1
G	CHY 102K	L1	LAB	INTRO TO LAB MEASUREMENT	CAS	1.0	5:00- 7:40	TTH	BAIL	309	NEUMIRTH V	1
G	CHY 103	01	LEC	INTRO ORGANIC BIOCHEM	CAS	3.0	7:00- 9:40E	MTW	BAIL	312	SHERMAN G	4
G	CHY 104	L1	LAB	INTRO ORGANIC BIOCHEM LAB	CAS	1.0	5:00- 7:40	TTH	BAIL	309	NEUMIRTH V	4
P	CHY 113	01	LEC	PRINCIPLES OF CHEMISTRY I	CAS	3.0	8:30-10:00	MTWTH	PAYS	306	STEBBINS R	1
P	CHY 114	L1	LAB	LAB TECHNIQUES I	CAS	1.0	12:00- 3:00	TTH	PAYS	305	NEUMIRTH V	1
P	CHY 411	01	LEC	SPECIAL TOPICS	CAS	1- 3.0		A	A	A	RHODES J	7
P	CHY 412	01	LEC	SPECIAL TOPICS	CAS	1- 3.0		A	A	A	RICCI J	7
P	CHY 413	01	LEC	SPECIAL TOPICS	CAS	1- 3.0		A	A	A	SMITH A	7
P	CHY 414	01	LEC	SPECIAL TOPICS	CAS	1- 3.0		A	A	A	SOTTERY T	7
P	CHY 415	01	LEC	SPECIAL TOPICS	CAS	1- 3.0		A	A	A	STEBBINS R	7
P	CHY 490	01	LEC	SENIOR RESEARCH PROJECT	CAS	1-15.0		A	A	A	TBA	7
COMMUNICATION												
P	COM 102J	01	LEC	INTRO TO COMMUNICATION	CAS	3.0	8:15-11:30	TTH	PAYS	204	HANISKO S	5
P	COM 102J	02	LEC	INTRO TO COMMUNICATION	CAS	3.0	4:00- 6:40	TTH	LUTH	209	SHEDLETSKY L	1
P	COM 102J	03	LEC	INTRO TO COMMUNICATION	CAS	3.0	7:00- 9:40E	MTW	LUTH	503	HANISKO S	4
P	COM 150	01	LEC	BUSINESS COMMUNICATION	CAS	3.0	4:00- 6:40	MTW	LUTH	402	RICE T	1
G	COM 340	01	LEC	SMALL GROUP COMMUNICATION	CAS	3.0	8:15-11:30	MTW	BAIL	322	KIVATISKY R	2
G	COM 430	01	LEC	INTERNSHIP	CAS	1-15.0		A	A	A	KIVATISKY R	2
P	COM 485	01	LEC	SEX DIFFERENCES	CAS	3.0	4:00- 6:40	MTW	LUTH	208	SHEDLETSKY L	1
CORE CURRICULUM												
P	COR 103	01	LEC	REVOLUTION IN THE ARTS	CAS	3.0	4:00- 7:00	MTW	LUTH	510	SCHFERL/COLE	2



TOWN	COURSE	SEC	TYPE	COURSE TITLE	COL	CR HRS	TIME	DAYS	BLDG	ROOM	INSTRUCTOR	SESSION NO.
CRIMINOLOGY												
P	CRM 215	01	LEC	CRIMINOLOGY	CAS	3.0	8:15-11:30	MTW	LUTH	510	ANSPACH D	2
X	CRM 399	01	LEC	CRIMINOLOGY IN SWEDEN	CAS	6.0		A	A	A	MESSERSCHMIDT J	7
THIS COURSE IS GIVEN MAY 11TH-MAY 30TH CONTACT SUMMER SESSION OFFICE AT 780-4076												
ENGLISH												
P	ENG 100C	01	LEC	COLLEGE WRITING	CAS	3.0	7:00- 9:40E	MM	LUTH	502	MCGRATH F	1
P	ENG 100C	02	LEC	COLLEGE WRITING	CAS	3.0	12:30- 3:45	MTW	LUTH	509	SMITH G	2
P	ENG 100C	03	LEC	COLLEGE WRITING	CAS	3.0	4:00- 6:40	TTH	LUTH	402	SELKIN M	4
P	ENG 120H	01	LEC	INTRO TO LITERATURE	CAS	3.0	8:15-11:30	MTW	LUTH	523	TBA	2
P	ENG 120H	02	LEC	INTRO TO LITERATURE	CAS	3.0	4:00- 6:40	MM	LUTH	523	ROSEN K	1
P	ENG 120H	03	LEC	INTRO TO LITERATURE	CAS	3.0	7:00- 9:40E	TTH	LUTH	402	SELKIN M	4
P	ENG 161H	01	LEC	FICTION-THE GENRE	CAS	3.0	8:15-11:30	MTW	LUTH	509	BURKE L	2
P	ENG 201F	01	LEC	CREATIVE WRITING	CAS	3.0	7:00- 9:40E	TTH	LUTH	327	MCGRATH B	1
P	ENG 209	01	LEC	BUSINESS & REPORT WRITING	CAS	3.0	7:00- 9:40E	TTH	LUTH	502	JAQUES J	4
P	ENG 210	01	LEC	NEWS WRITING	CAS	3.0	7:00- 9:40E	MM	LUTH	327	LOVELL J	4
P	ENG 260	01	LEC	SHAKESPEARE	CAS	3.0	8:15-11:30	TTH	LUTH	523	WOLF B	5
P	ENG 291	01	LEC	MODERN AGE AMERICA	CAS	3.0	12:30- 3:45	MTW	LUTH	402	SMITH G	3
G	ENG 302F	01	LEC	FICTION WORKSHOP	CAS	3.0	9:30-12:00	MTWTHF	BAIL	206	TBA	7
THIS COURSE IS GIVEN AUGUST 2ND-AUGUST 14TH CONTACT KEN ROSEN AT 780-4291												
G	ENG 303F	01	LEC	POETRY WORKSHOP	CAS	3.0	9:30-12:00	MTWTHF	BAIL	215	TBA	7
THIS COURSE IS GIVEN AUGUST 2ND-AUGUST 14TH CONTACT KEN ROSEN AT 780-4291												
G	ENG 304	01	LEC	WRITING THE CONTEMP NOVEL	CAS	3.0	9:30-12:00	MTWTHF	BAIL	201	TBA	7
THIS COURSE IS GIVEN AUGUST 2ND-AUGUST 14TH CONTACT KEN ROSEN AT 780-4291												
P	ENG 382	01	LEC	19TH CENTURY AMER NOVEL	CAS	3.0	12:30- 3:45	MTW	LUTH	523	TBA	2
P	ENG 389	01	LEC	WRITERS OF MAINE	CAS	3.0	7:00- 9:40E	MM	LUTH	502	JAQUES J	4
P	ENG 392	01	LEC	20TH CENT BRITISH NOVELS	CAS	3.0	4:00- 6:40	TTH	LUTH	402	ROSEN K	1
FOREIGN LANGUAGES & CLASSICS												
P	FRE 107	L1	LAB	INTENSIVE BEGIN FRE LAB	CAS	2.0	8:30- 9:15	MTWTHF	PAYS	203	ROLFE F	5
P	FRE 107	01	LEC	INTENSIVE BEGIN FRENCH	CAS	6.0	9:30-12:45	MTWTHF	PAYS	207	ROLFE F	5
STUDENTS MUST ALSO REGISTER FOR LAB												
P	FRE 464	01	LEC	20TH CENTURY FRENCH LIT	CAS	3.0	8:15-11:30	MM	LUTH	523	DIBENEDETTO L	5
P	GER 107	L1	LAB	INTENSIVE BEGIN GER LAB	CAS	2.0	8:30- 9:15	MTWTHF	PAYS	203	DANIELS M	5
P	GER 107	01	LEC	INTENSIVE BEGIN GERMAN	CAS	6.0	9:30-12:45	MTWTHF	PAYS	208	TBA	5
STUDENTS MUST ALSO REGISTER FOR LAB												
P	SPA 199	L1	LAB	INTENSIVE BEGIN SPA LAB	CAS	2.0	11:45-12:30	MTWTHF	PAYS	203	SUSCAVAGE C	5
P	SPA 199	01	LEC	INTENSIVE BEGIN SPANISH	CAS	6.0	8:15-11:30	MTWTHF	PAYS	202	SUSCAVAGE C	5
STUDENTS MUST ALSO REGISTER FOR LAB												
GEOGRAPHY & ANTHROPOLOGY												
G	GEO 120J	01	LEC	GEOGRAPHY OF MAINE	CAS	3.0	8:15-11:30	MTW	BAIL	322	HODGES F	3
X	GEO 206	01	LEC	GEOGRAPHY FIELD CAMP	CAS	3.0		A	A	A	TBA	7
THIS COURSE IS GIVEN MAY 11TH-MAY 22ND CLASS WILL BE HELD AT RECOMPENCE CAMPSITES CONTACT SUMMER SESSION OFFICE AT 780-4076												
G	GEO 400	01	LEC	INDEPENDENT STUDY	CAS	1-15.0		A	A	A	STAFF	7
THIS COURSE IS GIVEN MAY 11TH-AUGUST 14TH												
X	GYA 300	01	LEC	ARCHEOLOGY FIELD SCHOOL	CAS	6.0		A	A	A	YESNER/HAMILTON	7
THIS COURSE IS GIVEN MAY 18TH-JUNE 26TH CLASS WILL BE HELD AT RECOMPENCE CAMPSITES CONTACT SUMMER SESSION OFFICE AT 780-4076												
GEOSCIENCES												
P	GEY 111K	01	LEC	PHYSICAL GEOLOGY	CAS	3.0	7:00- 9:40E	TTH	SCI	533	NOVAK I	1
G	GEY 350	01	LEC	GEOLOGICAL FIELD METHOOS	CAS	6.0	8:30- 5:00	MTWTHF	BAIL	312	POLLOCK S	7
THIS COURSE IS GIVEN JUNE 1ST-JULY 3RD CONTACT STEVE POLLOCK AT 780-5351												
G	OCE 100K	01	LEC	INTRO TO OCEANOGRAPHY	CAS	3.0	8:15-11:30	MTW	BAIL	213	TURNER E	2
G	OCE 100K	02	LEC	INTRO TO OCEANOGRAPHY	CAS	3.0	4:00- 6:40	MM	BAIL	215	NAIDEN P	4
G	OCE 101K	01	LAB	OCEANOGRAPHY LABORATORY	CAS	1.0	12:30- 3:45	MTW	BAIL	215	TURNER E	2
G	OCE 101K	02	LAB	OCEANOGRAPHY LABORATORY	CAS	1.0	7:00- 9:00E	MM	BAIL	214	NAIDEN P	4

TOWN	COURSE	SEC	TYPE	COURSE TITLE	COL	CR HRS	TIME	DAYS	BLDG	ROOM	INSTRUCTOR	SESSION NO.
HISTORY												
P	HTY 101I	01	LEC	WESTERN CIVILIZATION I	CAS	3.0	7:00- 9:40E	MM	LUTH	302	COLE P	1
P	HTY 102I	01	LEC	WESTERN CIVILIZATION II	CAS	3.0	7:00- 9:40E	MM	LUTH	302	VENTRESCO F	4
P	HTY 131I	01	LEC	U.S. HISTORY TO 1877	CAS	3.0	7:00- 9:40E	TTH	LUTH	503	BARNES D	1
P	HTY 132I	01	LEC	U.S. HISTORY SINCE 1877	CAS	3.0	7:00- 9:40E	TTH	LUTH	302	WHITMORE A	4
P	HTY 300	01	LEC	HISTORY INTERNSHIP	CAS	3.0		A	A	A	EASTMAN J	7
THIS COURSE IS GIVEN MAY 11TH-AUGUST 14TH												
P	HTY 307	01	LEC	CIVIL WAR&RECONSTRUCTION	CAS	3.0	8:15-11:30	MTW	LUTH	503	HUNT H	2
P	HTY 321	01	LEC	HISTORY OF MAINE	CAS	3.0	7:00- 9:40E	MM	LUTH	503	EASTMAN J	1
P	HTY 325	01	LEC	HISTORY OF AMER FRONTIER	CAS	3.0	4:00- 6:40	TTH	LUTH	302	TBA	1
P	HTY 348	01	LEC	RELIGION IN AMERICA	CAS	3.0	8:15-11:30	MTW	LUTH	302	WHITMORE A	3
P	HTY 498	01	LEC	INDEPENDENT STUDY	CAS	1-15.0		A	A	A	TBA	7
P	HTY 534	01	LEC	MAINE HISTORY AND TRAVEL	CAS	3.0		A	LUTH	403	YORK R	7
THIS COURSE IS GIVEN JUNE 22ND, 26TH, JULY 10TH, 17TH (1:00-5:00) JUNE 27TH, JULY 11TH, 18TH (8:30-5:00)												
MATHEMATICS												
G	MAC 100	01	LEC	COMPUTERS AND SOCIETY	CAS	3.0	4:00- 6:40	MM	BAIL	107	ESTES R	1
G	MAC 100	02	LEC	COMPUTERS AND SOCIETY	CAS	3.0	12:30- 3:45	MTWTH	BAIL	107	ESTES R	7
THIS COURSE IS GIVEN JUNE 22ND-JULY 16TH												
G	MAC 234	01	LEC	COMP PROG FOR ELEM TEACH	CAS	3.0	7:00- 9:40E	MM	BAIL	102	KRATZER R	1
G	MAC 528	01	LEC	COMPUTER PROGRAMMING I	CAS	3.0	7:00- 9:40E	MM	BAIL	102	KRATZER R	1
G	MAT 010	01	LEC	ELEMENTARY ALGEBRA	CAS	3.0	7:00- 9:40E	MM	BAIL	104	SOYCHAK A	1
P	MAT 010	02	LEC	ELEMENTARY ALGEBRA	CAS	3.0	7:00- 9:40E	MM	PAYS	207	TBA	4
P	MAT 011B	01	LEC	INTERMEDIATE ALGEBRA	CAS	3.0	7:00- 9:40E	MM	PAYS	207	KUCINSKI J	1
G	MAT 011B	02	LEC	INTERMEDIATE ALGEBRA	CAS	3.0	7:00- 9:40E	MM	BAIL	104	SOYCHAK A	4
P	MAT 100D	01	LEC	COLLEGE ALGEBRA	CAS	3.0	7:00- 9:40E	MM	PAYS	202	MERROW N	1
P	MAT 100D	02	LEC	COLLEGE ALGEBRA	CAS	3.0	7:00- 9:40E	TTH	PAYS	202	TBA	4
P	MAT 100D	03	LEC	COLLEGE ALGEBRA	CAS	3.0	8:15- 9:45	MTWTH	PAYS	209	MAINVILLE M	7
THIS COURSE IS GIVEN JUNE 22ND-JULY 30TH												
P	MAT 104D	01	LEC	TOPICS IN MATH I	CAS	3.0	8:15-10:30	MTWTH	PAYS	44	MACDONALD S	7
THIS COURSE IS GIVEN MAY 11TH-JUNE 4TH												
P	MAT 110D	01	LEC	ELEM MATH ANALYSIS	CAS	3.0	7:00- 9:40E	TTH	PAYS	202	FOSTER C	1
P	MAT 110D	02	LEC	ELEM MATH ANALYSIS	CAS	3.0	7:00- 9:40E	TTH	PAYS	207	BRUNETTE J	4
P	MAT 110D	03	LEC	ELEM MATH ANALYSIS	CAS	3.0	10:00-11:30	MTWTH	PAYS	209	MAINVILLE M	7
THIS COURSE IS GIVEN JUNE 22ND-JULY 30TH												
P	MAT 120D	01	LEC	INTRO TO STATISTICS	CAS	3.0	7:00- 9:40E	TTH	PAYS	205	MEDICI A	1
P	MAT 120D	02	LEC	INTRO TO STATISTICS	CAS	3.0	7:00- 9:40E	TTH	PAYS	204	MERROW N	4
P	MAT 140D	01	LEC	PRE-CALCULUS MATHEMATICS	CAS	3.0	7:00- 9:40E	TTH	PAYS	204	IRISH J	1
P	MAT 140D	02	LEC	PRE-CALCULUS MATHEMATICS	CAS	3.0	7:00- 9:40E	TTH	PAYS	209	SMALL R	4
P	MAT 140D	03	LEC	PRE-CALCULUS MATHEMATICS	CAS	3.0	8:15-10:30	MTWTH	PAYS	205	GUAY M	7
THIS COURSE IS GIVEN MAY 11TH-JUNE 4TH												
P	MAT 152D	01	LEC	CALCULUS A	CAS	4.0	8:15-10:30	MTWTH	PAYS	44	BROWN M	7
THIS COURSE IS GIVEN JUNE 22ND-AUGUST 6TH												
P	MAT 153	01	LEC	CALCULUS B	CAS	4.0	5:00- 6:40	MTTH	PAYS	306	CHABOT M	7
THIS COURSE IS GIVEN MAY 11TH-JULY 9TH												
P	MAT 211	01	LEC	PROBABILITY	CAS	3.0	4:00- 6:40	MM	PAYS	205	GUPTA B	1
P	MAT 211	02	LEC	PROBABILITY	CAS	3.0	7:00- 9:40E	MM	PAYS	204	GUPTA S	4
P	MAT 212	01	LEC	STATISTICS	CAS	3.0	4:00- 6:40	TTH	PAYS	205	GUPTA B	1
P	MAT 212	02	LEC	STATISTICS	CAS	3.0	7:00- 9:40E	TTH	PAYS	205	GUPTA S	4
P	MAT 252	01	LEC	CALCULUS C	CAS	4.0	7:00- 8:40E	MTTH	PAYS	306	CHABOT M	7
THIS COURSE IS GIVEN MAY 11TH-JULY 9TH												
G	MAT 502	01	LEC	NUMBER SYSTEMS	CAS	3.0	8:00-10:15	MTWTHF	BAIL	102	KRATZER R	7
THIS COURSE IS GIVEN JUNE 22ND-JULY 17TH												
G	MAT 549	01	LEC	SELECTED TOPICS	CAS	3.0	10:15-12:30	MTWTHF	BAIL	102	KRATZER R	7
THIS COURSE IS GIVEN JUNE 22ND-JULY 17TH												
MILITARY SCIENCE												
G	MIS 229	01	LEC	ROTC BASIC CAMP	CAS	6.0		A	A	A	GRANT B	7
THIS COURSE IS GIVEN MAY 30TH-JULY 9TH AT FORT KNOX, KENTUCKY												
G	MIS 229	02	LEC	ROTC BASIC CAMP	CAS	6.0		A	A	A	GRANT B	7
THIS COURSE IS GIVEN JUNE 6TH-JULY 16TH AT FORT KNOX, KENTUCKY												
G	MIS 229	03	LEC	ROTC BASIC CAMP	CAS	6.0		A	A	A	GRANT B	7
THIS COURSE IS GIVEN JUNE 13TH-JULY 23RD AT FORT KNOX, KENTUCKY												
G	MIS 229	04	LEC	ROTC BASIC CAMP	CAS	6.0		A	A	A	GRANT B	7
THIS COURSE IS GIVEN JUNE 20TH-JULY 30TH AT FORT KNOX, KENTUCKY												
MUSIC												
G	MUE 521	01	LEC	NEW ENGLAND MUSIC WKSH	CAS	3.0	8:30- 3:30	MTWTHF	CORT		ATTERBURY B	7
THIS COURSE IS GIVEN JULY 27TH-JULY 31ST												
G	MUE 599	01	LEC	BRASS&PERCUSSION METHODS	CAS	3.0	8:30- 3:30	MTWTHF	CORT A		MARTIN P	7
THIS COURSE IS GIVEN AUGUST 3RD-AUGUST 7TH												



TOWN	COURSE	SEC	TYPE	COURSE TITLE	COL	CR HRS	TIME	DAYS	BLDG	ROOM	INSTRUCTOR	SESSION NO.
P	MUS 100G	01	LEC	MUSIC APPREC AND HISTORY	CAS	3.0	7:00- 9:40E	MM	LUTH	524	PARCHMAN T	4
P	MUS 110F	01	LEC	FUNDAMENTALS OF MUSIC	CAS	3.0	7:00- 9:40E	TTH	LUTH	524	MARTIN P	1
X	MUS 406	01	LEC	CHAMBER MUSIC:STRINGS	CAS	1-15.0	8:00- 7:00E	MTWTHF	A	A	QUARTET	7

THIS COURSE IS GIVEN AUGUST 3RD-AUGUST 16TH AT COLBY

#### PHILOSOPHY

P	PHI 101E	01	LEC	INTRO:MAN AND HIS WILL	CAS	3.0	12:30- 3:45	MTW	LUTH	403	SCHMANAUER F	2
P	PHI 103E	02	LEC	INTRO:HUMAN ALIENATION	CAS	3.0	8:15-11:30	MTW	LUTH	402	GRANGE J	2
P	PHI 108E	01	LEC	INTRO:DEF OF CONSCIENCE	CAS	3.0	7:00- 9:30E	MM	LUTH	402	VONMAGNUS E	1
P	PHI 108E	02	LEC	INTRO:DEF OF CONSCIENCE	CAS	3.0	7:00- 9:40E	TTH	LUTH	403	VONMAGNUS E	4
P	PHI 398	01	LEC	INDEPENDENT STUDY	CAS	1-15.0		A	A	A	STAFF	7

THIS COURSE IS GIVEN MAY 11TH-AUGUST 14TH

#### PHYSICS

P	PHY 111	L1	LAB	ELEMENTS OF PHYSICS I LAB	CAS	.0	7:00- 9:40E	T	SCI	266	WALKLING R	1
P	PHY 111	R1	REC	ELEMENTS OF PHYSICS I REC	CAS	.0	7:00- 9:40E	TH	SCI	262	WALKLING R	1
P	PHY 111	01	LEC	ELEMENTS OF PHYSICS I	CAS	4.5	7:00- 9:40E	MM	SCI	165	WALKLING R	1
P	PHY 112	L1	LAB	ELEM OF PHYSICS II LAB	CAS	.0	7:00- 9:40E	T	SCI	266	COAKLEY R	4
P	PHY 112	R1	REC	ELEM OF PHYSICS II REC	CAS	.0	7:00- 9:40E	TH	SCI	262	COAKLEY R	4
P	PHY 112	01	LEC	ELEMENTS OF PHYSICS II	CAS	4.5	7:00- 9:40E	MM	SCI	165	COAKLEY R	4

#### POLITICAL SCIENCE

P	POS 101J	01	LEC	INTRO TO AMER GOVERNMENT	CAS	3.0	4:00- 6:40	TTH	LUTH	503	WOSHINSKY O	1
P	POS 120	30	LEC	GOVT & POLITICS OF MAINE	CAS	3.0	4:00- 6:40	TTH	PAYS	304	COOGAN W	1
THIS IS AN ITV COURSE ORIGINATION SITE. SEE PAGE 3.												
G	POS 120	31	LEC	GOVT & POLITICS OF MAINE	CAS	3.0	4:00- 6:40	TTH	BAIL	304	COOGAN W	1
THIS IS AN ITV COURSE RECEIVE SITE. SEE PAGE 3.												

#### PSYCHOLOGY

P	PSY 101J	01	LEC	GENERAL PSYCHOLOGY I	CAS	3.0	8:15-11:30	MTW	SCI	305	SYSTMA D	2
P	PSY 101J	02	LEC	GENERAL PSYCHOLOGY I	CAS	3.0	7:00- 9:40E	TTH	PAYS	301A	SYSTMA D	1
G	PSY 101J	03	LEC	GENERAL PSYCHOLOGY I	CAS	3.0	7:00- 9:40E	TTH	BAIL	404	BROIDA J	4
P	PSY 102	01	LEC	GENERAL PSYCHOLOGY II	CAS	3.0	4:00- 6:40	TTH	SCI	533	GAYTON W	1
P	PSY 102	02	LEC	GENERAL PSYCHOLOGY II	CAS	3.0	4:00- 6:40	TTH	SCI	305	GAYTON W	4
P	PSY 201D	01	LEC	STATISTICS IN PSYCHOLOGY	CAS	3.0	8:15-11:00	MTWTH	SCI	533	HEARNS J	7
THIS COURSE IS GIVEN MAY 11TH-JUNE 5TH												
P	PSY 232	01	LEC	PSYCHOLOGY OF ADJUSTMENT	CAS	3.0	7:00- 9:40E	TTH	SCI	533	TBA	4
P	PSY 235	01	LEC	PSYCHOLOGY OF WOMEN	CAS	3.0	8:15-11:30	MTW	SCI	262	KARPELES K	2
P	PSY 333	01	LEC	PSYCHOPATHOLOGY	CAS	3.0	8:15-11:30	MTW	PAYS	207	BISHOP J	2
P	PSY 400	01	LEC	SPORTS PSYCHOLOGY	CAS	3.0		A	A	A	GAYTON W	7
THIS COURSE IS GIVEN JUNE 26TH-JUNE 27TH												
CONTACT SUMMER SESSION AT 780-4076												
P	PSY 400	02	LEC	CHILDHOOD PSYCHOPATHOLOGY	CAS	3.0	8:30- 4:00	FS	SCI	533	GAYTON W	7
THIS COURSE IS GIVEN AUGUST 7TH-AUGUST 8TH												
CONTACT SUMMER SESSION OFFICE AT 780-4076												

#### SOCIOLOGY

P	SOC 100J	01	LEC	INTRO TO SOCIOLOGY	CAS	3.0	8:15-11:30	MTW	PAYS	204	FULLAM D	2
P	SOC 100J	02	LEC	INTRO TO SOCIOLOGY	CAS	3.0	8:15-11:30	MTW	PAYS	205	LACOGNATA A	3
P	SOC 100J	03	LEC	INTRO TO SOCIOLOGY	CAS	3.0	7:00-10:00E	MM	PAYS	301A	LACOGNATA A	5
P	SOC 100J	30	LEC	INTRO TO SOCIOLOGY	CAS	3.0	7:00- 9:40E	MM	PAYS	204	GIGUERE M	1
THIS IS AN ITV COURSE ORIGINATION SITE. SEE PAGE 3.												
G	SOC 100J	31	LEC	INTRO TO SOCIOLOGY	CAS	3.0	7:00- 9:40E	MM	BAIL	304	GIGUERE M	1
THIS IS AN ITV COURSE RECEIVE SITE. SEE PAGE 3.												
P	SOC 200	01	LEC	SOCIAL PROBLEMS	CAS	3.0	8:15-11:30	MTW	LUTH	302	GRZELKOWSKI S	6
P	SOC 215	01	LEC	CRIMINOLOGY	CAS	3.0	8:15-11:30	MTW	LUTH	510	ANSPACH D	2

#### SOCIAL WORK

P	SNE 101J	01	LEC	INTRO TO SOCIAL WELFARE	CAS	3.0	12:30- 3:45	A	LUTH	302	PARTRIDGE R	3
P	SNE 101J	02	LEC	INTRO TO SOCIAL WELFARE	CAS	3.0	7:00- 9:40E	MM	LUTH	327	VANBETUM B	1
P	SNE 102	01	LEC	INTRO TO SOCIAL WORK	CAS	3.0	8:15-11:30	TTH	LUTH	327	KINDLER D	5
P	SNE 397	01	LEC	INDEPENDENT STUDY	CAS	1-15.0		A	A	A	KREISLER J	7

THIS COURSE IS GIVEN MAY 11TH-AUGUST 14TH

#### THEATRE

P	THE 101G	01	LEC	INTRODUCTION TO DRAMA	CAS	3.0	12:30- 3:45	MTW	LUTH	502	ROOTES M	3
P	THE 120F	01	LEC	FUNDAMENTALS OF ACTING	CAS	3.0	8:15-11:30	MTW	GYMP	M-P	ROOTES M	3
P	THE 121F	01	LEC	FUND OF ACTING:SCENE WORK	CAS	3.0	12:30- 3:45	MM	LUTH	LBA	STEELE W	5
P	THE 121F	02	LEC	FUND OF ACTING:SCENE WORK	CAS	3.0	7:00- 9:40E	TTH	LUTH	LBA	HOLEN A	1
G	THE 135F	01	LEC	STAGECRAFT I	CAS	3.0	12:30- 3:45	MTW	BAIL	206	TBA	2

THIS COURSE MUST BE TAKEN WITH THE 136F01

TOWN	COURSE	SEC	TYPE	COURSE TITLE	COL	HRS	TIME	DAYS	BLDG	ROOM	INSTRUCTOR	SESSION NO.
G	THE 135F	02	LEC	STAGECRAFT I THIS COURSE MUST BE TAKEN WITH THE 136F01 THIS COURSE IS GIVEN JUNE 8TH-JULY 3RD	CAS	3.0	12:30- 3:45	MTW	BAIL	206	TBA	7
G	THE 135F	03	LEC	STAGECRAFT I THIS COURSE MUST BE TAKEN WITH THE 136F01 THIS COURSE IS GIVEN JUNE 22ND-JULY 17TH	CAS	3.0	12:30- 3:45	MTW	BAIL	205	TBA	7
G	THE 136F	01	LAB	STAGECRAFT I LAB THIS COURSE MUST BE TAKEN WITH THE 135F	CAS	1.0		A	A	A	TBA	7
P	THE 170F	01	LEC	PUBLIC SPEAKING	CAS	3.0	7:00- 9:40E	MM	LUTH	402	KINNE C	4
P	THE 170F	02	LEC	PUBLIC SPEAKING	CAS	3.0	12:30- 3:45	MTW	LUTH	402	KINNE C	2
P	THE 170F	03	LEC	PUBLIC SPEAKING	CAS	3.0	8:15-11:30	MTW	LUTH	402	DUCLOS A	3
P	THE 170F	04	LEC	PUBLIC SPEAKING	CAS	3.0	8:15-11:30	MM	LUTH	327	STEELE W	5
G	THE 199	01	LEC	SUMMER THEATER PRODUCTION	CAS	3.0		A	RUSS	A	STUMP W	7
P	THE 222F	01	LEC	CONTEMPORARY DANCE II	CAS	3.0	8:15-11:30	MTW	GYMP	GYM	SALMON N	2
G	THE 240	01	LEC	COSTUMING I THIS COURSE MUST BE TAKEN WITH THE 241	CAS	3.0	12:30- 3:45	MTW	RUSS	A	TBA	2
G	THE 240	02	LEC	COSTUMING I THIS COURSE MUST BE TAKEN WITH THE 241 THIS COURSE IS GIVEN JUNE 8TH-JULY 3RD	CAS	3.0	12:30- 3:45	MTW	RUSS	A	TBA	7
G	THE 240	03	LEC	COSTUMING I THIS COURSE MUST BE TAKEN WITH THE 241 THIS COURSE IS GIVEN JUNE 22ND-JULY 17TH	CAS	3.0	12:30- 3:45	MTW	RUSS	A	TBA	7
G	THE 241	01	LAB	COSTUMING I LAB THIS COURSE MUST BE TAKEN WITH THE 240	CAS	1.0		A	A	A	TBA	7
P	THE 290F	01	LEC	ORAL INTERPRETATION	CAS	3.0	8:15-11:30	MTW	LUTH	502	STUMP W	3

#### WOMEN'S STUDIES

P	WST 130	01	LEC	INTRO TO WOMEN'S STUDIES	CAS	3.0	12:30- 3:45	MM	LUTH	327	DEMING A	5
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#### COLLEGE OF EDUCATION

##### UNDERGRADUATE EDUCATION

G	EDU 200	01	LEC	STUDIES-EDUC FOUNDATIONS	COE	3.0	8:15-11:30	MTW	BAIL	404	MORRILL D	2
G	EDU 210	01	LEC	THRY FOUND EDUCATION	COE	3.0	12:30- 3:45	MTW	BAIL	110	NEUBERGER H	6
G	EDU 305	01	LEC	TEACH ELEM SCH MATH	COE	3.0	8:15-11:30	TTH	BAIL	105	BOONE P	5
G	EDU 308	01	LEC	SCIENCE FOR CHILDREN	COE	3.0	8:15-11:30	MTW	BAIL	110	NEUBERGER H	6
G	EDU 312	01	LEC	TEACH LANGUAGE ARTS	COE	3.0	8:15-11:30	MTW	BAIL	302	COSTELLO M	2
G	EDU 321	01	LEC	DEVELOPMENTAL READING II	COE	3.0	12:30- 3:45	MTW	BAIL	321	SMITH E	2
P	EDU 336	01	LEC	CHILDREN'S LITERATURE	COE	3.0	7:00- 9:40E	TTH	LUTH	502	HOLMAN C	1
P	HRD 299	01	LEC	ADULT LEARNING & DEVELOP	COE	3.0	4:00- 6:40	TTH	LUTH	327	BLINICK K	1
G	HRD 333J	01	LEC	HUMAN GROWTH&DEVELOPMENT	COE	3.0	4:00- 6:40	TTH	BAIL	405	COOK S	1
G	HRD 333J	02	LEC	HUMAN GROWTH&DEVELOPMENT	COE	3.0	4:00- 6:40	TTH	BAIL	322	SIMS T	4
G	PHE 102	01	LAB	INDEPENDENT ACTIVITIES	COE	1- 2.0		A	A	A	HODGDON P	7
G	PHE 242	01	LEC	EXP EDUC OUTWARD BOUND	COE	3.0		A	A	A	BOUCHARD J	7
SCHEDULING OF THIS COURSE IS TO BE ARRANGED WITH INSTRUCTOR. CONTACT JOEY BOUCHARD AT 780-5432												
G	PHE 343	01	LEC	EXP EDUC OUTWARD BOUND	COE	6.0		A	A	A	BOUCHARD J	7
SCHEDULING OF THIS COURSE IS TO BE ARRANGED WITH INSTRUCTOR. CONTACT JOEY BOUCHARD AT 780-5432												
G	PHE 353	01	LEC	TEACH TRAINING EXP EDUC	COE	6.0		A	A	A	BOUCHARD J	7
SCHEDULING OF THIS COURSE IS TO BE ARRANGED WITH INSTRUCTOR. CONTACT JOEY BOUCHARD AT 780-5432												

#### GRADUATE EDUCATION

##### GENERAL EDUCATION RESOURCE COURSES

G	EDU 501	01	LEC	INTRO TO COMPUTER APPL ED	COE	3.0	8:15-11:30	MM	BAIL	219	MILBURY A	5
G	EDU 600	01	LEC	RESEARCH METHODS&TECHNIQ	COE	3.0	4:00- 6:40	TTH	BAIL	302	GODOMSKY S	1
G	EDU 600	02	LEC	RESEARCH METHODS&TECHNIQ	COE	3.0	4:00- 6:40	MM	BAIL	404	SILVERNAIL D	1
G	EDU 600	03	LEC	RESEARCH METHODS&TECHNIQ	COE	3.0	8:15-11:30	MM	BAIL	321	TBA	5
G	EDU 699	01	LEC	INDEPENDENT STUDY	COE	1- 6.0		A	A	A	SMITH C	7
THIS COURSE IS GIVEN MAY 11TH-AUGUST 14TH												

##### HUMAN RESOURCE

G	HRD 502	01	LEC	FAMILY:IMPLICAT EDUCATORS	COE	3.0	4:00- 7:15	MTW	BAIL	201	DAVIS C	7
THIS COURSE IS GIVEN JUNE 22ND-JULY 17TH												
G	HRD 604	01	LEC	LIFE SPAN DEVELOPMENT I	COE	3.0	4:00- 6:40	TTH	BAIL	403	DAVIS C	1
G	HRD 605	01	LEC	LIFE SPAN DEVELOPMENT II	COE	3.0	7:00- 9:40E	TTH	BAIL	322	COOK S	1
G	HRD 607	01	LEC	INTRO TO SCH GUID SERVICE	COE	3.0	8:15-11:30	MM	BAIL	403	SUTTON J	5
G	HRD 620	01	LEC	FUNDAMENTALS COUNS SKILLS	COE	3.0	4:00- 6:40	MM	BAIL	208	SOUTHNORTH R	1
G	HRD 626	01	LEC	GROUP PROCESS&PROCEDURE	COE	3.0	7:00- 9:40E	MM	BAIL	208	SOUTHNORTH R	1

TO	COURSE	SEC	TYPE	COURSE TITLE	COL	CR HRS	TIME	DAYS	BLDG	ROOM	INSTRUCTOR	SESSION NO.
G	HRD 633	01	LEC	MANAGING ADULT&CONT EDUC	COE	3.0	4:00- 6:40	MM	BAIL	322	CALLENDER M	1
G	HRD 645	51	LEC	GERON:AGE,DY,BEREAV	COE	3.0	8:30- 4:30	MTWTHF	BAIL	215	BRADY M	7
				THIS COURSE IS GIVEN JUNE 22ND-JUNE 26TH								
G	HRD 665	01	LEC	PSY MEASURE & EVALUATION	COE	3.0	4:00- 6:40	MM	BAIL	302	SUTTON J	1
G	HRD 671	01	LEC	VOC ASPECTS OF DISABILITY	COE	3.0	8:00-12:30	MTWTHF	BAIL	208	PATTERSON J	7
				THIS COURSE IS GIVEN JULY 6TH-JULY 17TH								
G	HRD 680	01	LEC	INST ON GROUP COUNSELING	COE	3.0	8:00- 4:00	MTWTHF	BAIL	208	CARROLL M	7
				THIS COURSE IS GIVEN JUNE 22ND-JUNE 26TH								
G	HRD 686	01	LEC	INTERNSHIP IN COUNSEL EDU	COE 1-	6.0	7:00- 9:40E	M	BAIL	410	STEVENS R	7
				THIS COURSE IS GIVEN MAY 11TH-AUGUST 14TH								
G	HRD 687	01	LEC	INTERNSHIP IN ADULT EDUC	COE 1-12.0			A	A	A	BRADY M	7
				THIS COURSE IS GIVEN MAY 11TH-AUGUST 14TH								
G	HRD 690	01	LEC	INDIV COUNS PRACTICUM	COE	3.0	4:00- 6:40	M	BAIL	401	STEVENS R	7
				THIS COURSE IS GIVEN MAY 11TH-AUGUST 14TH								
G	HRD 698	01	LEC	DIRECTED STUDY IN HRD	COE 1-15.0			A	A	A	BRADY M	7
				THIS COURSE IS GIVEN MAY 11TH-AUGUST 14TH								
G	HRD 699	01	LEC	INDEPENDENT STUDY	COE 1- 6.0			A	A	A	CALLENDER M	7
				THIS COURSE IS GIVEN HAY 11TH-AUGUST 14TH								
G	HRDX540	01	LEC	AGES, STAGES AND STYLE	COE	3.0	8:00- 4:30	MTWTHF	BAIL	312	CHICKERING A	7
				THIS COURSE IS GIVEN JULY 20TH-JULY 24TH								
G	HRDX618	01	LEC	ISSUES IN REHABILITATION	COE	3.0	7:00- 9:40E	TTH	BAIL	404	SIMS T	1
G	HRDX627	01	LEC	COUN HANDICAP CHILD&FAMIL	COE	3.0	8:00-12:40	MTWTH	BAIL	313	MCMHIRTER J	7
				THIS COURSE IS GIVEN JULY 20TH-23RD, AND 27TH-30TH								
G	HRDX639	01	LEC	INDIV ORGANIZATION&CHANGE	COE	3.0	7:00- 9:40E	MM	BAIL	207	KELLY M	1

#### PROFESSIONAL ADMINISTRATION

##### EDUCATIONAL ADMINISTRATION

G	EDU 604	01	LEC	CURRICULUM DEVELOPMENT	COE	3.0	8:15-11:30	MM	BAIL	204	TBA	5
G	EDU 672	01	LEC	POL BASES DECISION MKG	COE	3.0	8:15-11:30	TTH	BAIL	204	DEADY J	5
G	EDU 679	01	LEC	EVAL&SUPER-SCH PERSONNEL	COE	3.0	12:30- 3:45	TTH	BAIL	321	TBA	5
G	EDU 680	01	LEC	STAFF DEVELOPMENT	COE	3.0	4:00- 6:40	MM	BAIL	204	MCGIFFIN G	1
G	EDU 683	01	LEC	SCHOOL FINANCE	COE	3.0	8:15-11:30	TTH	BAIL	207	MILLETT S	5
G	EDUX674	01	LEC	STRATEGIES IN SCHOOL IMP	COE	3.0	12:30- 3:45	TTH	BAIL	207	MILLETT S	5
X	EPD 510	51	LEC	1987 PRINCIPALS ACADEMY	COE	3.0		A	A	A	CARR J	7
				THIS COURSE IS GIVEN JULY 7TH-JULY 15TH AT UNIV OF ME (ORONO)								
X	EPDI501	51	LEC	INT'L SEM:ED LEADERSHIP	COE	3.0		A	A	A	SMITH C	7
				THIS COURSE IS GIVEN JUNE 24TH-JULY 13TH								
P	EPDI560	51	LEC	INST:LAW-RELATED ED	COE	3.0	8:30- 4:00	MTWTHF	LUTH	503	STAFF	7
				THIS COURSE IS GIVEN JUNE 22ND-JULY 3RD								
				CONTACT PDC AT 780-5315								

##### EXCEPTIONALITY

G	EXE 601	01	LEC	EDU PROGRAM EXCEPT CHILD	COE	3.0	8:15-11:30	MTWTH	BAIL	319	FEARON R	7
				THIS COURSE IS GIVEN JUNE 22ND-JULY 9TH								
G	EXE 620	01	LEC	LEARN DIS THEORY&PRACTICE	COE	3.0	4:00- 6:40	MM	BAIL	102	MANGANELLO R	1
G	EXE 620	02	LEC	LEARN DIS THEORY&PRACTICE	COE	3.0	8:15-11:30	MM	BAIL	201	MANGANELLO R	5
G	EXE 622	01	LEC	ADV METH LEARN DISABIL	COE	3.0	4:00- 6:40	MM	BAIL	206	SPRUIILL J	1
G	EXE 642	01	LEC	ORAL/AURAL DEVELOPMENT	COE	3.0	9:00- 5:00	MTWTHF	BAIL	104	JENSEN P	7
				THIS COURSE IS GIVEN JULY 13TH-JULY 17TH								
G	EXE 648	01	LEC	CURRICULUM:HEARING IMPAIR	COE	3.0	8:15-11:30	MTW	BAIL	302	MCGOUGH B	6
G	EXE 664	01	LEC	GIFTED STUDENT SPEC POPUL	COE	3.0	8:00-11:45	MTWTHF	BAIL	319	KLEINE P	7
				THIS COURSE IS GIVEN JULY 20TH-24TH,27TH-31ST								
G	EXE 682	01	LEC	SPEC ED:LAW, CONFLICT&RES	COE	3.0	4:00- 6:40	MM	BAIL	207	LYONS C	1
G	EXE 684	51	LEC	SPEC EDUC ADMINISTRATION	COE	3.0	8:30- 3:30	MTWTHF	BAIL	313	MARKOVCHICK K	7
				THIS COURSE IS GIVEN JUNE 22ND-JUNE 26TH								
G	EXE 687	51	LEC	TECH IN SPEC EDU & REHAB	COE	3.0	8:30- 3:30	MTWTH	BAIL	215	COHEN/SPENCINER	7
				THIS COURSE IS GIVEN JULY 13TH-15TH,20TH-22ND,27TH-30TH								

##### INSTRUCTIONAL LEADERSHIP

G	EDU 603	01	LEC	ANALYSIS OF TEACHING	COE	3.0	7:00- 9:40E	MM	BAIL	403	BROYLES I	1
G	EDU 610	01	LEC	SEM I:CRITIC ISSUES TEACH	COE	3.0	4:00- 6:40	MM	BAIL	205	HECKMAN P	1
P	EPD 503	51	LEC	ARTS EDUC INSTITUTE	COE	3.0	8:30- 4:00	MTWTHF	LUTH	425	MOORE J	7
				THIS COURSE IS GIVEN AUGUST 10TH-AUGUST 15TH								
G	EPD 537	51	LEC	GIFTED EDUC:PROGRAM PLANN	COE	3.0	8:00- 5:00	MTWTHF	BAIL	104	CURRY J	7
				THIS COURSE IS GIVEN JULY 6TH-JULY 10TH								
X	EPD 540	51	LEC	HEAR IMP:LANG DEV&INTERV	COE	3.0	8:30- 3:30	MTWTHF	A	A	REES T	7
				THIS COURSE IS GIVEN JULY 6TH-JULY 10TH								
				AT THE BAXTER SCHOOL FOR THE DEAF								
G	EPD 556	51	LEC	INST:SOC/EMOT GIFTED	COE	3.0		MTWTHF	BAIL	403	KAUFMAN F	7
				THIS COURSE IS GIVEN AUGUST 17TH-AUGUST 28TH								
G	EPD 563	51	LEC	VOC ED:TRANS PLANNING	COE	3.0		MTWTHF	A	A	SPRUIILL J	7
				THIS COURSE IS GIVEN JULY 6TH-JULY 10TH (8:30-3:30)								
				AND JULY 13TH-JULY 17TH (8:30-11:45)								

TOWN	COURSE	SEC	TYPE	COURSE TITLE	COL	CR HRS	TIME	DAYS	BLDG	ROOM	INSTRUCTOR	SESSION NO.
G	EPDI529	51	LEC	ECON EDUC FOR TEACHERS THIS COURSE IS GIVEN JUNE 22ND-JULY 3RD	COE	3.0	8:00- 3:00	MTWTHF	BAIL	104	MCKEIL R	7
G	EPDI530	51	LEC	STORYTELLING INSTITUTE THIS COURSE IS GIVEN JULY 20TH-JULY 24TH	COE	3.0	8:30- 3:30	MTWTHF	BAIL	208	GREENE E	7
G	EPDI532	01	LEC	TAFT INSTITUTE THIS COURSE IS GIVEN JULY 6TH-JULY 17TH CONTACT SUMMER SESSION OFFICE AT 780-4076	COE	3.0	9:00- 5:00	MTWTHF	A	A	FISHER I	7
G	EPDI538	51	LEC	TEACH FOR SOCIAL RESPON THIS COURSE IS GIVEN JULY 27TH-JULY 31ST AND FOLLOW-UP DAY	COE	3.0	8:30- 3:30	MTWTHF	BAIL	322	BERMAN S	7
P	EPDI541	51	LEC	EARLY CH:TCH WHOLE CHILD THIS COURSE IS GIVEN AUGUST 3RD-AUGUST 7TH	COE	3.0	8:30- 3:30	MTWTHF	LUTH	402	BENN J	7
G	EPDI561	01	LEC	TEACHING ABOUT THE USSR THIS COURSE IS GIVEN JULY 6TH-AUGUST 14TH CONTACT SUMMER SESSION OFFICE AT 780-4076 (TRAVEL COURSE)	COE	6.0		MTWTHF	A	A	BARNES/HOLDEN	7

#### READING

G	EDU 513	01	LEC	ADOLSCENT LITERATURE	COE	3.0	7:00- 9:40E	MM	BAIL	204	HUTTON N	1
G	EDU 514	01	LEC	TEACH READ CONTENT AREA	COE	3.0	8:15-11:30	MM	BAIL	404	MACARTHUR S	5
G	EDU 529	01	LEC	READING CLINIC	COE	6.0	8:00-12:00	MTWTHF	BAIL	206	ODONNELL M	5
G	EDU 620	01	LEC	FOUNDATIONS OF READING	COE	3.0	4:00- 6:40	MM	BAIL	403	MOOD M	1
G	EDU 620	02	LEC	FOUNDATIONS OF READING	COE	3.0	8:15-11:30	MM	BAIL	205	TBA	5
G	EDU 621	01	LEC	REMEDICATION	COE	3.0	8:15-11:30	MM	BAIL	101	AMOROSO H	5
G	EDU 621	02	LEC	REMEDICATION	COE	3.0	8:15-11:30	TTH	BAIL	101	AMOROSO H	5

#### DEPARTMENT OF PUBLIC POLICY & MANAGEMENT

P	PPM 601	01	LEC	QUANTITATIVE ANALYSIS	GRP	3.0	5:30- 8:00E	MTH	LUTH	509	TBA	1
P	PPM 640	01	LEC	SUMMER INTERNSHIP&REL SEM	GRP	3.0		A	A	A	TBA	7
P	PPM 695	01	LEC	INDEPENDENT STUDY	GRP	1-15.0		A	A	A	TBA	7

#### SCHOOL OF APPLIED SCIENCE

##### COMPUTER SCIENCE

P	COS 160	01	LEC	STRUCT PROB SOLVE-PASCAL	SAS	3.0	4:00- 6:40	TTH	PAYS	204	IRISH J	1
P	COS 161	01	LEC	ALGORITHMS IN PROGRAMMING	SAS	3.0	4:00- 6:40	MM	SCI	208	HEATH J	1

##### ENGINEERING

P	ELE 171	01	LEC	MICROCOMPUTER ARCH & APPL	SAS	4.0	4:00- 6:40 7:00- 9:00E	MM M	SCI	262 152	SMITH J	1
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##### TECHNOLOGY

G	IEP 699	01	LEC	INDEPENDENT STUDY	SAS	1-15.0		A	A	A	BERRY A	7
G	IEP 699	02	LEC	INDEPENDENT STUDY	SAS	1- 6.0		A	A	A	FAULKNER H	7
G	IEV 460	01	LEC	INDEPENDENT STUDY	SAS	1-15.0		A	A	A	BERRY A	7
G	IEVI310	51	LEC	METH&MAT INSTRUCT VOC EDU THIS COURSE IS GIVEN AUGUST 3RD-AUGUST 14TH CONTACT ARTHUR BERRY AT 780-5440	SAS	3.0	8:30- 4:00	MTWTHF	IEDC	A	BERRY A	7
X	ITP 310	99	LEC	PLANT LAYOUT&MATERIAL HAN THIS COURSE IS GIVEN AT PORTSMOUTH NAVAL SHIPYARD	SAS	3.0	4:30- 9:30	T	A	A	CARTER R	1
X	ITP 330	99	LEC	PRODUCTION CONTROL THIS COURSE IS GIVEN AT PORTSMOUTH NAVAL SHIPYARD	SAS	3.0	4:30- 9:30	T	A	A	ZANER J	4
G	ITP 370	01	LEC	JOB WORK ANALYSIS	SAS	3.0	7:00- 9:40E	TTH	IEDC	203	WRIGHT J	4
G	ITT 382	01	LEC	CAD/CAM TECHNOLOGY	SAS	3.0	4:30- 7:00	TTH	IEDC	202	ANDERSON A	1
G	ITTI440	01	LEC	RELATED OCCUPATION EXPR	SAS	1- 6.0		A	A	A	WRIGHT J	7
G	ITTI440	51	LEC	RELATED OCCUPATION EXPR	SAS	1- 6.0		A	A	A	FAULKNER H	7

#### SCHOOL OF BUSINESS, ECONOMICS, AND MANAGEMENT

##### ACCOUNTING

P	ACC 201	01	LEC	PRINC FINANCIAL ACCT	SBE	3.0	7:00- 9:40E	MM	LUTH	209	ROBINSON L	1
P	ACC 202	01	LEC	FINANCIAL&MGT ACCOUNTING	SBE	3.0	7:00- 9:40E	MM	LUTH	209	POTTS A	4
P	ACC 305	01	LEC	COST ACCOUNTING	SBE	3.0	4:00- 6:40	MM	LUTH	209	POTTS A	4

##### BUSINESS

P	BUS 280	01	LEC	BUSINESS LAW THIS COURSE IS GIVEN JULY 13TH-AUGUST 7TH	SBE	3.0	8:15-11:00	MTWTH	PAYS	42	NORWOOD J	7
P	BUS 280	02	LEC	BUSINESS LAW THIS COURSE IS GIVEN JULY 13TH-AUGUST 7TH	SBE	3.0	7:00- 9:40E	MTWTH	PAYS	42	NORWOOD J	7
P	BUS 320	01	LEC	BUSINESS FINANCE	SBE	3.0	8:15-11:30	MTW	LUTH	410	RICHARDSON L	2
P	BUS 327	01	LEC	INVESTMENT MANAGEMENT THIS COURSE IS GIVEN MAY 11TH-JUNE 5TH	SBE	3.0	7:00- 9:40E	MTWTH	PAYS	209	RICHARDSON L	7
P	BUS 340	01	LEC	PRINCIPLES OF MANAGEMENT	SBE	3.0	8:15-11:30	MTW	PAYS	202	TBA	2

TOWN	COURSE	SEC	TYPE	COURSE TITLE	COL	CR HRS	TIME	DAYS	BLDG	ROOM	INSTRUCTOR	SESSION NO.
P	BUS 360	01	LEC	MARKETING	SBE	3.0	8:15-11:30	TTH	PAYS	42	GRAPE G	7
THIS COURSE IS GIVEN MAY 19TH-JULY 2ND												
P	BUS 371	01	LEC	OPERATIONS RESEARCH	SBE	3.0	8:15-11:30	MMF	SCI	165	OKELLEY E	7
THIS COURSE IS GIVEN JULY 13TH-AUGUST 12TH												
P	BUS 395	01	LEC	COOP EDU-BUS ADMIN I	SBE	1- 5.0		A	LUTH	115	PALMER-WRIGHT M	7
P	BUS 396	01	LEC	COOP EDU-BUS ADMIN II	SBE	1- 5.0		A	LUTH	115	PALMER-WRIGHT M	7
P	BUS 397	01	LEC	COOP EDU-BUS ADMIN III	SBE	1- 5.0		A	LUTH	115	PALMER-WRIGHT M	7
P	BUS 450	01	LEC	BUSINESS MGT AND POLICY	SBE	3.0	8:15-11:30	MTW	PAYS	211	LYNCH J	2
P	BUS 490	01	LEC	INDEPENDENT READ&RESEARCH	SBE	1-15.0		A	LUTH	115	HOULIHAN J	7
P	MBA 640	01	LEC	MANAGEMENT THEORY	SBE	3.0		A	A	A	KRAFT R	7
THIS COURSE IS GIVEN MAY 15TH, JUNE 5TH, 19TH, (6:00-9:00) AND MAY 16TH, JUNE 6TH, 20TH, (9:00-6:00) AND MAY 17TH, JUNE 7TH, 21ST, (9:00-12:00)												
P	MBA 651	01	LEC	INDUST RELATIONS PERS MGT	SBE	3.0	6:30-10:00E	TWTH	PAYS	44	GROVER R	7
THIS COURSE IS GIVEN JUNE 6TH-JULY 2ND												
P	MBA 660	01	LEC	MANAGERIAL MARKETING	SBE	3.0	7:00-10:00E	TTH	PAYS	42	GRAPE G	7
THIS COURSE IS GIVEN MAY 19TH-JULY 2ND												
P	MBA 680	01	LEC	ORGANIZ STRAT AND PLANN	SBE	3.0	6:30-10:00E	TWTH	PAYS	44	KEYES B	7
THIS COURSE IS GIVEN JULY 7TH-JULY 30TH												
P	MBA 691	01	LEC	INDEPENDENT STUDY	SBE	1-15.0		A	LUTH	115	ANDREWS B	7
ASSOCIATE BUSINESS PROGRAM												
P	ABU 100	01	LEC	INTRO TO BUSINESS	SBE	3.0	4:00- 6:40	MM	PAYS	202	LAVASSEUR S	1
P	ABU 111	01	LEC	PRINC OF ACCOUNTING I	SBE	3.0	7:00- 9:40E	MM	LUTH	410	FRANCO C	1
P	ABU 112	01	LEC	PRINC OF ACCOUNTING II	SBE	3.0	7:00- 9:40E	MM	PAYS	209	FRANCO C	4
P	ABU 220	30	LEC	BUSINESS FINANCE I	SBE	3.0	7:00- 9:40E	TTH	PAYS	304	GOLD J	1
THIS IS AN ITV COURSE ORIGINATION SITE. SEE PAGE 3.												
G	ABU 220	31	LEC	BUSINESS FINANCE I	SBE	3.0	7:00- 9:40E	TTH	BAIL	304	GOLD J	1
THIS IS AN ITV COURSE RECEIVE SITE. SEE PAGE 3.												
P	ABU 240	01	LEC	PRINCIPLES OF MANAGEMENT	SBE	3.0	7:00- 9:40E	TTH	PAYS	207	LAVASSEUR S	1
P	ABU 285	01	LEC	ABA WORK INTERNSHIP	SBE	3.0		A	LUTH	115	WRIGHT M	7
ECONOMICS												
P	ECO 201J	01	LEC	PRINC OF ECONOMICS I	SBE	3.0	7:00- 9:40E	MM	LUTH	523	MCKEIL R	1
P	ECO 201J	02	LEC	PRINC OF ECONOMICS I	SBE	3.0	8:15-11:30	MTW	PAYS	209	MCKEIL R	2
P	ECO 202J	01	LEC	PRINC OF ECONOMICS II	SBE	3.0	7:00- 9:40E	MM	PAYS	205	NORTON R	4
P	ECO 202J	02	LEC	PRINC OF ECONOMICS II	SBE	3.0	8:15-11:30	MTW	LUTH	510	PHILLIPS M	3
P	ECO 299	01	LEC	U.S.S.R. ECON&SOCIAL SYST	SBE	3.0		A	A	A	DURGIN F	7
THIS IS A TRAVEL/STUDY COURSE TO USSR, MAY 11TH-JUNE 3RD THIS SECTION OPEN TO NON-ECON MAJORS-CONTACT 780-4306 (INCLUDES ONE WEEK OF CAMPUS STUDY)												
P	ECO 302	01	LEC	MICROECONOMIC ANALYSIS	SBE	3.0	4:00- 6:40	MM	PAYS	205	NORTON R	4
P	ECO 370	01	LEC	INTERNATIONAL TRADE	SBE	3.0	7:00- 9:40E	TTH	LUTH	410	PHILLIPS M	1
P	ECO 399	01	LEC	U.S.S.R. ECON&SOCIAL SYST	SBE	3.0		A	A	A	DURGIN F	7
THIS IS A TRAVEL/STUDY COURSE TO USSR, MAY 11TH-JUNE 3RD THIS SECTION OPEN TO ECON/BUS MAJORS--PREREQ ECO 201 AND 202 CONTACT 780-4306 (INCLUDES ONE WEEK OF CAMPUS STUDY)												
P	ECO 490	01	LEC	INDEPENDENT STUDY	SBE	1-15.0		A	LUTH	227	MCHAHON R	7
SCHOOL OF NURSING												
NURSING												
P	NUR 200	01	LEC	PREPROFESSIONAL NURSING	SON	3.0	4:00- 7:40	MM	PAYS	43	TBA	4
P	NUR 200	02	LEC	PREPROFESSIONAL NURSING	SON	3.0	4:00- 7:40	MM	PAYS	202	TBA	4
P	NUR 200	03	LEC	PREPROFESSIONAL NURSING	SON	3.0	6:00- 9:40E	MM	PAYS	211	TBA	4
P	NUR 302	01	LEC	PHARMACOLOGY	SON	3.0	4:00- 6:40	MM	PAYS	301A	BERGERON R	1
P	NUR 304	01	LEC	TRANSITION TO PROF ROLE	SON	5.0		A	A	A	STAFF	1
THIS COURSE IS FOR RN'S ONLY-CONTACT LIZ ELLIOT AT 780-4130												
P	NUR 309	01	LEC	HEALTH ASSESSMENT	SON	3.0		A	A	A	STAFF	1
THIS COURSE IS FOR RN'S ONLY-CONTACT LIZ ELLIOT AT 780-4130												
P	NUR 406	01	LEC	COMMUNITY HEALTH	SON	3.0	7:00- 9:40E	MM	PAYS	301A	FOURNIER M	1
P	NUR 603	01	LEC	NURSING THEORY	SON	3.0	4:00- 6:40	TTH	PAYS	301A	THOMPSON J	1
P	NUR 604	01	LEC	NURSING RESEARCH	SON	4.0	10:00-12:00	TTH	PAYS	301A	STERN C	7
THIS COURSE IS GIVEN JUNE 29TH-AUGUST 12TH												
P	NUR 605	01	LEC	LEADERSHIP AND CHANGE	SON	3.0	4:00- 6:40	MM	PAYS	208	TBA	5
P	NUR 606	01	LEC	HEALTH POLICY ANALYSIS	SON	3.0	4:00- 6:40	MM	PAYS	200	TBA	4
P	NUR 687	01	LEC	PROJECT SEMINAR	SON	1.0	12:30- 3:45	MTW	SCI	262	TBA	2
P	NUR 690	01	LEC	THESIS SEMINAR	SON	1.0	8:15-11:30	MTW	PAYS	200	TBA	2

#### RECREATION & LEISURE STUDIES

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REC 105 THROUGH REC 109 ARE ALL FEE COURSES PLEASE CONTACT THE LIFELINE OFFICE FOR DETAILS (780-4170)  
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P	REC 105	01	LAB	LIFELINE:WALK/JOG	SON	1.0	6:45- 7:30	MMF	GYMP	GYM	SULLIVAN J	7
P	REC 105	02	LAB	LIFELINE:WALK/JOG	SON	1.0	4:30- 5:15	MMF	GYMP	GYM	SULLIVAN J	7

TOWN	COURSE	SEC	TYPE	COURSE TITLE	COL	CR HRS	TIME	DAYS	BLDG	ROOM	INSTRUCTOR	SESSION NO.
P	REC 105	03	LAB	LIFELINE:WALK/JOG	SON	1.0	6:00- 6:45	MMF	GYMP	GYM	SULLIVAN J	7
P	REC 105	04	LAB	LIFELINE:WALK/JOG	SON	1.0	11:30-12:15	MMF	GYMP	GYM	SULLIVAN J	7
G	REC 105	05	LAB	LIFELINE:WALK/JOG	SON	1.0	6:00- 6:45	MMF	GYMG	GYM	SULLIVAN J	7
P	REC 107	01	LAB	LIFELINE:AEROBIC DANCE	SON	1.0	9:30-10:30	MMF	GYMP	GYM	SULLIVAN J	7
P	REC 108	01	LAB	LIFELINE:AQUATICS	SON	1.0	6:00- 6:45	MMF	A	A	SULLIVAN J	7
THIS COURSE IS OFFERED AT THE RIVERTON POOL												
P	REC 108	02	LAB	LIFELINE:AQUATICS	SON	1.0	6:45- 7:30	MMF	A	A	SULLIVAN J	7
THIS COURSE IS OFFERED AT THE RIVERTON POOL												
P	REC 109	01	LAB	LIFELINE:WEIGHT TRAINING	SON	1.0		A	GYMP	GYM	SULLIVAN J	7
P	REC 199	01	LEC	BASIC SAILING&SEAMANSHIP	SON	2.0		A	A	A	POWER/WHEELER	7
THIS COURSE IS GIVEN JUNE 15TH-19TH												
P	REC 199	02	LEC	BASIC SAILING&SEAMANSHIP	SON	2.0		A	A	A	POWER/WHEELER	7
CONTACT SUMMER SESSION OFFICE AT 780-4076												
THIS COURSE IS GIVEN JUNE 22ND-JUNE 26TH												
P	REC 199	03	LEC	BASIC SAILING&SEAMANSHIP	SON	2.0		A	A	A	POWER/WHEELER	7
CONTACT SUMMER SESSION OFFICE AT 780-4076												
THIS COURSE IS GIVEN JUNE 29TH-JULY 3RD												
P	REC 199	04	LEC	BASIC SAILING&SEAMANSHIP	SON	2.0		A	A	A	POWER/WHEELER	7
CONTACT SUMMER SESSION OFFICE AT 780-4076												
THIS COURSE IS GIVEN JULY 6TH-JULY 10TH												
P	REC 199	05	LEC	BASIC SAILING&SEAMANSHIP	SON	2.0		A	A	A	POWER/WHEELER	7
CONTACT SUMMER SESSION OFFICE AT 780-4076												
THIS COURSE IS GIVEN JULY 20TH-JULY 24TH												
P	REC 199	06	LEC	BASIC SAILING&SEAMANSHIP	SON	2.0		A	A	A	POWER/WHEELER	7
CONTACT SUMMER SESSION OFFICE AT 780-4076												
THIS COURSE IS GIVEN AUGUST 3RD-AUGUST 7TH												
P	REC 199	07	LEC	BASIC SAILING&SEAMANSHIP	SON	2.0		A	A	A	POWER/WHEELER	7
CONTACT SUMMER SESSION OFFICE AT 780-4076												
THIS COURSE IS GIVEN AUGUST 10TH-AUGUST 14TH												
P	REC 199	08	LEC	BASIC SAILING&SEAMANSHIP	SON	2.0		A	A	A	POWER/WHEELER	7
CONTACT SUMMER SESSION OFFICE AT 780-4076												
THIS COURSE IS GIVEN AUGUST 17TH-AUGUST 21ST												
P	REC 199	09	LEC	BASIC SAILING&SEAMANSHIP	SON	2.0		A	A	A	POWER/WHEELER	7
CONTACT SUMMER SESSION OFFICE AT 780-4076												
THIS COURSE IS GIVEN AUGUST 24TH-AUGUST 28TH												
P	REC 216	01	LEC	ADV FIRST AID&EMERG CARE	SON	3.0	4:00- 6:40	TTH	GYMP	216A	JORDAN L	1
P	REC 219	01	LEC	PERSONAL FITNESS	SON	3.0	7:00- 9:40E	MM	GYMP	216A	FOLSOM R	1
P	REC 219	02	LEC	PERSONAL FITNESS	SON	3.0	7:00- 9:40E	TTH	GYMP	216A	DOWNING T	4
P	REC 295	01	LEC	INTERNSHIP	SON	9.0		MTWTHF	A	A	STAFF	7
THERAPEUTIC RECREATION MAJORS ONLY												
P	REC 299	01	LEC	ADVANCED SAILING	SON	2.0		A	A	A	POWER/WHEELER	7
CONTACT SUMMER SESSION OFFICE AT 780-4076												
P	REC 495	01	LEC	INTERNSHIP	SON	9.0		MTWTHF	A	A	STAFF	7
THERAPEUTIC RECREATION MAJORS ONLY												

#### DIVISION OF BASIC STUDIES & OFF-CAMPUS CENTERS

P	ENG 009A	01	LEC	DEVELOPMENTAL ENGLISH	DBS	3.0	7:00- 9:40E	TTH	PAYS 206	TBA		4
P	ENG 009A	02	LEC	DEVELOPMENTAL ENGLISH	DBS	3.0	7:00- 9:40E	TTH	PAYS 206	TBA		1
P	ENG 019	01	LEC	WRITTEN BUSINESS COMM	DBS	3.0	7:00- 9:40E	MM	PAYS 206	LEMELIN R		1
P	MAT 009	01	LEC	DEVELOPMENTAL MATHEMATICS	DBS	3.0	7:00- 9:40E	MM	PAYS 208	TBA		4

#### SACO CENTER

TA	ABU 111	91	LEC	PRINC OF ACCOUNTING I	DBS	3.0	7:00- 9:40E	TTH	A	A	TBA	4
TA	ABU 220	33	LEC	BUSINESS FINANCE I	DBS	3.0	7:00- 9:40E	TTH	A	A	GOLD J	1
THIS IS AN ITV COURSE RECEIVE SITE. SEE PAGE 3.												
TA	ART 151F	91	LEC	FUND DRAWING I	DBS	3.0	8:30- 4:00	MTW	A	A	TBA	6
TA	POS 120	33	LEC	GOV'T & POLITICS OF MAINE	DBS	3.0	4:00- 6:40	TTH	A	A	COOGAN M	1
THIS IS AN ITV COURSE RECEIVE SITE. SEE PAGE 3.												
TA	SOC 100J	33	LEC	INTRO TO SOCIOLOGY	DBS	3.0	7:00- 9:40E	MM	A	A	GIGUERE M	1
THIS IS AN ITV COURSE RECEIVE SITE. SEE PAGE 3.												

#### SANFORD CENTER

S	ABU 220	32	LEC	BUSINESS FINANCE I	DBS	3.0	7:00- 9:40E	TTH	A	A	GOLD J	1
THIS IS AN ITV COURSE RECEIVE SITE. SEE PAGE 3.												
S	ENG 100C	92	LEC	COLLEGE WRITING	DBS	3.0	7:00- 9:40E	TTH	A	A	TBA	4
S	MAT 010	92	LEC	ELEMENTARY ALGEBRA	DBS	3.0	4:00- 6:40	TTH	A	A	TBA	4
S	POS 120	32	LEC	GOV'T & POLITICS OF MAINE	DBS	3.0	4:00- 6:40	TTH	A	A	COOGAN M	1
THIS IS AN ITV COURSE RECEIVE SITE. SEE PAGE 3.												
S	SOC 100J	32	LEC	INTRO TO SOCIOLOGY	DBS	3.0	7:00- 9:40E	MM	A	A	GIGUERE M	1
THIS IS AN ITV COURSE RECEIVE SITE. SEE PAGE 3.												

# Course Descriptions

## College of Arts and Sciences

### Art

#### AED 412 Art Education Curriculum

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

#### ARH 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. 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. Cr 3.

#### ART 101 Approaches 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 perception of visual form. Cr 3.

#### ART 141 Fundamental Design I

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

#### ART 151 Fundamental Drawing I

A studio introduction to drawing, including the basic elements of line, tone, design, and representation. 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. Students planning to pursue a degree in art must take the Art Core prior to registering for this course. Cr 3.

#### ART 259 Landscape Drawing

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

#### ART 269 Landscape Painting

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

#### ART 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 299 2-D, 3-D Figure Study

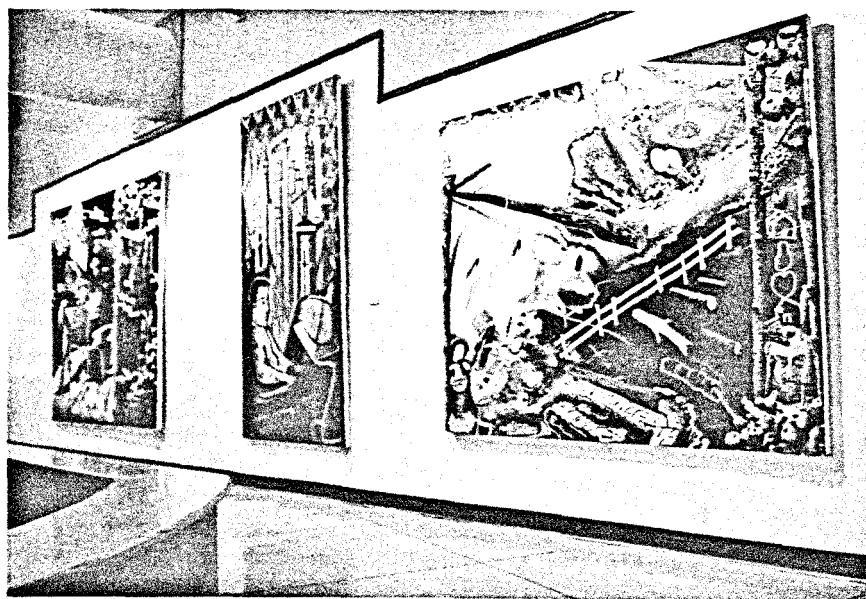
A studio course of figure study including drawing, modelling, readings in artistic anatomy; supplemented by historical study of figurative art. Students planning to pursue a degree in art must take the Art Core prior to registering for this course. Cr 3.

#### ART 363 Painting/Watercolor

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

#### ART 412 Visiting Artists Workshop

This course is taught by Rose Marasco, assistant professor of art at USM and two invited visiting artists - Joyce Abrams and Elisa Decker, both New York City based artists. Students will elect to concentrate with one instructor while interacting with the entire group for discussions, critiques, and field trips. Areas of concentration include (but are not limited to): charcoal/pastel/collage; colored pencils/wash or paper; or photography/media. Prerequisites: art core courses and for Photography section, darkroom proficiency. May be taken for teacher recertification credits (4.5) Cr 3.



## **Biology**

### **BIO 105 Elements of Biology**

An introduction to the structure and function of living systems from the cell to the ecological communities. This course is a prerequisite to all higher numbered courses offered in the Department of Biological Sciences. Cr 3.

### **BIO 281 Microbiology and Human Disease**

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

### **BIO 282 Microbiology and Human Disease Laboratory**

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

### **BIO 291 Ornithology**

The basic biology of birds: life histories, migration, behavior, and economic importance, with emphasis on species found in Eastern North America. (Students supply their own binoculars or spotting scopes.) Prerequisite: grade of C or higher in BIO 101. Cr 3.

### **BIO 345 Pathophysiology**

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

### **BIO 441 Problems in Biology**

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

## **Arts and Sciences**

### **ARS 199 Introduction to World Religions**

The focus of this course will be introduced students to patterns of religious thought. Philosophical perspectives of the major world religions will be explored. No prerequisite Cr 3.

## **Chemistry**

### **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 chemical processes. Three hours lecture per week (usually concurrent with CHY 102). Prerequisite: high school algebra and one year of high school chemistry (taken during the past five years) or a satisfactory grade level on the proficiency test administered by the Department. Not appropriate for science majors, pre-med, pre-vet or pre-dentistry. Cr 3.

### **CHY 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 1.

### **CHY 103 Introduction to Organic and Biochemistry**

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

### **CHY 104 Introductory Organic and Biochemistry Laboratory**

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

### **CHY 113 Principles of Chemistry I**

A presentation of fundamental principles of chemical science. These principles will be presented in quantitative terms and illustrated by examples of their applications in laboratories and in ordinary non-laboratory experience. This course and CHY 114 (normally taken concurrently) provide the basis for further study of chemistry. Prerequisite: high school algebra and one year of high school chemistry (taken during the past five years) or a satisfactory grade level on the proficiency test administered by the Department. Three lectures per week. Fall. Cr 3.

### **CHY 114 Laboratory Techniques I**

Laboratory experiments to illustrate the principles which are presented in CHY 113 lectures. One recitation and two laboratory hours per week. Corequisite: CHY 113. Fall. Cr 1.

### **CHY 411-415 Special Topics**

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

### **CHY 490 Senior Research Project**

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



## **Communication**

### **COM 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 340 Small Group Communication**

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

### **COM 430 Communication Internship**

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

### **COM 485 Sex-Related Differences in Communication**

This seminar on sex-related differences in communication is designed primarily to evaluate critically the research

literature. It is concerned with whether or not males and females differ in their actions of sending, receiving, and interpreting messages. The course examines gender-role stereotyping, empirical findings on sex-related differences in communication behavior (e.g., talking, interpersonal style, touching, eye contact, etc.), and explanations for sex differences. Critiques of some major theoretical positions are discussed (e.g., sex differences in dominance, aggression, cognition, and brain organization). Prerequisite: junior and senior standing Cr 3.

## **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.

## **Criminology**

### **CRM 215 Criminology**

This course focuses on the difficult question, "what is crime?" and on problems concerning the measurement and distribution of crime. The criminology course examines some of the popular misconceptions and myths about crime, the creation and utility of official and unofficial crime statistics, popular presumptions about the causes of crime, and the institutional responses to crime in our society. The course is also listed as SOC 215. This course is one of the two basic courses in the Criminology program, along with Law and Society (SOC 336). Prerequisite: SOC 100 or permission of instructor. Cr 3.

### **CRM 399**

See Summer Study section of this catalog.

## **English**

### **ENG 009 Developmental English**

This course is designed to help students who need to develop proficiency to enter ENG 100. College Writing. ENG 009 is taken on a pass/fail basis. Credit earned in ENG 009 does not apply or accumulate for any degree program at the University of Southern Maine Cr 3.

### **ENG 019 Written Business Communication**

Training in the writing of effective business reports, letters, and related material. Cr 3.

### **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. 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. Prerequisite: ENG 100 or 101 or waiver. Cr 3.

### **ENG 161 Fiction: The Genre**

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. Cr 3.

### **ENG 201 Creative Writing**

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

### **ENG 210 News Writing**

This course includes news and feature writing with intensive practice in journalistic-writing techniques, accuracy, judgment, and style. Prerequisite: ENG 100/101. Cr 3.

### **ENG 260 Shakespeare**

This course will include a section on the major history plays (*Richard II* and *Henry IV*). Beyond that the course will include the following major plays: *Romeo and Juliet*, *Midsummer Night's Dream*, *Othello*, *King Lear*. 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. Cr 3.

### **ENG 302 Fiction Workshop**

An advanced course requiring the completion of short stories or a substantial part of a novel. This course is part of the Stonecoast Writers' Conference. 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. This course is part of the Stonecoast Writers' Conference. Cr 3.

### **ENG 304 Writing the First 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. This course is part of the Stonecoast Writers' Conference. Cr 3.

### **ENG 382 The Earlier American Novel**

An historical survey of the American novel from Charles Brockton Brown to Henry James. Cr 3.

### **ENG 389 Writers of Maine**

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

### **ENG 392 20th Century British Novels**

This course will trace the evolution of the British novel in the 20th century from the "Impressionists," Ford Madox Ford, Joseph Conrad, and Jean Rhys, to such "modernists" as Virginia Woolf and Samuel Beckett, to such contemporary writers as Salman Rushdie and Margaret Drabble. Grade will be based on short personal essays on each novel, a midterm, and final examination. 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 464 Twentieth Century French Literature**

The purpose of the course will be to explore the current trends in French literature through the works of contemporary novels. Readings will be not only from the works of known contemporary novelists but also from the works of younger novelists whose works at the present are not widely read outside of France. Such novelists as Marguerite Duras, Annie Ernaux, J.M.J. LeClezio, Michel Tournier, Yann Queffelec and Marguerite Yourcenar will be studied. Cr 3.

### **GER 107 Intensive Beginning German**

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

### **SPA 199 Intensive Beginning Spanish**

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

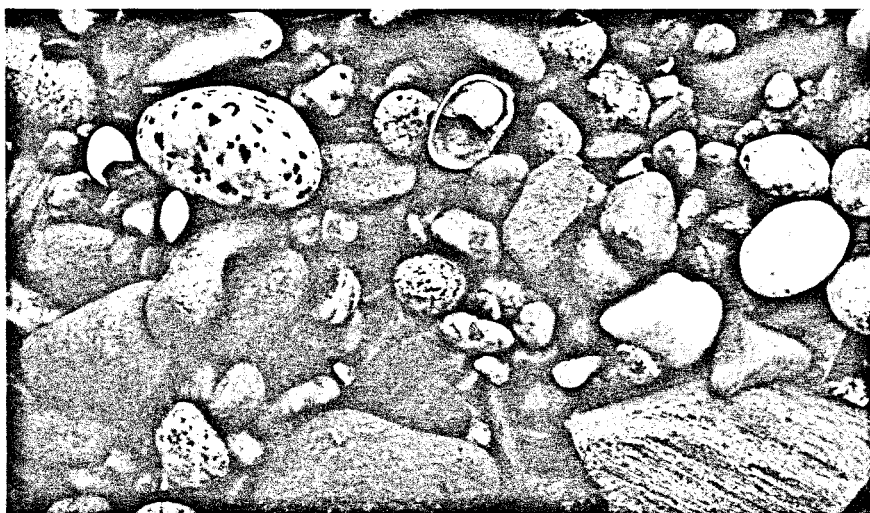
### **Geography and Anthropology**

#### **GEO 120 Geography of Maine**

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

#### **GEO 206 Field Camp in Geography (also Farmington GEO 206)**

This system-wide offering brings students and teachers of several campuses together to participate in a geographic field experience of regional focus. A University of Maine system host campus is selected on a rotating basis and an appropriate theme developed to integrate the field studies in time and space. Various methods of geographic field analysis, mapping and site interpretation are employed. Recommended for all majors concentrating in geography. No prerequisite. Cr 3.



### **GYA 300 Archaeology Field School**

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

### **Geosciences**

#### **GEY 111 Physical Geology**

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

#### **GEY 350 Geological Field Methods**

A course in geological field methods intended to introduce to the student the tools and practical techniques used in collecting, compiling, and analyzing geological data. Students will have assignments in the igneous/metamorphic and surficial terrain of southern coastal Maine and sedimentary and volcanic terrain in eastern coastal Maine. Summer. Five weeks. Prerequisites: GEY 111, 112 and GEY 113, 114. GEY 203, GEY 301. Recommended: GEY 302, GEY 303, GEY 202. Cr 6.

#### **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. Cr 3.

#### **OCE 101 Oceanography Laboratory**

A laboratory course in which the student is introduced to some of the techniques and technical processes involved in oceanic measurements and data reduction. Prerequisite: OCE 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 na-

tionalism, 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 to 1877**

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

#### **HTY 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 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 307 Civil War and Reconstruction**

An examination of the period 1850-1877, dealing with the background and causation of the war; Lincoln and the secession crisis; the military, political, diplomatic, and economic aspects of the Civil War; and the challenges and ultimate failure of reconstruction after 1865. Prerequisite: HTY 131 or permission. Cr 3.

#### **HTY 321 History of Maine**

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

#### **HTY 325 History of the American Frontier**

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

#### **HTY 348 A History of Religion in America**

A history of religion in American society from the colonial era to the present examining theology, organization, leaders, critics and the religious contributions to the American heritage. Prerequisites: HTY 131 and 132 or permission. Cr 3.

### **HTY 498 Independent Study in History**

To provide juniors and seniors who have demonstrated critical and analytical capability an opportunity to pursue a project independently, charting a course and exploring an area of interest within their major field, bearing upon it previous course experiences, and emerging with an intellectually sound, coherent synthesis reflecting a high caliber of performance. Prerequisite: permission.

Cr 1-3.

### **HTY 534 Maine History and Travel**

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

## **Mathematics**

### **MAC 100**

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.

### **MAC 234 Computer Programming for Elementary Teachers**

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

### **MAC 528 Computer Programming I**

Programming techniques employing BASIC and FORTRAN languages. Applications will be primarily from elementary school mathematics topics and statistics. Cr 3.

### **MAT 009 Developmental Mathematics**

A review of fundamental topics of arithmetic needed prior to a study of algebra. Topics include properties of whole numbers, place value, perimeter, area, volume, average, percent, graphs, proportion, exponents, solving word problems and equations. Credit earned in MAT 009 does not apply or accumulate toward any degree program at the University of Southern Maine. 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 Mathematics**

This course is designed to give students (not majoring in mathematics or computer science) an understanding of some key ideas in contemporary mathematics. The material is chosen to develop an awareness of the utility of mathematics in life and to instill an appreciation of the scope and nature of mathematics. Topics will be selected from: sets, logic, graphs, geometry, counting methods, probability, statistics, game theory, growth and decay laws, matrices, and mathematical programming. Prerequisite: 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 140 Pre-Calculus Mathematics**

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

### **MAT 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 252 Calculus C**

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

### **MAT 502 Number Systems**

An intuitive approach to the number systems with the aid of manipulative materials. Topics included: sets and relations and reals; numeration systems; elementary number theory; and related topics. Cr 3.

### **MAT 549 Selected Topics in Mathematics**

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

## **Military Science**

### **MIS 229 ROTC Basic Camp**

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

## **Music**

### **MUE 521 New England General Music Workshop**

A workshop for elementary and middle school general music specialists in which clinicians demonstrate the coordination of musical activities and conceptual lesson planning. Large group sessions will provide an overview of varied classroom approaches. Small group sessions will provide opportunities to study in depth such topics as recorder, computers, special education, and the child voice. Cr 3.

### **MUE 599 Choral Artistry: Rehearsal and Performance**

Techniques for effective choral rehearsals and performances. The course will examine methodologies of score study and rehearsal preparation, rehearsal procedures designed to implement the teaching plan, and communication to the chorus from the podium. Class members will have the opportunity to conduct other class members in a rehearsal situation. Literature for the high school chorus will be explored. Cr 3.

### **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 406 Chamber Music**

A performance course open to all qualified semble performance dealing with a variety of literature. The University Concert Band performs at least one major concert per semester and is active in presenting school assembly programs. Cr 1-15

## **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: In Defense of Conscience**

How does one develop the strongest rational arguments in defense of a political, ethical or idealistic position? What sorts of data are relevant? How does one construct a logically consistent argument? Beginning with an inquiry into the question of God's existence, the course probes the answers to the above questions through ancient, modern and contemporary thinkers. Principles and methodologies are developed to be able to apply philosophical criteria to historical and contemporary questions of an unpopular or unorthodox nature, such as universal vegetarianism and animal rights, ethical egoism, and problems of medical ethics like abortion and the right to addiction. Cr 3.

### **PHI 398 Independent Study**

Independent study undertaken under the mentorship of a professor in the department. Prerequisite: a minimum of two (2) 300-level philosophy courses plus written permission of the instructor involved. Cr 3.

## **Physics**

### **PHY 111 Elements of Physics I**

An introduction to the fundamental concepts of mechanics, sound and heat. Lectures, problem solving, demonstrations, laboratory exercises and visual aids will be used to develop an understanding of physical phenomena. Prerequisites: high school algebra. Lecture three hours, lab two hours, recitation one hour. Cr 4.5.

### **PHY 112 Elements of Physics II**

A continuation of Physics I considering the topics: optics, electricity and modern physics. Lecture three hours, lab two hours, recitation one hour. Cr 4.5

## **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.

## **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, physiological foundations of behavior, sensation and perception, motivation and emotion, learning and thinking. This course is a prerequisite for all courses in the department. Cr 3.

### **PSY 102 General Psychology II**

A continuation of Psychology 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 201 Statistics in Psychology**

A general introduction to the techniques of descriptive, predictive, and inferential statistics. Emphasis is placed on measures of central tendency and variability, correlation, hypothesis testing, and simple analysis of variance. Prerequisites: PSY 101 and MAT 100 or permission of the instructor. Cr 3.

**PSY 232 Psychology of Adjustment**

A study of the development of personality patterns, modes of behavior, life styles, and coping mechanisms considered normal in this society. Consideration of their value to individual functioning. Prerequisites: PSY 101 and 102. NOTE: This course does not count toward major credit. 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 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 400 01 Sports Psychology Institute**

See Special Programs section of this catalog.

**PSY 400 02 Childhood Psychopathology**

See Special Programs section of this catalog.

**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. Prerequisite: SOC 100 or permission of instructor. Cr 3.

**SOC 215 Criminology**

This course focuses on the difficult question "What is crime?" and on problems concerning the measurement and distribution of crime. The criminology course examines some of the popular misconceptions and myths about crime, the creation and utility of official and unofficial crime statistics, popular presumptions about the causes of crime, and the institutional responses to crime in our society. This course is also listed as CRM 215. This course is one of the two basis courses in the Criminology Program, along with Law and Society (SOC 336). Prerequisite: SOC 100 or permission of instructor. Cr 3.

**Social Work****SWE 101 Introduction to Social Welfare**

Seeks to define a perspective within which to understand the needs, problems, and potential of humans as individuals and in groups. Describes and analyzes social welfare systems and social work practices as they currently respond to social needs, and as they might better facilitate the development of human potential. Cr 3.

**SWE 102 Introduction to Social Work**

An introduction to the practice of social work focusing on the nature of intervention, the roles and functions of social workers in the delivery of services in various settings and beginning practice skills. The course enables a student to make a more informed decision about his/her entry into the field. Field observation by student required. Cr 3.

**SWE 397 Department Projects**

Individual or group projects, requiring independent study or field work in some aspect of social welfare, to be selected by students in consultation with faculty. Prerequisite: Department Permission. Cr 3.

**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. Cr 3.

**THE 121 Acting II—Fundamentals of Acting: Scene Work**

This is a practical course designed to introduce the student to basic skills of acting through stage movement, projection, characterization and scene work. Emphasis made on internal preparation by developing a role and on external techniques for projecting that role. Cr 3.

**THE 135 Stagecraft I**

A lecture/discussion/lab course in technical theatre and related topics relevant to technical direction. Specific areas of emphasis will include: theatre/stage terminology and organization; scene shop practices and use of shop tools; basic methods of construction, rigging, and moving scenery for the stage. The lecture portion of the course will be supplemented by actual construction, painting and mounting of a major University theatre production (concurrent enrollment in THE 136 Stagecraft Lab required.) Cr 3.

**THE 136 Stagecraft Lab**

A lab course allowing practical application of theory discussed in THE 135. (concurrent enrollment in THE 135 required.) Cr 1.

**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 222 Contemporary Dance II**

Contemporary Dance II is for a more experienced dance student. Expertise in executing basic dance skills (proper alignment, parallel and turned out positions, slides, triplets) and knowledge of dance vocabulary are assumed. Through practicing more complicated movement exercises and dance patterns students will increase their technical dance skills and understanding of kineseology. Entire dances or portions of contemporary choreography will be taught in this class. Choreographic work will consist of movement character development using the effort-shape system of movement analysis. This study of movement qualities will be taken from Cecily Dell's work in *A Primer for Movement Description*. Students will be expected to attend several dance performances during the semester. Prerequisite: THE 122 or permission of instructor. Cr 3.

### **THE 240 Costuming I**

The course will consist of an introduction to costuming; including basic design, basic construction and an introduction to the materials used in millinery, wig-making and special costume problems (armor, footwear, etc.). The major emphasis will focus on design and construction. Additional hours of production work will be required providing a practical application of classroom theory. (concurrent enrollment in THE 136 is required.) 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 an understanding and responsiveness to literature and to develop the ability to convey to others, through oral reading, an appreciation of that literature. Cr 3.

### **Women's Studies**

#### **WST 130 Introduction to Women's Studies**

This course introduces students to the study of women as a diverse social group with a history, culture, and experience of its own. The course, which is interdisciplinary, focuses primarily on women in the United States. Readings range from fiction and poetry to articles in fields such as history and sociology. Particular emphasis is placed on issues of class and race as they affect women. Topics

covered include feminism, work, family, religion, politics and power, sexuality, reproductivity, pornography, art, language, media, and culture. 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 Learning**

An interdisciplinary approach to the study of the learning process. Explores origins and domains of learning theories. Analyzes how major theories view the learning process. Applies theoretical content to motivation, concept development, classroom management, methodology and evaluation. Prerequisites: EDU 100 and HRD 333 (or concurrent). Cr 3.

#### **EDU 305 Teaching Elementary School Mathematics**

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

#### **EDU 308 Science for Children**

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

#### **EDU 312 Teaching Language Arts in Elementary School**

Recent methods and materials basic to the teaching of communications skills. Topics include spelling, handwriting, listening,

creative expression, oral and written reporting. Use of tapes, records, filmstrips, and contemporary language art books for the elementary school

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 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.

#### **HRD 299 Adult Learning and Development**

As Lifelong learners, adults must integrate many roles and responsibilities and address change and transitions throughout life. This course seeks to incorporate theory and practice in adult learning and development with a focus on the individual, and his or her understanding of self within the stages of adulthood.

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.

#### **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—The Outward Bound Experience—Hurricane Island Outward Bound School (Summer)**

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 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. Fee course. 10-day program. Cr 3.

**PHE 343 Experiential Education—The Outward Bound Experience—Hurricane Island Outward Bound School (Summer)**

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 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. Fee course. 26-day program. Cr 6.

**PHE 353 Teacher Training—Experiential Education—Hurricane Island Outward Bound School**

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. Fee course. 28-day program. Cr 6.

## **Graduate Education**

### **Resource Courses**

**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 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 699 Assessment of Reading**

The course addresses the issues of evaluation from the perspective of the reading-oriented educator and practitioner, including the basic concepts of measurement that must be mastered in understanding the language and science of evaluation. An additional goal is to explore issues and problems of particular concern to be reading specialists, including evaluation of the reading curriculum, appropriate and inappropriate use of testing instruments, test validity, program validity, test reporting, competency testing and other issues of concern to the field of reading. Cr 3.

### **Human Resource**

**HRD 502 The Family: Implications for Educators**

This course is designed to review selected topics in the area of family life that are relevant to educators. The course will provide a multidisciplinary overview of major theories of family behavior, precursors to marital and family life, and the variability of family life across the life span. Consideration will be given to such issues as parenting styles, sibling relationships, effects of divorce, single-parent families, blended families, family violence, and substance abuse, abuse, and dependence within the family. 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 607 Introduction to School Guidance Services**

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

**HRD 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.



This course examines the administrative and leadership skills necessary for the development and management of units such as adult education centers, continuing education offices, and training and staff development departments in profit and nonprofit organizations. Particular attention is given to the development of mission statements, the use of advisory boards, community needs assessment approaches, developing goals and objectives, program development, personnel management, and the development of a management style. Cr 3.

**See Institutes for Educators section of  
this catalog**

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.

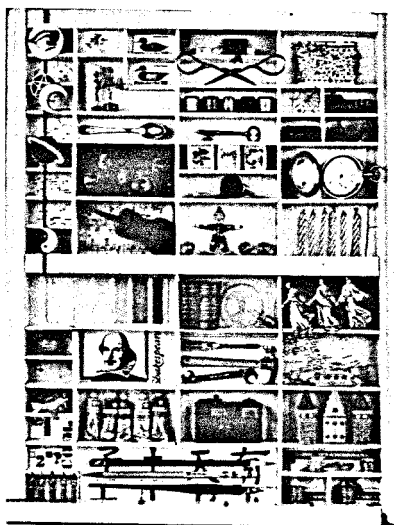
Cr 3.

This course involves the practical application of job selection, analysis, modification, and development for the counselor of handicapped persons. The role, function and technique of the rehabilitation counselor in job placement of severely disabled persons will be examined. Employer and/or industry site visits may be arranged. Cr 3.

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.

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 1-6.

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 1-6.



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.

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.

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.

This seminar will afford students and practicing vocational rehabilitation counselors an opportunity for intensive study of crisis intervention and the separate, but related, issues of family/couple modifiers of the rehabilitation process. Focus is on skills for intervention and the evaluation of impact on assessment, planning, counseling, and closure of cases. Cr 3.

This course is designed to provide participants with an understanding of handicapped children and their families. Emphasis will be placed on building a rationale for work with parents and children. Counseling and educational strategies will be introduced, discussed, and practiced. Cr 3.

The purpose of this course is to provide a model and specific skills for managing organizations and people organically, rather than mechanistically. The emphasis will be on understanding the organic nature of organizations, the nature and process of change, how people as individuals and as groups process information, solve problems, and communicate.

## ***Educational Administration***

### **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 672 Political Bases of Decision Making**

Educational leaders must be influential beyond the school system as well as within it. Distribution of power and influence across interrelated social systems is seldom equal leading to competition for bases of influence. This course examines the ramifications of this social circumstance for education with emphasis on administrative decision making. 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 680 Staff Development**

Designed for students nearing completion of the educational administration program. Concepts from previous courses are integrated into a model for planning and action at the school building level. Organizational development functions of diagnosing, designing, developing, implementing, evaluating, organizing, and managing are integrated into an operational staff development program. Cr 3.

### **EDU 683 School Finance**

This course will trace the historical background and development of the present Maine School Finance Act. A detailed examination of the intent and the underlying concepts and relationships of the Act will be provided. The process by which state subsidy is computed, allocated and distributed to local school systems will be examined. Local budget and expenditure practices will be review-

ed in relations to the Act. Emphasis will be placed on helping the student develop a clear conceptual understanding of the overall system by which state aid is provided to Maine school systems. The course has much practical value for school administrators, school board members and teachers. Cr 3.

## ***Exceptionality***

### **EXE 601 Educational Programming for Exceptional Children**

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

### **EXE 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 642 Oral/Aural Development and Instruction**

This course will cover the basic methods of and models for developing speech and auditory skills in hearing impaired students. Information concerning the sequence of phonological development in hearing as well as hearing impaired individuals will be covered. Interpretation of assessment data including both articulation-based and process phonology models will be presented especially as related to development of individualized speech and auditory goals. Integration of speech training in classroom contexts will be emphasized. Cr 3.

### **EXE 648 Curriculum for the Hearing Impaired**

This course is designed to prepare teachers of the hearing impaired to develop, design, adapt, and implement developmental curriculum approaches and materials in classrooms for the hear-

ing impaired. The course will cover the relationship of cognitive and conceptual development to curriculum procedures and choice of materials. Selection and adaptation of materials (especially in content areas) will be covered as well as adaptation for mainstreamed students. Techniques for integrating language and speech instruction in curriculum areas will also be covered. Cr 3.

### **EXE 682 Special Education Law; Conflict and Resolution**

Laws relating to the education of exceptional students and recent judicial decisions will be discussed. Methods of conflict resolution, including mediation, will be presented. Cr 3.

### **EXE 684 Practicum—Administration**

See Institutes for Educators section of this catalog

### **EXE 687 Technology in Special Education and Rehabilitation**

See Institutes for Educators section of this catalog

## ***Instructional Leadership***

### **EDU 603 Analysis of Teaching**

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

### **EDU 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.

### **EPD 503 Arts Education Institute**

See Institutes for Educators section of this catalog

### **EPDI 529 Economic Education for Teachers**

See Institutes for Educators section of this catalog

#### **EPDI 560 Law and Constitution**

See Institutes for Educators section of this catalog

#### **EPDI 561-51 Teaching About Russia and the Soviet Union**

See Institutes for Educators section of this catalog

#### **EPDI 501 International Seminar in Educational Leadership**

See Institutes for Educators section of this catalog

#### **EPD 537 Gifted Education: Institute For Program Planners**

See Institutes for Educators section of this catalog

#### **EPD 540 Curriculum For The Hearing Impaired**

See Institutes for Educators section of this catalog

#### **EPD 556 Social/Emotional Needs of Gifted**

See Institutes for Educators section of this catalog

#### **EPD 563 Transitional Planning: Vocational Education**

See Institutes for Educators section of this catalog

#### **EPDI 530 Storytelling**

See Institutes for Educators section of this catalog

#### **EPDI 532 Taft Institute**

See Institutes for Educators section of this catalog

#### **EPDI 538 Teaching for Social Responsibility**

See Institutes for Educators section of this catalog

#### **EPDI 541 Early Childhood Institute: Teaching the Whole Child**

See Institutes for Educators section of this catalog

### **Reading**

#### **EDU 513 Adolescent Literature**

This course is designed for the middle or secondary teacher who wishes to develop a deeper understanding of literature for adolescents and who needs to learn how to help young people read widely. Attention will be given to dynamics of adolescence, individualizing reading, standards of selection, and creative methods of introducing books. Students are expected to read approximately 30 books from primary sources as well as textbook material. 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 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 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 621 Reading Remediation**

Diagnostic and instructional techniques are related to learners of all ages. Case studies are used to explicate and match the stages of reading progress to developmental, corrective, and remedial situations. A functional knowledge of working with disabled readers in a classroom setting is emphasized. Issues and research, clinical observations and methods which can be used to cope with individual problems are stressed. Prerequisite: EDU 620. 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 Principles of 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 305 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, and junior standing. Cr 3.

### **Undergraduate Business**

#### **BUS 280 Business Law**

This course, an introduction to the study of business law, includes a thorough survey of the preparation for and conduct of a civil lawsuit, a brief discussion of criminal law, and a broad overview of contracts, agency, negotiable instruments, partnerships, corporations, secured transactions, labor law, and bankruptcy. This course is intended to provide a broad overview of business law and the Uniform Commercial Code. Cr 3.

#### **BUS 320 Business Finance**

This course introduces the student to the theories and techniques of managing capital sources and uses within the framework of shareholder wealth maximization. Lecture, problems, cases. Prerequisites: ECO 201, ECO202, ACC 201, ACC 202 or ACC 301, MAT 110, MAT 211, MAT 212, and junior standing. Cr 3.

**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, and junior standing. 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, and junior standing. 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, and junior standing. 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 first- and 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 second-semester juniors and 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 450 Business Management and Policy**

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

**BUS 490 Independent Readings and Research**

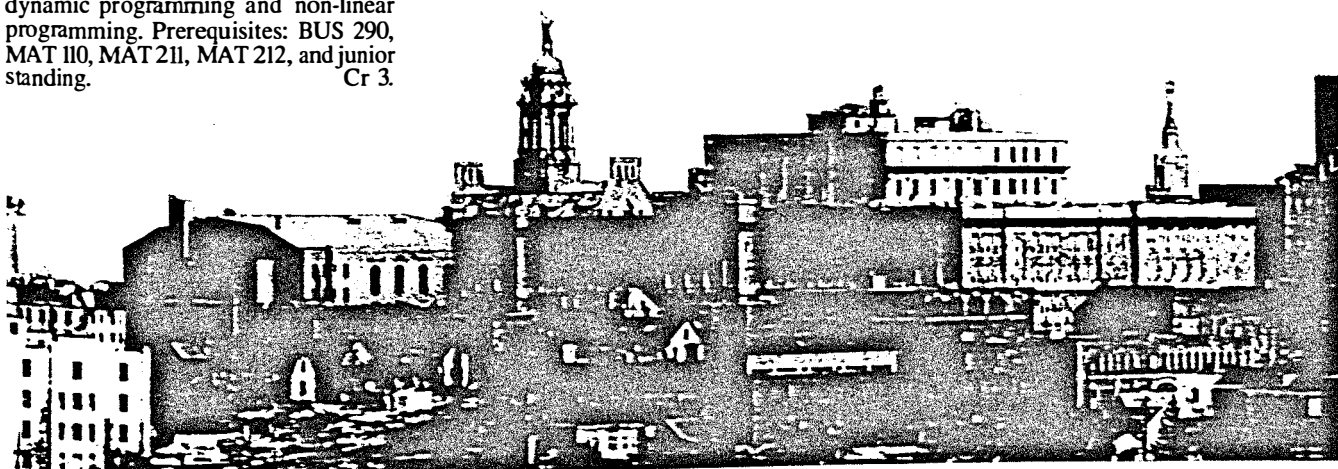
Selected topics in the various areas of accounting, finance, management, and marketing may be studied and researched on an independent basis. Prerequisites: senior standing and permission of the instructor and chair of the department. Cr 1-6.

**Graduate Business****MBA 640 Management Theory**

This course analyzes the tasks and responsibilities confronting administrators in complex organizations. It focuses on the issues involved and the problems encountered in designing the organizational structure, in establishing the decision-making processes, and in integrating the diverse sub-system in order to achieve the organizational goals. Within a systemic framework a contingency approach is utilized to present theoretical concepts, practical applications, and managerial experiences. Prerequisites: MBA 506 management module. Cr 3.

**MBA 651 Industrial Relations and Personnel Management**

A comprehensive investigation of the changing pattern of industrial relations in the United States. Major emphasis is on the human, social, and economic aspects of employer-employee relationships in both union and non-union settings. Provides an understanding of and appreciation for the crucial importance of the development of sound and flexible personnel policies by top management. Among the areas considered are: the changing nature of the labor force; wages, salaries, and fringe benefits; hours of work; and the impact of technological change on the work force. Prerequisites: MBA 501-A and MBA 506-A or permission of instructor. Cr 3.



### **MBA 660 Marketing Management**

This course is organized to give the graduate student an opportunity to develop and test, through the case method, a number of marketing policies and strategies. Furthermore, the student will read and discuss the current literature in the field of marketing, reviewing current marketing practices and predictions for the balance of the century. Prerequisites: MBA 501, MBA 506-B.

Cr 3.

### **MBA 680 Organization Strategy and Planning**

Administrative practice at the higher levels of business management, with major emphasis on long-range executive planning of profit, sales, production, social goals, and objectives, and of strategies and policies to achieve these objectives. Coordinates all executive activities viewed as tools for use in developing administrative competence in the formulation of business policies at the decision-making level. Prerequisites: 21 credits of 600-level MBA courses.

Cr 3.

### **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 100 Introduction to Business**

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

Cr 3.

#### **ABU 111 Principles of Accounting I**

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

Cr 3.

#### **ABU 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 students).

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 240 Principles of Management**

A comprehensive survey of all phases of the management of industrial and business enterprises. The influence of industrial relations is interspersed with the treatment of management's technical problems. Prerequisites: ABU 101, ABU 102.

Cr 3.

#### **ABU 285 ABA Work Internship**

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

Cr 3.

### **Economics**

#### **ECO 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 299 U.S.S.R. Economic and Social System**

This course will be centered around a 19-day visit to the Soviet Union during which the students will visit the cities of Moscow, Baku, Tbilisi, and Leningrad. The objective of the course is to provide the students with an understanding of the economic, social, and to some extent, political institutions of the U.S.S.R. via lectures, readings, discussions and visits to Soviet economic institutions, and meetings with Soviet counterparts.

Cr 3.

#### **ECO 302 Microeconomic Analysis**

Price, income, and employment theory as tools in the study of economics. Prerequisites: ECO 201, ECO 202, and junior standing.

Cr 3.

#### **ECO 370 International Trade**

The principles and practices of international trade and finance are thoroughly treated. Special emphasis is given to current trends in the international economy and to United States commercial policy. Prerequisites: ECO 201, ECO 202, and junior standing.

Cr 3.

#### **ECO 399 01 U.S.S.R. Economic and Social Systems**

This course will be centered around a 19-day visit to the Soviet Union during which the students will visit the cities of Moscow, Baku, Tbilisi and Leningrad. The objective of the course is to provide the students with an understanding of the economic, social, and to some extent, political institutions of the USSR via lectures, readings, discussions and visits to Soviet economic institutions, and meetings with Soviet counterparts. A paper will be required on some aspect of the Soviet economy which aroused the student's interest.

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 200 Preprofessional Nursing

This course provides the student planning to major in nursing the opportunity to examine the nature and scope of professional nursing. Concepts basic to nursing, including health, health care consumers and professional nursing roles are studied. Basic nursing skills, including vital signs, interviewing and asepsis are practiced. Cr 3

### NUR 302 Pharmacology

Basic concepts in pharmacology including major drug categories, drug interactions, the use of the nursing process in the therapeutic administration of drugs, legal implications, and the physical and psychological effects on drugs on various age groups will be emphasized. Prerequisites: Human Anatomy and Physiology, BIO 345. Concurrent: NUR 305. Open to other than nursing students with permission of faculty. Cr 3.

### NUR 304 Transition to Professional Role

Utilization of the nursing process is emphasized to assist individuals, families and groups to promote, maintain and restore health. Concepts and selected theories provide a basis for understanding the factors which facilitate and/or inhibit the growth and development of human beings. Cr 5.

### NUR 309 Total Health Assessment

The purpose of this course is to develop the knowledge and skill necessary to conduct an in-depth bio-psychocultural assessment of an individual. Emphasis will be placed on data collection through development of communication, interviewing, history-taking and physical examinations skills. Cr 3.

### NUR 406 Community Health

Introduces concepts and principles basic to the development and maintenance of community health. Emphasis is on population aggregates in the community as the unit of service. The epidemiological process is stressed in surveying current major health issues. Must be taken during the senior year. Open to other than nursing students with permission of the faculty. Cr 3

### NUR 603 Nursing Theory and Its Relationship to Practice

An examination of theories and conceptual frameworks currently used in nursing practice. A pragmatic interpretation of nursing theory will be stressed. Emphasis will be placed upon the relationship between theory and conduct in a practice discipline. Cr 3.

### NUR 604 Research and Data Analysis in Nursing

Research problems in nursing, appropriate methodologies and designs, and ethical implications will be explored with an emphasis on the relationship between theory, practice and research. Qualitative and quantitative data analysis will be included. Students will be introduced to the utilization of computers in data processing. Prerequisites: Introductory Statistics, NUR 604, or permission of instructor. Cr 4.

### NUR 605 Leadership and Change: Concepts and Strategies

This course will examine the historical, social and political context of nursing's emerging leadership patterns. Obstacles to effective leadership will be emphasized such as powerlessness, oppression and sex role stereotyping. Creative strategies for facilitating change will be explored. Cr 3.

### NUR 606 Health Policy Analysis

Political, economic, and ethical frameworks will be used to analyze policies impacting on the health care delivery system and nursing practice. Special attention will be given to the role of the nurse in implementing and influencing policy. Cr 3.

### NUR 690 Thesis Seminar

A research seminar in which the student reviews the research process and develops a plan for the thesis. The focus is primarily on assisting the student to define a research problem. Cr 3.

## Recreation and Leisure Studies

### REC 105 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 combined weight training/aerobic conditioning program for men and women. The program is designed to teach proper conditioning techniques, increase muscular strength and endurance, increase flexibility, and increase cardiovascular conditioning. Students will utilize the Lifeline Bodyshop facility. Cr 1.

**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 216 Advanced First Aid and Emergency Care**

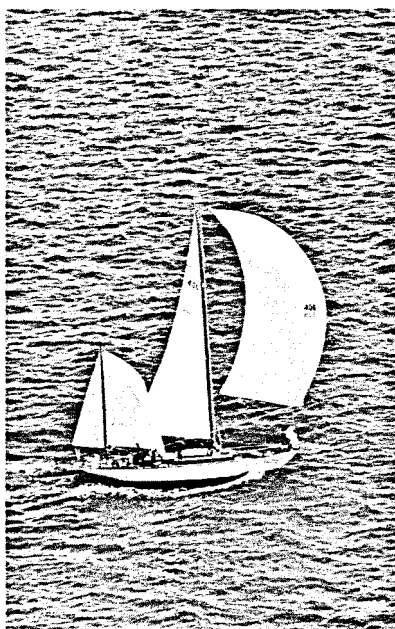
This course will cover the topics prescribed by the American Red Cross in their advanced first aid course, including respiratory emergencies, artificial respiration, wounds, poisoning, water accidents, drugs, burns, emergency childbirth, emergency rescue and transfer, and other topics. Successful completion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

**REC 219 Personal Fitness**

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

**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 299 Sailing**

The principles of safety, seamanship, and navigation will be the focus of the course, but with additional responsibility for each student. The major differences between the Basic Sailing course and Off-Shore, or the Advanced Sailing course, are in the degree of complexity, responsibility and measurement of accomplishment. Basic ability is presumed in all students in the areas of sail handling and basic dead reckoning navigation. In addition, using both coastal piloting techniques and celestial navigation techniques, students will sharpen and extend their navigation skills. Students will stand four hour watches in responsible roles as navigator and sailing master. Cr 2.

**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.

## Public Policy and Management Program

**PPM 601 Quantitative Analysis**

Introduces students to the use of quantitative methods in the analysis and evaluation of public policy. Emphasis is placed on the application of probability, statistics, and data analysis techniques. Topics include sampling, estimation, hypothesis testing, forecasting, and the analysis of correlation and causality. Particular attention is paid to organizing and reducing large and complex data sets for the purpose of drawing inferences about causal effects. Computer exercises will be used to illustrate the application of these topics in such areas as educational finance, manpower training programs, and hospital cost containment. Cr 3.

**PPM 640 Summer Internship and Related Seminar**

Gives the student the opportunity to apply acquired knowledge and skills to a problem in an operating agency, assists the students in career planning, and generates opportunities for the development of a policy memorandum. The internship provides students who have not had public sector experience the opportunity for direct learning through employment in an organization engaged in public policy and management. Students currently employed may shape internship experiences in the organizations and agencies where they work. Additional opportunities for internships in policy research with the Center for Research and Advanced Study are also available.

A seminar meets periodically during the summer. Each student submits a written report at the conclusion of the internship. Cr 3.

# School of Applied Science

## Computer Science

### **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 161 Algorithms in Programming**

The development of algorithms and their implementations in a higher-level programming language, with emphasis on proper design principles and advanced programming concepts. Prerequisite: COS 160 (PASCAL). Cr 3.

## Technology

### **ITP 310 Plant Layout and Material Handling**

A study of materials flow, layout production, assembly and service departments, manufacturing, buildings, service departments, handling equipment, and packaging techniques. Cr 3.

### **ITT 382 CAD/CAM Technology**

A study of computer utilization in the areas of designing, engineering, manufacturing, and documenting as they relate to production process. Emphasis on the utilization of computer-aided drafting and design (CADD) and computer-aided manufacturing (CAM) hardware and software. Lecture and lab. Prerequisite: ITT 281 Cr 3.

### **ITP 330 Production Control**

Production control as a system, types of process organization, planning and scheduling, inventory control, forecasting production control and production planning. Some of the techniques developed in Operational Research will be used to solve problems in Production Control. Cr 3.

### **ITP 370 Job/Work Analysis**

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

### **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.

### **IEVI 310 Methods and Materials of Instruction in Vocational Education**

This course treats the general and specific materials and methods of teaching vocational courses. Deals with both the theoretical and practical aspects. Prerequisites: ITP 370 and IEV 305. Cr 3.

### **ITTI 440 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 approved industry-sponsored school or seminar for the purpose of providing the student with advanced related occupational or technical training. Courses provided by organizations such as General Motors Training Centers, or International Typographical Union, qualify under this course option.

#### **OPTION NO. 2**

Approved employment with a company may qualify a student under this option. Arrangements must be approved by the advisor in advance. The experiences should provide opportunities for updating technical skills and knowledge. Credit will be determined on the basis of one

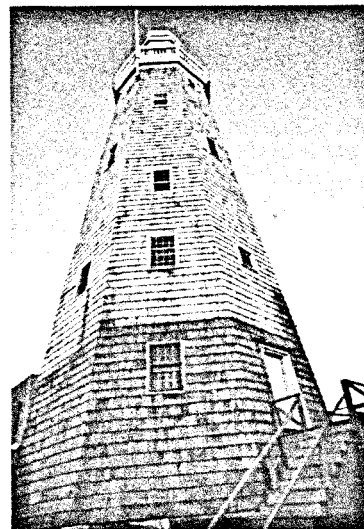
credit for each two full weeks of employment with a maximum of five credits for each period of approved continuous full-time employment. A daily log, summary report and evaluation by an industrial supervisor will constitute part of this option.

For additional information concerning either option of ITT 440, consult your adviser.

## Engineering

### **ELE 171 Microcomputer Architecture and Applications**

The microcomputer and its component parts including microprocessors, registers, memory and I/O. Programming and applying the microcomputer in engineering systems. Rec 3, Lab 3. Cr 4





# The Facts

## Registration

### *General Policies Related to Undergraduate and Graduate Registration*

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

**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 at the end of August. These grade reports represent the only notification to students of their performance in given courses.

Students who desire official documentation of work completed during a summer session must complete a Transcript Request form at the Registrar's Office. Transcripts will be updated with summer session work during the second week of September. Formal requests for transcripts needed before this date will be handled on an individual basis. The fee for a transcript to be used outside the University of Maine System is \$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 Academic 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 Academic 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.

**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 System campuses in addition to courses at USM should contact the Registrar's Office or the Advising and Academic 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

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 Academic Information Department. 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.

### *Undergraduate Registration Procedures*

**Undergraduate Registration (walk-in)** All students taking undergraduate courses may register in person at the Advising and Academic 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 Academic Information Department at: 780-4408 or 800-492-0748 (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 if necessary.

### **Graduate Registration Procedures**

**Graduate Registration (walk-in)** Walk-in registrations will be processed from March 2 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 along with registration worksheet.

**Graduate Registration (mail-in)** Mail-in registrations will be processed March 2 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, Maine 04103**

**For more information, contact:**  
Graduate Education, 780-5306; School  
of Business, Economics and Manage-  
ment, 780-4020; School of Nursing,  
780-4130; School of Law, 780-4346.

# Graduate Registration Worksheet

Date --

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

Name \_\_\_\_\_ Last \_\_\_\_\_ First \_\_\_\_\_ Middle \_\_\_\_\_

Soci Security Number \_\_\_\_\_

**Home Address** \_\_\_\_\_  
Street City State Zip Telephone

**Business or Local Address**

Organization or Street	City	State	Zip	Telephone
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## Course Schedule

<i>Campus</i>	<i>Department</i>	<i>Number</i>	<i>Section</i>	<i>Session</i>	<i>Pass/Fail</i>	<i>Credits</i>
<i>Total credits</i>						

**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. The University will not send out bills. Checks should be made payable to the University of Southern 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.

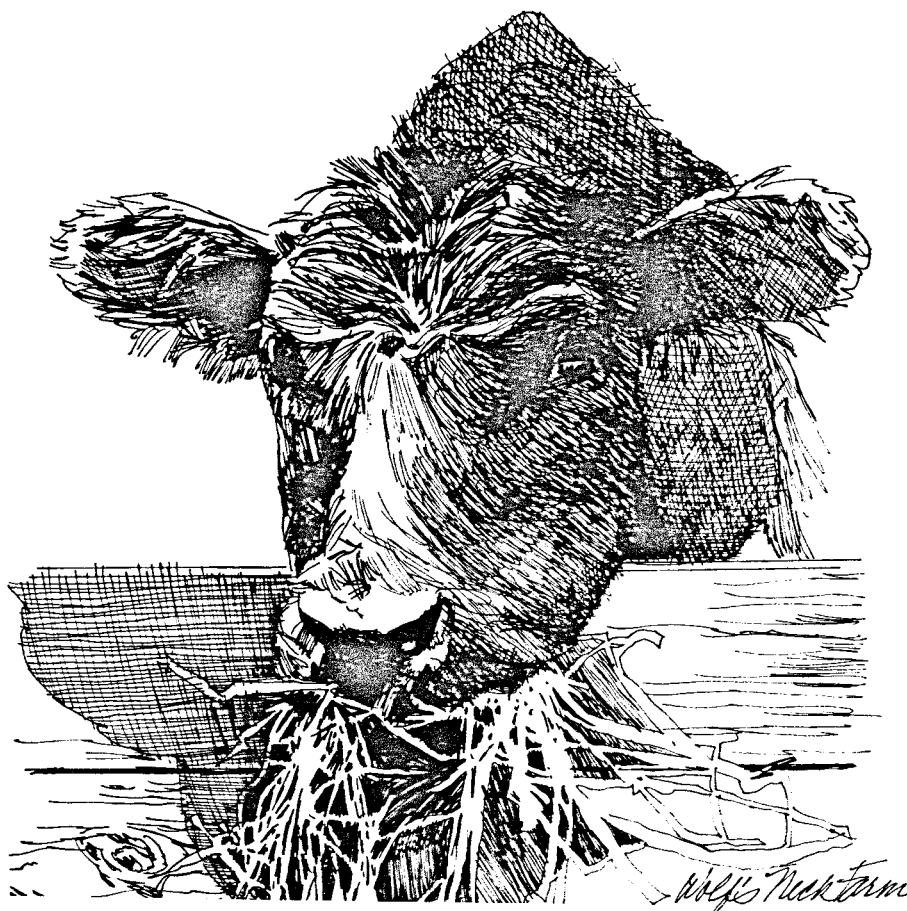
When paying institutional charges by check, a \$5.00 penalty is imposed if the check is returned for non-payment.

Payment must be made at the Business Office on either 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. The student must be prepared to pay in full all costs not guaranteed at time of registration. 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 System 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 System. 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**

*Sessions which are more than three weeks*

Cancellation prior to the first day of session.....	100%
Withdrawal prior to the end of the first week.....	75%
Withdrawal prior to the end of the second week.....	50%
Withdrawal prior to the end of the third week.....	25%
Withdrawal after third week.....	0%

<i>Sessions which are three weeks or less</i>	
Cancellation prior to first day of session.....	100%
Withdrawal prior to end of first week.....	50%
Withdrawal after first week.....	0%

**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 11-August 14.) 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.

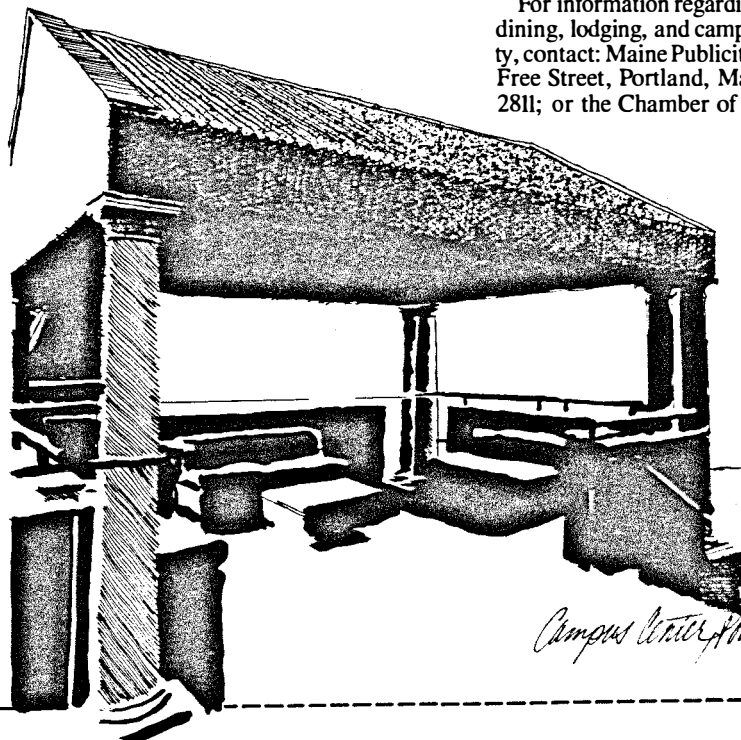
### Housing Rates

	No Linen	Limited Linen*
Single	\$9.75	\$12.00
Double	\$7.25	\$9.50

Refunds will be made on a per diem basis.

*Special Rentals:* desk lamps, fans, and refrigerators may be rented for a weekly fee of \$3.00, through the Office of Residence Life. Refrigerator rental requires a refundable deposit of \$25.00.

\*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. The cafeterias on both campuses will be open Monday-Friday, 7:30 a.m.-1:30 p.m., serving both breakfast and lunch. The Gorham Dining Center will serve a dinner meal from 5:00-6:00 p.m., beginning June 22.

## 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, 207/772-2811; or the Chamber of Commerce.

## Summer Session Housing Reservation Request

(Please print or type all information)

Name \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_ State/Zip \_\_\_\_\_

Telephone (home) \_\_\_\_\_ (business) \_\_\_\_\_ Birthdate \_\_\_\_\_ Soc. Sec. No. \_\_\_\_\_

List any medical considerations that might affect room assignment \_\_\_\_\_

Type of room requested: ☐ single ☐ double Would you like a linen package ☐ yes ☐ no

Rentals: Check those you would like reserved and enclose deposit ☐ desk lamp ☐ fan ☐ refrigerator

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

FOR OFFICE USE ONLY  
Processed: \_\_\_\_\_  
SNG ☐ DBL ☐ NLT ☐ LL ☐ FL ☐  
LMP ☐ FAN ☐ REF ☐

# Campus Resources and Services

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## **Parking**

All faculty/staff and summer session student vehicles not previously registered for the 1986-87 academic year must be registered and display a valid decal.

Effective May 11, 1987, the vehicle registration fee will be \$3.00. All decals expire August 31, 1987.

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

## **Bookstore**

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

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

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

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**

### **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
Sunday	Closed

### **Library Closed**

Memorial Day Weekend: May 23, 24, 25  
Independence Day: July 3

## **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.

## **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 Academic Information Department**

The Advising and Academic Information Department provides academic advising and counseling services for students who are admitted "with conditions," and non-degree (special) students. Veteran students services and the coordination or services for students who seek assistance with special needs due to a handicapping condition are also responsibilities of the department. For more information contact: Advising and Academic Information Department, 110 Payson Smith Hall, (207)780-4040.

## **Counseling and Career Development**

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

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

## **Off-Campus Centers**

In its continuing effort to meet the needs of a diverse student population, the Division of Basic Studies administers centers in Bath, Saco, and Sanford. These centers provide easy geographic access to University courses and services. Various courses that satisfy requirements for many associate and baccalaureate degree programs are offered at a variety of times during the day and evening to accommodate both full- and part-time students. For more information, contact the center nearest to you.

Bath Center  
Woolwich Commons  
Woolwich, Me. 04579  
(207)442-7070

Saco Center  
Fairfield Street  
Saco, Me. 04072  
(207)282-4111

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

## **Financial Aid**

USM degree candidates may apply for Guaranteed Student Loans (GSL) to help pay for summer attendance. Applicants must complete both a Financial Aid Form (FAF), to establish need, and separate loan application form. The FAF is available at the Student Financial Aid Office, Corthell Hall, on the Gorham campus; the Advising and Academic Information Department, Payson Smith Hall, on the Portland campus; and at all off-campus centers. Loan applications may be obtained from local lenders (banks, credit unions or savings and loan institutions). Since it takes five to six weeks for an FAF to be processed, students are encouraged to apply by March 15, 1987.

Students who will be completing degree requirements in August or January may be eligible for other types of assistance. For more information, contact the Student Financial Aid Office (780-5250).

## 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 1987 Summer Session are the Department of Conferences, the Department of Continuing Education for Nursing and Health Professions, and Lifeline.

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

### Whale Watch

Saturday, June 13

9:00 a.m.-3:30 p.m.

(arrive by 8:45 a.m.)

Portsmouth Harbor, Cruises Dock  
Ceres St., Portsmouth, N.H.

Cost: \$20 adults/\$15 children 16  
and under

Join new and veteran whale watchers for a day with Scott Mercer, marine biologist and coauthor of *The Great Whale Book* and Tim Dietz, author of *Tales of Whales* and *Tales of the Sea*. New England Whale Watch has had a 99% success rate of sighting whales since 1978. Participants have had close looks at humpbacks, fins, rights, seis and minke as well as dolphins, harbor porpoises, and seals. Last spring a few from our group were privileged to pat a Humpback Whale! Register early! This is a popular cruise!

For those who have cruised with us before, please be sure to note the new Portsmouth location.

### 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.

The Department of Community Programs is located at 68 High Street. Drop by and we'll be happy to answer your questions about upcoming fall courses, or call 780-4045. Office hours: 8:00 a.m. to 5:00 p.m.

### Women in Management

Thursday April 9 and Friday April 10, 1987

Holiday Inn, downtown Portland

Registration: \$65.00 each day

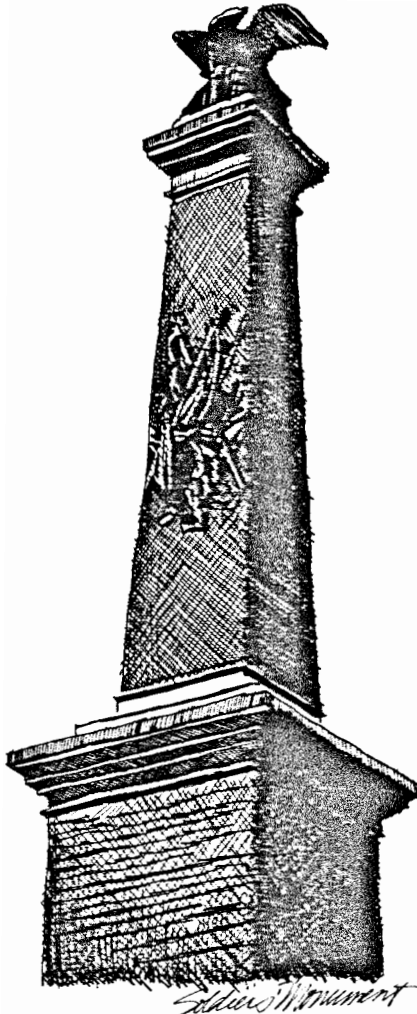
Mark your calendars now for the 8th annual Women in Management Conference at the newly renovated Holiday Inn in downtown Portland. Celebrate this special two-day event which re-energizes its many participants for a spring full of new insights, new skills and new contacts. Wendy Reid Crisp, *Savvy* magazine's former editor-in-chief will be this year's keynote speaker. Recently she left *Savvy* to begin a new venture, Master Media, a nonfiction trade book publishing company. Her talk on the inner journey towards entrepreneurship and intrapreneurship promises to be another memorable keynote. First time workshops will include How to Apply the Analogy of Sports Psychology to Achieve Peak Performance, How to Read the *Wall Street Journal*, How to Speak Powerfully, When to Contract for Outside Professional Advisors, Performance Appraisals, and Media Image. Practice, strategize, and discuss issues of leadership, entrepreneurship, programs for balancing work and family budgets, and more.

This is a conference many come to again and again and again. We also invite first timers!

### Lifeline

The USM 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. Programs are also offered in a variety of recreational activities.

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







### ***Continuing Education for Nursing and Health Professions***

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

### ***Department of Conferences***

The primary goal of the Department of Conferences is to provide a forum for qualified resource people to share with

others information, develop ideas, upgrade professional skills, and develop a greater understanding of current problems. The Department will provide specialized services to governmental agencies, professional organizations, private business, and community groups in the areas of program design, planning, and development.

The Department offers a total conference planning service. The staff will help in planning a program and its content. They can assist in selection of the following facilities and services: University residence/dining halls; University recreation facilities; cultural resources such as art galleries, summer theater, and concerts in the Greater Portland

area; classroom auditorium facilities; referral to local motels for housing during the academic year; and area tourist facilities.

The Department will also assist in promotion and publicity; meeting facilities; registration services; special arrangements, including the selection of resource people; and post-conference evaluations, reports, and financial statements. For more information contact 780-4074.

### ***Department of Continuing Education for Business***

The Department provides noncredit programs to meet identified needs within and among southern Maine companies, nonprofit organizations, and government agencies. Intensive external involvement in the form of programmatic advisory groups insures that the Department's offerings are timely, relevant, and scheduled appropriately. These groups are also very active in the promotion of the Department and its various programs.

The Department's offerings address needs in management development, quality control, production and inventory control, executive housekeeping, and sales and marketing. Additional courses, seminars, and workshops are under development.

All of the Department's events can be made available for on-site delivery within organizations. We would be happy to discuss these programs or any other needs your organization may have. The Department telephone is 780-4092.

### ***Computer Resource Center***

The Department of Community Programs established the Computer Resource Center in the spring of 1985 to enhance and expand its computer education offerings in an effort to better accommodate the community of new and experienced personal computer users. Individual computer courses, contract training, the Certificate Program for Personal Computer Coordinators, and information services assist professionals, organizations, and the general public with their continuing needs. The Computer Resource Center is equipped with IBM-compatible computers and the latest in popular software.

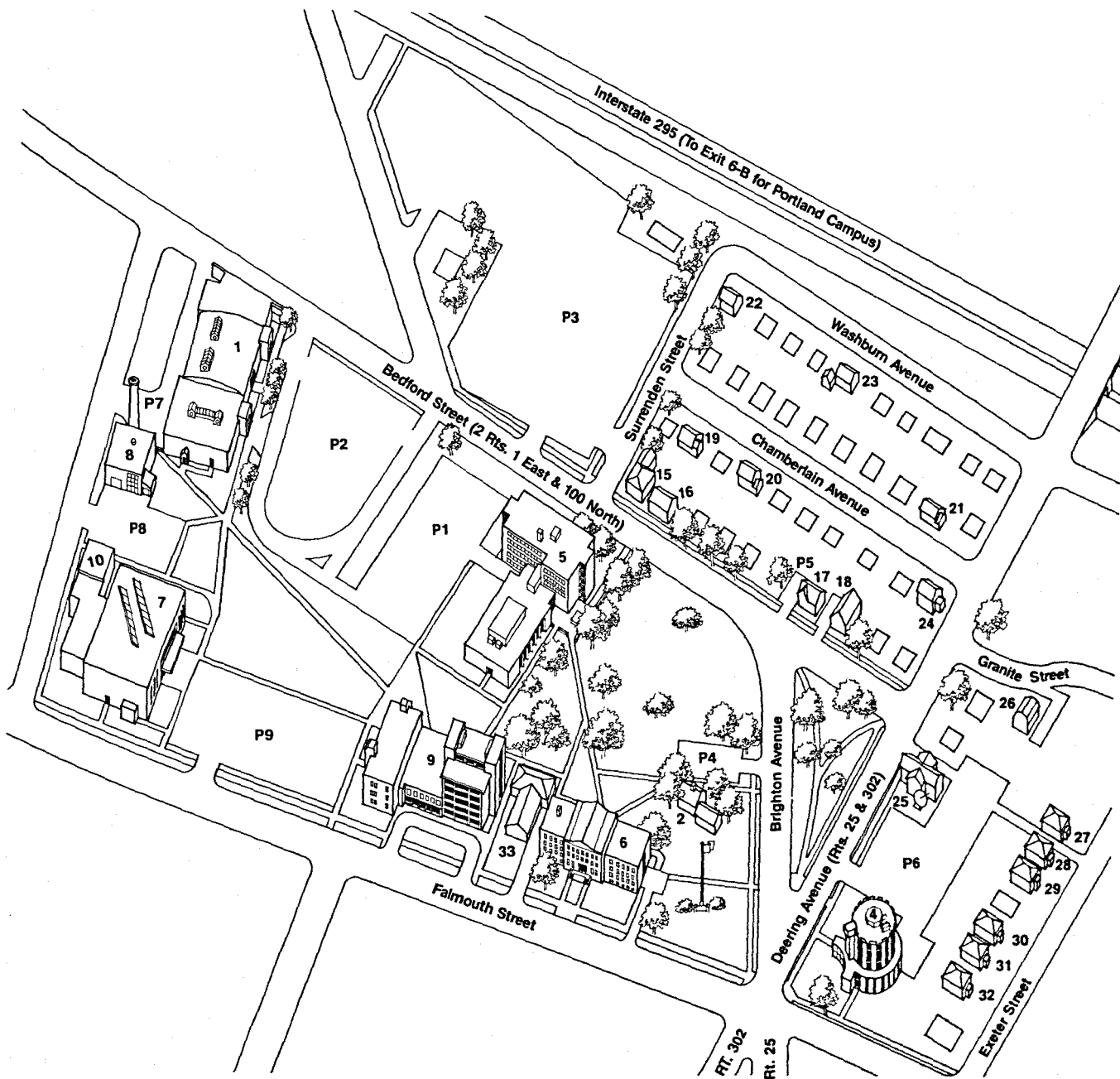
# Index

Accommodations .....	49	French .....	31
Advising .....	50	Geography .....	31
Advising and Academic Information Department .....	50	Geology .....	32
Bookstore .....	50	German .....	31
Calendar .....	inside front cover	History .....	32
Camps		Mathematics .....	33
Basketball .....	15	Music .....	34
Field Hockey .....	15	Nursing .....	43
Gymnastics .....	15	Oceanography .....	32
Music .....	15	Philosophy .....	34
Soccer .....	15	Physics .....	34
Cancellation Policy .....	46	Political Science .....	34
Certificate Programs .....	16	Psychology .....	34
Child Care Services .....	15	Public Policy .....	44
Childhood Psychopathology Workshop .....	10	Recreation and Leisure Studies .....	43
Children and Youth, Programs for .....	14	ROTC .....	34
Community Programs .....	51	Social Work .....	35
Computer Resource Center .....	52	Sociology .....	35
Conferences .....	52	Spanish .....	31
Continuing Education for Business .....	52	Technology .....	45
Counseling and Career Development .....	50	Theatre .....	35
Course Descriptions .....	28	Women's Studies .....	36
Accounting .....	40	Dining .....	49
Anthropology .....	31	Elderhostel .....	9
Art .....	28	Facts .....	46
Biology .....	29	Field Camps .....	10
Business, Associate .....	42	Financial Aid .....	50
Business, Graduate .....	41	Freshman Programs .....	11
Business, Undergraduate .....	40	Great Beginnings .....	11
Chemistry .....	29	Health Services .....	50
Communication .....	30	High School Programs .....	11
Computer Science .....	45	Honors Program .....	16
Core Curriculum .....	30	Housing Reservation Form .....	49
Criminology .....	30	Institutes for Educators .....	7
Economics .....	42	Law, School of .....	16
Education, Graduate .....	37	Library .....	50
Education, Undergraduate .....	36	Lifeline .....	12, 51
Engineering .....	45	Map, Portland Campus .....	55
English .....	30		



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Map, Gorham Campus.....	56
Media Services.....	50
Nursing and Health Professions.....	12, 52
Office Hours.....	6
Off Campus Centers.....	50
Parking.....	50
Public Policy and Management.....	16
Public Service, Division of.....	51
Real Estate, Center for.....	17
Refund Policy.....	48
Registration Information.....	46
Graduate.....	47
Undergraduate.....	46
Resources.....	50
Sailing.....	10
Schedule.....	19
Special Programs.....	7
Sports Psychology.....	10
Stonecoast Writer's Conference.....	14
Summer Hours, Offices, and People.....	6
Summer Selections For Children.....	14
Summer Study.....	11
Taft Institute.....	7
Tuition and Fees.....	48
University of Southern Maine.....	4
Veterans' Services.....	46



the Portland campus

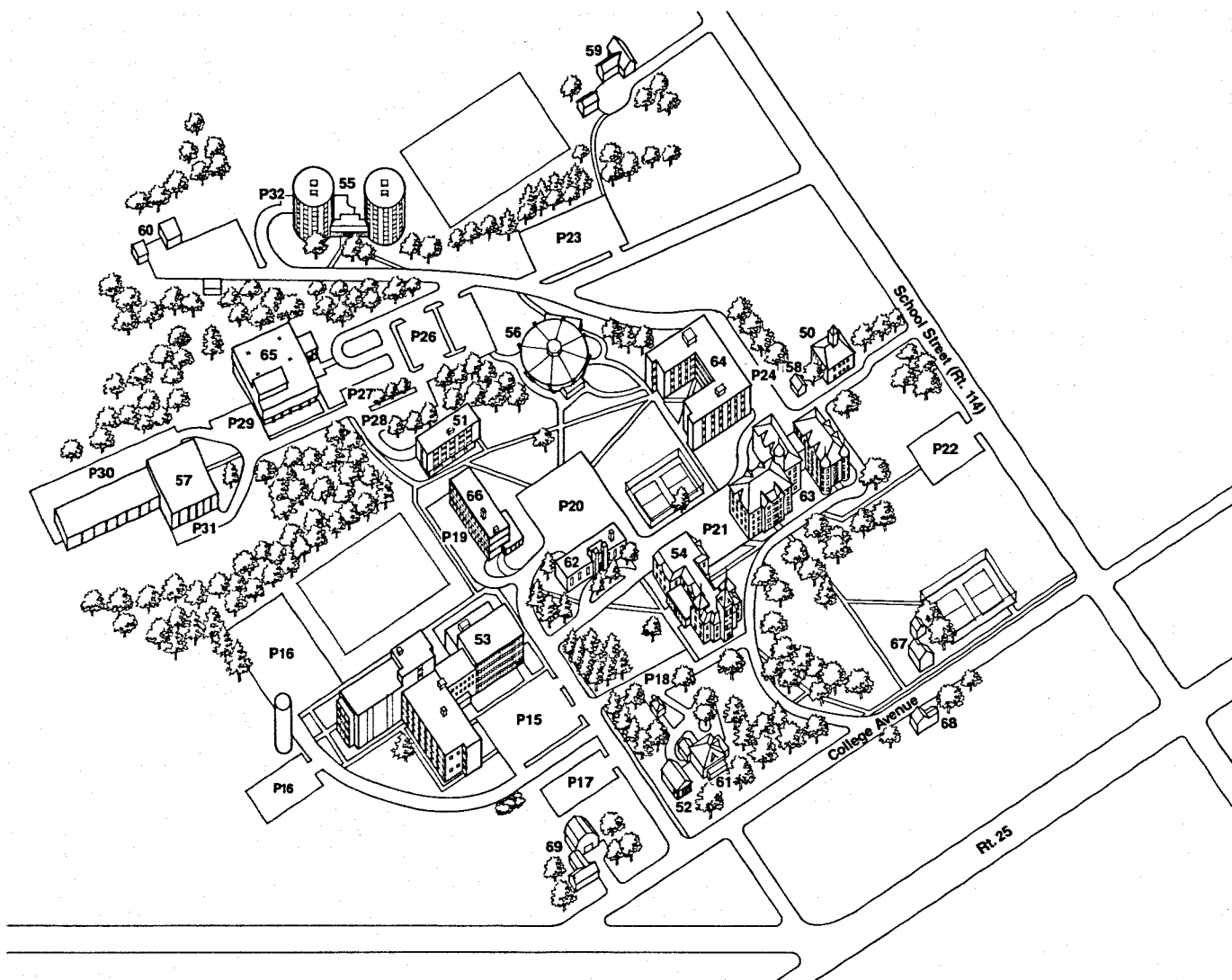
#### Portland Campus

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

20. 15 Chamberlain Avenue
21. 38 Chamberlain Avenue
22. 3 Washburn Avenue
23. 25 Washburn Avenue
24. 209 Deering Avenue
25. 228 Deering Avenue
26. 11 Granite Street
27. 39 Exeter Street
28. 45 Exeter Street
29. 47 Exeter Street
30. 55/57 Exeter Street
31. 59/61 Exeter Street
32. 65 Exeter Street
33. West Hall

#### Parking

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



## the Gorham campus

### Gorham Campus

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

- 64. Upton/Hastings Hall (Bookstore)
- 65. Warren Hill Gym
- 66. Woodward Hall
- 67. 19 College Avenue
- 68. 24 College Avenue
- 69. 51 College Avenue

### Parking

- P15. Faculty/Staff
- P16. Student Commuter
- P17. Faculty/Staff
- P18. Visitor
- P19. Student Commuter
- P20. Faculty/Staff
- P21. Faculty/Staff
- P22. Student Resident

- P23. Student Resident
- P24. Student Resident
- P26. Student Resident
- P27. Faculty/Staff/Student Commuter
- P28. Student Resident
- P29. Visitor
- P30. Student Commuter
- P31. Faculty/Staff
- P32. Faculty/Staff



University of Southern Maine  
96 Falmouth Street  
Portland, Maine 04103

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University of Southern Maine



**Summer Session**  
University of Southern Maine  
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207/780-4076

MULHALL • MICHAEL H.  
COLLEGE OF ARTS AND SCIENCE  
ENGLISH  
PORTLAND CAMPUS

40



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## 1987 Preliminary Schedule

*Summer Session*



University  
of Southern  
Maine

# Summer Session 1987

## Registration Begins March 2, 1987

The University of Southern Maine is pleased to present its 1987 Summer Session schedule. The Summer Session is designed to meet the needs of degree candidates, as well as those taking courses for other reasons. For more information regarding the University of Southern Maine and its programs, contact the Advising and Academic Information Department, 780-4040.



## The Facts

### Registration

#### Undergraduate Courses

To register for undergraduate courses, contact the Advising and Academic Information Department in 110 Payson Smith Hall on the Portland campus or the Registrar's Office in 113 Corthell Hall on the Gorham campus. Students may also register at any of USM's off-campus centers, Bath: 442-7070; Saco: 282-4111; Sanford: 324-6012. Offices are open Monday through Friday, 8:00 a.m. to 4:30 p.m. Telephone registrations are accepted using MasterCard or Visa. Call 780-4408 or 1-800-492-0748.

#### Graduate Courses

Students wishing to register for graduate courses must have the approval of the advisor and/or the dean or director in the school/college they wish to take courses. Students may then complete the registration process through the Advising and Academic Information Department or the Registrar's Office. Students interested in graduate education courses must contact the Graduate Education Office located in 408 Bailey Hall on the Gorham campus (780-5306).

## Tuition/Fees/Payment

Undergraduate Courses. . . . .	\$50.30 per credit hour
Graduate Courses. . . . .	\$57.90 per credit hour

Payment must be made at the time of registration.

## Accommodations and Dining

Housing on the Gorham campus is available at reasonable rates (\$9.75 single or \$7.25 double, no linen) beginning May 11. Meal plans are available, or breakfast and lunch may be purchased on an *a la carte* basis. For more information, contact: Residence Life, 100 Upton Hall, Gorham campus, 780-5240.

Child care services are available. For more information, call 780-4125.

## Instructional Television

USM's Instructional Television System (ITV) offers courses "live" on color television simultaneously connecting classrooms in Gorham, Portland, Saco, and Sanford. Students talk to the instructor using a specially designed microphone system.



Special Institutes

This summer, the University of Southern Maine will host a variety of special institutes. A few are listed below. For more information, contact the Office of Summer Session, 780-4076.

- Stonecoast Writers' Conference
- Economic Education for the Classroom Teacher
- Children's Art Workshop
- In Celebration of Children's Literature
- Arts Education Institute
- Teaching Science and Social Studies in the Elementary School: A Site Approach
- Institute in Gerontology Education
- Summer Science Symposium
- Sports Psychology Institute
- Summer Study Abroad—courses offered in England, Ireland, Soviet Union, and Iceland.

Session Dates

- Session 1 May 11–June 26 (7 weeks)
- Session 2 May 11–June 5 (4 weeks)
- Session 3 June 15–July 10 (4 weeks)
- Session 4 June 29–August 14 (7 weeks)
- Session 5 June 22–July 31 (6 weeks)
- Session 6 July 20–August 14 (4 weeks)
- Session 7 Variable

Holidays

- May 25 (Memorial Day)
- July 3 (Independence Day celebrated)
- June 8–12 (no day classes)

Schedule Legend

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

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



The University reserves the right to revise, amend, or change items in this brochure. The University also 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.

TOWN	COURSE	SEC	SESS	COURSE TITLE	COL	CR HRS	TIME	DAYS
COLLEGE OF ARTS & SCIENCES								
ART								
G	AED 412	01	7	ART EDUCATION CURRICULUM	CAS	3.0	9:00- 3:00	MTWTH
THIS COURSE IS GIVEN JULY 27TH-AUGUST 6TH								
P	ARH 111C	01	2	HISTORY OF ART I	CAS	3.0	8:15-11:30	MTW
P	ARH 111G	02	1	HISTORY OF ART I	CAS	3.0	7:00- 9:40E	TTH
P	ARH 112G	01	4	HISTORY OF ART II	CAS	3.0	7:00- 9:40E	MW
P	ARH 112G	02	6	HISTORY OF ART II	CAS	3.0	8:15-11:30	MTW
P	ART 101G	01	3	APPROACHES TO ART	CAS	3.0	8:15-11:30	MTW
P	ART 141F	01	7	FUND DESIGN I	CAS	3.0	6:45- 9:45E	MW
THIS COURSE IS GIVEN MAY 11TH-AUGUST 14TH								
G	ART 231	01	7	CERAMICS	CAS	3.0	8:30- 4:00	MTW
THIS COURSE IS GIVEN JUNE 22ND-JULY 15TH								
P	ART 259	01	7	LANDSCAPE DRAWING	CAS	3.0	8:30- 4:00	MTWTHFS
THIS COURSE IS GIVEN JULY 27TH-AUGUST 7TH								
P	ART 269	01	7	LANDSCAPE PAINTING	CAS	3.0	8:30- 4:00	MTWTH
THIS COURSE IS GIVEN JUNE 8TH-JUNE 27TH								
G	ART 271	01	7	PHOTOGRAPHY	CAS	3.0	6:00- 9:30E	MTWTH
THIS COURSE IS GIVEN MAY 11TH-JUNE 18TH								
G	ART 299	01	7	2-D,3-D FIGURE STUDY	CAS	3.0	8:30- 4:00	MTWTH
THIS COURSE IS GIVEN JULY 27TH-AUGUST 13TH								
P	ART 363	01	2	PAINTING-WATERCOLOR	CAS	3.0	8:30- 4:30	MTW
G	ART 412	01	7	VISUAL ARTS WORKSHOP	CAS	3.0	8:30- 4:00	MTWTH
THIS COURSE IS GIVEN JULY 6TH-JULY 24TH								
BIOLOGY								
P	BIO 105K	01	1	ELEMENTS OF BIOLOGY	CAS	3.0	7:00- 9:40E	TTH
P	BIO 281	01	1	MICROBIOLOGY AND DISEASE	CAS	3.0	8:15-11:30	MW
P	BIO 282	L1	1	MICROBIOLOGY AND DIS LAB	CAS	2.0	8:15-12:30	TTH
P	BIO 291	01	2	ORNITHOLOGY	CAS	3.0	8:15-11:30	MTW
P	BIO 345	01	1	PATHOPHYSIOLOGY	CAS	3.0	4:00- 6:40	TTH
G	BIO 441	01	7	INDEPENDENT STUDY	CAS	1-15.0		A
THIS COURSE IS GIVEN MAY 11TH-AUGUST 14TH								
CHEMISTRY								
G	CHY 101K	01	1	INTRO TO CHEMISTRY	CAS	3.0	7:00- 9:40E	MW
G	CHY 102K	L1	1	INTRO TO LAB MEASUREMENT	CAS	1.0	5:00- 7:40	TTH
G	CHY 103	01	4	INTRO ORGANIC BIOCHEM	CAS	3.0	7:00- 9:40E	MW
G	CHY 104	L1	4	INTRO ORGANIC BIOCHEM LAB	CAS	1.0	5:00- 7:40	TTH
P	CHY 113	01	1	PRINCIPLES OF CHEMISTRY I	CAS	3.0	8:30-10:00	MTWTH
P	CHY 114	L1	1	LAB TECHNIQUES I	CAS	1.0	12:00- 3:00	TTH
P	CHY 411	01	7	SPECIAL TOPICS	CAS	1- 3.0		A
P	CHY 412	01	7	SPECIAL TOPICS	CAS	1- 3.0		A
P	CHY 413	01	7	SPECIAL TOPICS	CAS	1- 3.0		A
P	CHY 414	01	7	SPECIAL TOPICS	CAS	1- 3.0		A
P	CHY 415	01	7	SPECIAL TOPICS	CAS	1- 3.0		A
P	CHY 490	01	7	SENIOR RESEARCH PROJECT	CAS	1-15.0		A
COMMUNICATION								
P	COM 102J	01	5	INTRO TO COMMUNICATION	CAS	3.0	8:15-11:30	TTH
P	COM 102J	02	1	INTRO TO COMMUNICATION	CAS	3.0	4:00- 6:40	TTH
P	COM 102J	03	4	INTRO TO COMMUNICATION	CAS	3.0	7:00- 9:40E	MW
P	COM 150	01	1	BUSINESS COMMUNICATION	CAS	3.0	4:00- 6:40	MW
G	COM 340	01	2	SMALL GROUP COMMUNICATION	CAS	3.0	8:15-11:30	MTW
G	COM 430	01	2	INTERNSHIP	CAS	1-15.0		A
P	COM 485	01	1	SEX DIFFERENCES	CAS	3.0	4:00- 6:40	MW
CORE CURRICULUM								
P	COR 103	01	2	REVOLUTION IN THE ARTS	CAS	3.0	4:00- 7:00	MTW
CRIMINOLOGY								
P	CRM 215	01	2	CRIMINOLOGY	CAS	3.0	8:15-11:30	MTW
X	CRM 399	01	7	CRIMINOLOGY IN SWEDEN	CAS	6.0		A
THIS COURSE IS GIVEN MAY 11TH-MAY 30TH								
CONTACT SUMMER SESSION OFFICE AT 780-4076								
ENGLISH								
P	ENG 100G	01	1	COLLEGE WRITING	CAS	3.0	7:00- 9:40E	MW
P	ENG 100C	02	2	COLLEGE WRITING	CAS	3.0	12:30- 3:45	MTW
P	ENG 100C	03	4	COLLEGE WRITING	CAS	3.0	4:00- 6:40	TTH
P	ENG 120H	01	2	INTRO TO LITERATURE	CAS	3.0	8:15-11:30	MTW
P	ENG 120H	02	1	INTRO TO LITERATURE	CAS	3.0	4:00- 6:40	MW
P	ENG 120H	03	4	INTRO TO LITERATURE	CAS	3.0	7:00- 9:40E	TTH
P	ENG 161H	01	2	FICTION-THE GENRE	CAS	3.0	8:15-11:30	MTW
P	ENG 201F	01	1	CREATIVE WRITING	CAS	3.0	7:00- 9:40E	TTH
P	ENG 209	01	4	BUSINESS & REPORT WRITING	CAS	3.0	7:00- 9:40E	TTH
P	ENG 210	01	4	NEWS WRITING	CAS	3.0	7:00- 9:40E	MW
P	ENG 260	01	5	SHAKESPEARE	CAS	3.0	8:15-11:30	TTH
P	ENG 291	01	3	MODERN AGE AMERICA	CAS	3.0	12:30- 3:45	MTW
G	ENG 302F	01	7	FICTION WORKSHOP	CAS	3.0	9:30-12:00	MTWTHF
THIS COURSE IS GIVEN AUGUST 2ND-AUGUST 14TH								
CONTACT KEN ROSEN AT 780-4291								

TOWN	COURSE	SEC	SESS	COURSE TITLE	COL	CR HRS	TIME	DAYS
O	ENG 303F	01	7	POETRY WORKSHOP	CAS	3.0	9:30-12:00	MTWTHF
THIS COURSE IS GIVEN AUGUST 2ND-AUGUST 14TH								
CONTACT KEN ROSEN AT 780-4291								
G	ENG 304	01	7	WRITING THE CONTEMP NOVEL	CAS	3.0	9:30-12:00	MTWTHF
THIS COURSE IS GIVEN AUGUST 2ND-AUGUST 14TH								
CONTACT KEN ROSEN AT 780-4291								
P	ENG 382	01	2	19TH CENTURY AMER NOVEL	CAS	3.0	12:30- 3:45	MTW
P	ENG 389	01	4	WRITERS OF MAINE	CAS	3.0	7:00- 9:40E	MW
P	ENG 392	01	1	20TH CENT BRITISH NOVELS	CAS	3.0	4:00- 6:40	TTH
FOREIGN LANGUAGES & CLASSICS								
P	FRE 107	L1	5	INTENSIVE BEGIN FRE LAB	CAS	2.0	8:30- 9:15	MTWTHF
P	FRE 107	01	5	INTENSIVE BEGIN FRENCH	CAS	6.0	9:30-12:45	MTWTHF
STUDENTS MUST ALSO REGISTER FOR LAB								
P	FRE 464	01	5	20TH CENTURY FRENCH LIT	CAS	3.0	8:15-11:30	MW
P	GER 107	L1	5	INTENSIVE BEGIN GER LAB	CAS	2.0	8:30- 9:15	MTWTHF
P	GER 107	01	5	INTENSIVE BEGIN GERMAN	CAS	6.0	9:30-12:45	MTWTHF
STUDENTS MUST ALSO REGISTER FOR LAB								
P	SPA 199	L1	5	INTENSIVE BEGIN SPA LAB	CAS	2.0	11:45-12:30	MTWTHF
P	SPA 199	01	5	INTENSIVE BEGIN SPANISH	CAS	6.0	8:15-11:30	MTWTHF
STUDENTS MUST ALSO REGISTER FOR LAB								
GEOGRAPHY & ANTHROPOLOGY								
G	GEO 120J	01	3	GEOGRAPHY OF MAINE	CAS	3.0	8:15-11:30	MTW
X	GEO 206	01	7	GEOGRAPHY FIELD CAMP	CAS	3.0		A
THIS COURSE IS GIVEN MAY 11TH-MAY 22ND								
CLASS WILL BE HELD AT RECOMPENCE CAMPSITES								
CONTACT SUMMER SESSION OFFICE AT 780-4076								
G	GEO 400	01	7	INDEPENDENT STUDY	CAS	1-15.0		A
THIS COURSE IS GIVEN MAY 11TH-AUGUST 14TH								
X	CYA 300	01	7	ARCHEOLOGY FIELD SCHOOL	CAS	6.0		A
THIS COURSE IS GIVEN MAY 11TH-JUNE 19TH								
CLASS WILL BE HELD AT RECOMPENCE CAMPSITES								
CONTACT SUMMER SESSION OFFICE AT 780-4076								
GEOSCIENCES								
P	GEY 111K	01	1	PHYSICAL GEOLOGY	CAS	3.0	7:00- 9:40E	TTH
G	GEY 350	01	7	GEOLOGICAL FIELD METHODS	CAS	6.0	8:30- 5:00	MTWTHF
THIS COURSE IS GIVEN JUNE 1ST-JULY 3RD								
CONTACT STEVE POLLOCK AT 780-5351								
G	OCE 100K	01	2	INTRO TO OCEANOGRAPHY	CAS	3.0	8:15-11:30	MTW
G	OCE 100K	02	4	INTRO TO OCEANOGRAPHY	CAS	3.0	4:00- 6:40	MW
G	OCE 101K	01	2	OCEANOGRAPHY LABORATORY	CAS	1.0	12:30- 3:45	MTW
G	OCE 101K	02	4	OCEANOGRAPHY LABORATORY	CAS	1.0	7:00- 9:00E	MW
HISTORY								
P	HTY 101I	01	1	WESTERN CIVILIZATION I	CAS	3.0	7:00- 9:40E	MW
P	HTY 102I	01	4	WESTERN CIVILIZATION II	CAS	3.0	7:00- 9:40E	MW
P	HTY 131I	01	1	U.S. HISTORY TO 1877	CAS	3.0	7:00- 9:40E	TTH
P	HTY 132I	01	4	U.S. HISTORY SINCE 1877	CAS	3.0	7:00- 9:40E	TTH
P	HTY 300	01	7	HISTORY INTERNSHIP	CAS	3.0		A
THIS COURSE IS GIVEN MAY 11TH-AUGUST 14TH								
P	HTY 307	01	2	CIVIL WAR RECONSTRUCTION	CAS	3.0	8:15-11:30	MTW
P	HTY 321	01	1	HISTORY OF MAINE	CAS	3.0	7:00- 9:40E	MW
P	HTY 325	01	1	HISTORY OF AMER FRONTIER	CAS	3.0	4:00- 6:40	TTH
P	HTY 348	01	3	RELIGION IN AMERICA	CAS	3.0	8:15-11:30	MTW
P	HTY 498	01	7	INDEPENDENT STUDY	CAS	1-15.0		A
P	HTY 534	01	7	MAINE HISTORY AND TRAVEL	CAS	3.0		A
THIS COURSE IS GIVEN JUNE 22ND, 26TH, JULY 10TH, 17TH								
(1:00-5:00) JUNE 27TH, JULY 11TH, 18TH (8:30-5:00)								
MATHEMATICS								
G	MAC 100	01	1	COMPUTERS AND SOCIETY	CAS	3.0	4:00- 6:40	MW
G	MAC 100	02	7	COMPUTERS AND SOCIETY	CAS	3.0	12:30- 3:45	MT







