



# the free press

University of Southern Maine Student Newspaper

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## 2014 Summer Issue

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*Inside this issue:*

Letter from the Editor • Top ways to save money • Campus work study guide



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## Letter from the Editor



Welcome to USM and welcome to your newspaper, folks.

The Free Press publishes 22 issues over the spring and fall semesters each year and our goal is to keep you updated on what's happening on campus. Whether we're covering issues on the administrative-level, an interesting student who's doing incredible things on or off-campus or keeping you keen on the local arts scene, we're here for you.

This newspaper is partially funded by the student activity fee, which means you have a say in what happens at the office. While this summer issue is packed full with USM's fall course guide, come this September these pages will be filled with interesting stories from our writers. If you see anything you love or absolutely hate, let us know. Like us on Facebook and follow us on Twitter to comment on our content. You can even send a letter to me to be published in print if anything really gets you going.

By the way, this newspaper is entirely student-run. Our writers, photographers, designers, copy-editors, advertising executives and every position in between are all students. And you can get involved if you'd

like, too. Check out our website at [USMFreePress.org](http://USMFreePress.org) and find the jobs section to see what we have available. Whatever you'd like to do, we can find a spot for you. And you can get paid if you have federal work-study funds or apply to be an editor.

Getting involved at the Free Press has been one of the most fulfilling things I've ever done, although I never expected to get so involved.

When I was a freshman at a summer orientation session, I told a Free Press staffer that I would love to get involved with the newspaper. I was supposed to attend a budget meeting one Monday morning, but I wasn't into trying to find the office in Portland, so I didn't show up and spent the rest of the year binge playing Halo 3 and actually doing my school work.

At the end of that year I applied to be an editor, wrote a piece on 'things to do' in Gorham and, for whatever reason, got the job. One of my first pieces as editor was a album review on some Matchbox 20 album that former arts editor Kevin Steeves told me not to print at all.

I don't know how it happened, but I started picking up more responsibilities here and there and now I'm the Editor-in-Chief. One day I offered to go pick up pizza and the next thing I knew I was on the editorial board and had opinions on faculty-student ratios and state appropriations for public higher education.

You're going to hear a lot of USM staff tell you how important it is to get involved this summer, and even throughout your entire freshman year. While it may seem like a university-ploy to get you in more photos on the university website, I'm here to tell you, as a student, that getting involved is key to enjoying

your college experience.

I don't remember much of my freshman year. And no, that's not because I spent all of my time binge drinking. Being a part of a group with other students with similar interests is a great way to meet new people, have a bit of fun and figure out what you want to do post-graduation.

Working at the Free Press, I've gone to conferences in New York City and the University of Georgia, meeting like-minded students from across the country. I've met and gotten to know a handful of media professionals in southern Maine, which has helped me get an internship with the Bangor Daily News.

Even if it's not the Free Press you choose to work with (we really wish you would), there are plenty of groups on campus that would benefit you and benefit from having you involved. From WMPG community radio, Gorham and Portland Events Boards and Poetry Club, to the Accounting Society, Greek Life and the Multicultural Students Association, there will be a place for you at USM. And if there isn't, make one.

I guess what I'm trying to say is that college is going to be what you make it. You can float through courses, go through the motions and get a degree, or have a little fun and get more out of the experience.

Good luck and enjoy. I hope to see you in the fall. Feel free to email me at [sam@usmfreepress.org](mailto:sam@usmfreepress.org) if you have any questions about the Free Press, USM or anything else.

Sam Hill, Editor-in-Chief

## the free press

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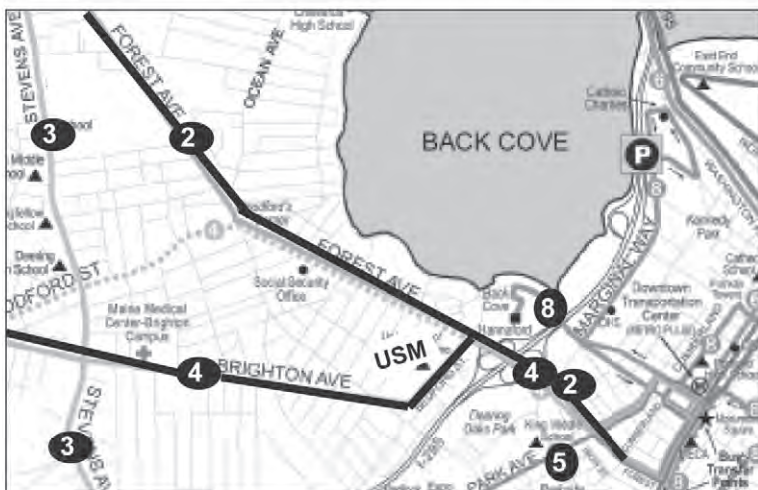
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### Editorial & Advertising Policies

The Free Press is a weekly student-run newspaper paid for in part with the Student Activity Fee. • We reserve the right to edit or refuse all materials submitted or solicited for publication. • Columns do not reflect the opinions of The Free Press or its staff. • Guest commentaries are sometimes solicited or accepted from members of the USM community; they may not exceed 700 words. • We have a gender-neutral language policy. • One copy of The Free Press is available free of charge. Up to 10 additional copies are available for 25 cents each at the office of The Free Press, 92 Bedford St., Portland, Maine. • To advertise, contact our Advertising Manager at 207.780.4084 x8. • We reserve the right to reject advertising. We will not accept discriminatory ads. • We welcome letters to the editor. They must be submitted electronically, include the author's full name, school year or relationship to USM, and may not exceed 350 words without prior approval from the Editor-in-Chief. • The deadline for all submissions is Wednesday at 5 p.m. preceding the week of publication. Send submissions to [editor@usmfreepress.org](mailto:editor@usmfreepress.org).

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# Fall 2014 Course Guide





<b>EYE: Entry Year Experience</b>		<b>Socio-cultural Analysis</b>		<b>Spring 2014 Course Descriptions</b>		unconsciously. This course requires a four-hour field placement working with youth with exceptionalities. Cr 3		<b>ARS 199 Exploring Careers in Lib Arts</b> No description available. Cr 1.	
EYE 102	Sustainability, Culture, and Environment	ANT 101	Anthropology: The Cultural View	<b>ABU 190 Spreadsheets and Problem Solving</b> An examination of problem-solving techniques using modern computer applications software. Primary focus is on the use of electronic spreadsheets as a problem-solving tool, including proper spreadsheet model design and the use of appropriate graphical representation of model results. Other computer problem-solving software is examined. Interpretation and effective communication of results, both written and oral, are practiced. Prerequisite: MAT 101 (C- or higher) or equivalent proficiency and computer literacy. Cr 3		<b>AED 221 Practicum in Art Education</b> An introduction to art education theories and processes through readings, writings, discussion, and observation. The examination of the relationship between art-making and learning is relevant to prospective art and classroom teachers. All AED students (k-12 certification and community arts) are recommended to successfully complete a minimum of 2 semesters of art lab prior to their capstone. Art lab should be taken concurrently with AED 221. Prerequisites: sophomore standing or above and ART 141; ART 142; ART 151; ARH 111; ARH 112. Cr 3.		<b>ART 141 Surface, Space, Time 2D</b> Provides an introduction to the fundamentals of 2 D design and color theory through a series of exercises and applied problems in visual organization. Cr 3.	
EYE 105	Life is a Matrix	ANT 201	Human Origins						
EYE 108	Culture, Identity and Education	ANT 233	Food and Culture						
EYE 112	The Built Environment: Energy	CLA 291	The Golden Age of Greece						
EYE 116	Nature/Nurture	CMS 102	Introduction to Communication						
EYE 117	Nature, Society & Self	CRM 100	Introduction to Criminology						
EYE 118	Musician's Health: A Path to Peak Performance	ECO 101	Introduction to Macroeconomics						
EYE 125	Getting Down to More Sustainable Business	ECO 102	Introduction to Microeconomics						
EYE 126	What is Race?	ECO 106	Economics of Social Change						
EYE 127	Friendship	ENG 230	Literacy Studies						
HON 101	Myth, Monsters & Metamorphoses	GEO 101	Human Geography	<b>ACC 110 Financial Accounting Information for Decision Making</b> This course is designed to help students appreciate the role of accountants in providing information helpful to decisions of investors, creditors, government regulators, and others, and how that information can be used. Emphasis is on understanding the meaning and value of the balance sheet, income statement, and statement of cash flows. The role of the auditor, internal controls, and ethical issues are examined. The annual report is used to explore how corporations apply accounting principles in presentations to the public. Prerequisites: minimum of 12 earned credit hours and evidence of successfully meeting the University's writing and mathematics proficiency requirements. Cr 3		<b>AED 421 Seminar in Art Education</b> This seminar examines art curriculum design and evaluation. Critical issues in art education for the emerging art education professional today are explored through discussion, writings, and readings. This courses is to be taken while student tea- ching. Recommended: 2 semesters (minimum of 2 credits) of Art lab. Prerequisite: AED 321. Cr 3.		<b>ANT 101 Anthropology: The Cultural View</b> This course is a basic introductory survey of cultural anthropology. It examines the differences between cultures as well as cultural universals, and the relationship between social organization, ideology, economics, and political structure in different types of societies. It review the various theoretical approaches in cultural anthropology's attempt to explain human behavior, presenting examples from foraging, farming, and contemporary industrial societies through readings and films. Cr 3.	
HON 101	Literature and Medicine	GEO 203	Urban & Regional Development						
HON 101	Nature, Society & Self	GER 201	Intermediate German I						
LCC 123	College and Community I	HRD 200	Human Growth and Development						
RSP 103	Russell Scholars Seminar: Culture, Community & the Environment	HTY 101	Western Civilization I						
<b>College Writing</b>		HTY 102	Western Civilization II						
ENG 100	College Writing	HTY 121	U.S. History to 1800						
ENG 101	Independent Writing	HTY 122	U.S. History to 1900						
ESL 100	College Writing	HTY 123	U.S. History since 1900						
HON 100	Writing in Honors	HTY 141	African American History to 1865						
LCC 110	Language and Literacies	HTY 171	Traditional East Asia						
RSP 100	College Writing	HTY 182	Latin America II						
<b>Quantitative Reasoning</b>		HUM 301	French North America	<b>ACC 211 Managerial Accounting Information for Decision Making</b> This course will provide students with the opportunity to learn basic concepts and accounting systems involved in the use of managerial accounting information in making planning and control decisions in organizations. Basic concepts include different types of costs (e.g., direct, indirect, fixed, variable, and relevant costs). Basic accounting systems include systems for cost allocation (e.g., job-order costing, activity based costing), planning (e.g., cost-volume-profit analysis, master budget), and control (e.g., flexible budgets, variance analysis, responsibility accounting, performance measurement). Prerequisites: ACC 110 and sophomore standing. Cr 3		<b>ANT 199 Topics</b> No description available. Cr 3.			
LCC 150	Statistics for Informed Decision Making	HUM 325	World History and Geography I						
MAT 105	Mathematics for Quantitative Decision Making	LCC 220	US Democracy: Origins & Development						
MAT 120	Introduction to Statistics	LIN 185	Language, Mind, and Society						
MAT 140	Pre-Calculus Mathematics	LIN 201	Language Acquisition						
MAT 148	Applied Calculus	POS 101	Introduction to American Government						
MAT 152	Calculus A	POS 104	Introduction to International Relations						
MAT 210	Business Statistics	POS 205	Introduction to Comparative Politics						
PSY 105	Statistics in Psychology	SBS 200	Human Growth and Development						
SOC 307	Quantitative Research Methods	SOC 100	Introduction to Sociology						
<b>Creative Expression</b>		SOC 210	Critical Thinking about Social Issues						
ART 141	Surface, Space, Time 2D	SWO 250	Introduction to Social Welfare	<b>ACC 221 The Financial Accounting Cycle</b> This course serves as a "bridge" between the introductory level (user-focused) financial accounting course and Financial Reporting I, which is required for the accounting major. The course reviews the accounting cycle: the journal entries for typical business transactions including adjusting and closing entries, and the preparation of accounting statements including preparation of a complete accounting cycle exercise. The course must be completed prior to enrollment in ACC 301/501. Prerequisite: ACC 110 (C- or higher) or MBA 502. Cr 1		<b>ANT 201 Human Origins</b> This course focuses on the fossil and cultural evidence for human evolution. Topics to be covered include evolutionary theory, primate behavior, hominid origins, the taxonomy and phylogenetic relationships of fossil hominids, Pleistocene cultural adaptations, and the origin of modern Homo sapiens. The relationship between biology, geography, and culture is explored using the skeletal and archaeological evidence for human evolution. Cr 3.		<b>ARH 111 Art History: Prehistoric through Medieval</b> Examination and discussion of the painting, sculpture, and architecture from prehistoric cultures to the late Middle Ages. The course emphasizes the relationship of the visual arts to social, political, religious, and cultural trends, and introduces students to various methods of art-historical interpretation. Prerequisite: College Writing or equivalent. Preference given candidates for matriculation in the Department of Art, or those with permission of the instructor. Cr 3.	
ART 151	Fundamentals of Perceptual Drawing	THE 201	Cultural History of Theatre						
CMS 150	The Writing Process	WGS 101	Introduction to Women and Gender Studies						
ENG 201	Creative Writing	<b>Ethical Inquiry, Social Responsibility, &amp; Citizenship</b>							
HON 175	Oral Interpretation of Texts	ADS 300	Ethics & Youth with Exceptionalities						
HUM 105	Basic Photography	CLA 384	What Would Antigone Do?						
LCC 250	Thinking About Art, Thinking Through Art	CMS 323	Understanding Technology						
MUS 110	Fundamentals of Music	EDU 310	What is the Purpose of Schooling in a Democracy?						
THE 102	Acting for Non-majors	ENG 348	Topics in Interdisciplinary Studies						
THE 103	Contemporary Dance I	HON 310	Honors Global Ethical Inquiry						
THE 106	Practicum in Stagecraft	LCC 370	Toward a Global Ethics						
THE 135	Stagecraft	MUE 310	ProSeminar V Teaching Internship						
THE 170	Public Speaking	MUH 329	Devils, Dwarves, and Dragons						
THE 175	Oral Interpretation of Texts	PHI 240	Political Philosophy						
<b>Cultural Interpretation</b>		PHI 291	Death & Dying						
ARH 111	Art History: Prehistoric through Medieval	PHI 295	Medicine, Madness & Disease						
ARH 112	Art History: Renaissance to the Present	POS 280	Issues Before the United Nations						
ASL 201	Intermediate American Sign Language I	WGS 380	The Politics of Difference						
ENG 145	Topics in Literature	<b>Diversity</b>							
FRE 201	Intermediate French I	EDU 305	Foundations of Cultural and Linguistic Diversity						
HUM 385	Global Past, Global Present	HTY 141	African American History to 1865						
LCC 200	Creative Critical Inquiry into Modern Life	LIN 185	Language, Mind, and Society						
MUH 222	Music History Survey I	NUR 339	Community Nursing Partnerships I						
MUS 100	Music Appreciation and History	NUR 341	Community Nursing Partnerships II						
MUS 103	Introduction to Jazz	NUR 419	Community Nursing Partnerships for RNs						
PHI 106	Introduction to Philosophy: Why Philosophize?	NUR 436	Community Nursing Partnerships for Accelerated B.S.Students						
PHI 107	Introduction to Philosophy: World Philosophy	POS 104	Introduction to International Relations						
SPA 201	Intermediate Spanish I	POS 280	Issues Before the United Nations						
SPA 352	Readings in Modern Latin American Literature	SED 335	Students with Exceptionalities in General Education						
THE 101	Introduction to Theatre	SWO 365	Examining Oppression and Valuing Diversity						
THE 204	Dress and Self Image	THE 201	Cultural History of Theatre						
WGS 201	Women, Knowledge, and Power	WGS 101	Introduction to Women and Gender Studies						
<b>Science Exploration</b>		WGS 201	Women, Knowledge, and Power						
AST 100	Astronomy	WGS 380	The Politics of Difference						
AST 103	Astronomy: Activities and Experiments	<b>International</b>							
BIO 103	Introduction to Marine Biology	ARH 111	Art History: Prehistoric through Medieval						
BIO 104	Marine Biology Laboratory	ARH 112	Art History: Renaissance to the Present						
BIO 107	Biological Principles II: Evolution, Biodiversity, Ecology	BUS 361	International Marketing						
CHY 113	Principles of Chemistry I	EDU 310	What is the Purpose of Schooling in a Democracy?						
CHY 114	Laboratory Techniques I	GEO 101	Human Geography						
ESP 101	Fundamentals of Environmental Science	GEO 103	Human-Environmental Geography						
ESP 102	Fundamentals of Environmental Science Lab	GEO 203	Urban & Regional Development						
GEY 100	Volcanoes, Earthquakes, and Moving Plates	GEO 481	Megacities and Global Planning Issues						
GEY 101	Lab Experiences in Geology	HON 301	Honors Global Ethical Inquiry						
GEY 103	Floods, Glaciers & Changing Climate	HTY 171	Traditional East Asia						
GEY 105	Ocean Planet	HTY 182	Latin America II						
GEY 106	Ocean Planet Laboratory	ITP 230	Project Management						
HON 200	Honors Science Exploration	MUH 222	Music History Survey I						
LCC 230	Environmental Science, Policy, Sustainability with Lab	POS 104	Introduction to International Relations						
PHY 101	Introduction to Physics	POS 280	Issues Before the United Nations						
PHY 102	introduction to Physics Lab.	THE 201	Cultural History of Theatre						
PHY 111	Elements of Physics I	<b>ART 151 Fundamentals of Perceptual Drawing</b>							
PHY 114	Introductory Physics Lab I	An introduction to the basic skills and approaches to perceptual drawing. This course develops students' visual awareness and understanding of the range of drawing materials and techniques. Students will develop responses to the visual environment employing varied stylistic and technical approaches. Exercises include still life, figure study, and landscape. Cr 3.							
PHY 121	General Physics I	<b>ART 222 Digital Art &amp; Design II</b>							
SCI 170	Human Anatomy & Physiology I	An introduction to time-based art in a working studio environment. The class moves from basic principles of 2-D design to animation, interactivity and other principles of timebased art. The course will provide an overview of element, principles and theories of art and visual design as related to digital media. Prerequisite: ART 141; ART 142; ART 151; ARH 111; ARH 112 or permission of the instructor. Cr 3.							
SCI 171	Human Anatomy & Physiology I Laboratory	<b>ART 231 Introduction to Ceramics I</b>							
		An introduction to methods and processes of clay forming, including historical context, modeling, press molding, hand-building, and the potter's wheel. Emphasis on form and texture, with aspects of glaze composition and firing procedures. Prerequisite: ART 141; ART 142; ART 151; ARH 111; ART 112 or permission of the instructor. Cr 3.							
		<b>ART 251 Drawing: Media and Strategies</b>							
		This course explores various drawing processes combining media, color and colored grounds and supports, to expand students' conceptual image-making skills. Emphasis will be placed on the role of subject matter and imagery though examination of historical and contemporary art. Prerequisites: ART 141; ART 142; ART 151; ARH 111; ARH 112 or permission of the instructor. Cr 3.							
		<b>ART 261 Painting: Water-based Media</b>							
		An introduction to the basics of water-based media. Students will gain a working knowledge of the materials and techniques of painting, its various supports and grounds and pigments. Work is primarily from observation and will include still life, figure and landscape. Studies will focus on physical properties of color and color mixing, principles and concepts of spatial organization, and pictorial form. Prerequisites: ART 141; ART 142; ART 151; ARH 111; ARH 112 or permission of the instructor. Cr 3.							
		<b>ART 271 introduction to Photography I</b>							
		An introduction to traditional analog black-and-white photography. Students will earn camera operation, the principles of film, exposure, developing and printing in the darkroom. These technical skills will be taught in conjunction with an introduction to the historical, stylistic, and visual communication characteristics of photography. Through specific assignments and creative experimental projects students will be encouraged to develop and expand their understanding of technical and aesthetic possibilities. A35mm manual camera is required. Prerequisite: ART 141; ART 142; ART 151; ARH 111; ARH 112 or permission of instructor. Cr 3.							
		<b>ART 281 Introduction to Printmaking: Intaglio &amp; Relief</b>							
		This course introduces intaglio and relief printmaking techniques. The class includes traditional dry and wet processes for intaglio such as dry point, engraving, etching, and aquatint. It also addresses color printing methods for linoleum and woodcut. Prerequisite: art foundation or permission of instructor. Cr 3.							
		<b>ART 291 Sculpture: Additive and Subtractive Processes</b>							
		An introduction to fundamental processes of sculpture including additive and subtractive techniques. Prerequisite: ART 141; ART 142; ART 151; ARH 111; ARH 112 or permission of instructor. Cr 3.							



subtractive processes. These will include observational modeling, aggregate forming and casting, basic mold-making and carving and studio safety. Students will become acquainted with contemporary and historical approaches through ongoing studio work, process centered projects, demonstrations, critiques, individual and group discussions, and readings. (Fall semester) Cr 3.

#### ART 312 topics in Studio Art

A course on selected topics in studio arts. May be repeated for credit when topics vary. Prerequisite: Two ART 200 level courses or permission of instructor. Cr 3.

#### ART 361 Intermediate Painting: The Figure

Course focuses on figure study in oil and water-based media. Students are encouraged to develop personal interpretations. Emphasis is on exploring paint and techniques in the western tradition. Frequent sessions working from the model. Prerequisite: ART 261. Cr 3.

#### ART 371 Color Photography

This course will broaden and refine students' practice in black and white analog photography, aesthetic decision making language, contemporary strategies, and critical analysis of fine art photography. Students will work with medium and large format cameras and learn studio lighting, advanced exposure techniques, advanced black and white printing controls, film scanning, experimental and non-silver photographic processes, including cyanotype, students will create an online presence of their images. Prerequisite: ART 271. Cr 3.

#### ART 391 topics in Sculpture

Students will develop a deepening sculpture capacity through projects/ readings/discussions and presentations around specific sculptural approaches to issues in contemporary art and society. These will be semester long projects that engage subject matter, content, design and technique. Prerequisite: ART 291 and ART 292 or permission of instructor. Cr 3.

#### ART 407 Advanced Problems in Art

An opportunity for the student to do advanced work in the discipline of his/her choice, culminating in a related project. Prerequisite: permission of instructor and Art Department Chair. Cr 1-6.

#### ART 420 Advanced Studio in Digital Art I

Students will work with the instructor to develop a digital art project based upon their interests and goals as a digital artist. Aesthetic, theoretical, and historical issues related to digital art an electronic media will be discussed. Prerequisites: ART 221 and at least one 300-level digital art course. Cr 3.

#### ART 421 Advanced Studio in Digital Art II

Students will further refine the skills acquired in Advanced Studio in Digital Art I. A semester-long capstone experience will be designed and completed by each student. Course may be repeated twice for credit. Prerequisite: ART 420. Cr 3.

#### ART 431 Advanced Ceramics I

Students work in a series, research and present information on a ceramic artist, and perform tests and experiments in forming clay, firing kilns, and glazing. Students are expected to fire all kilns, mix glazes, and keep accurate records of their development. Prerequisite: ART 332. Cr 3.

#### ART 432 Advanced Ceramics II

Students focus on the evolution of earlier studies into a series of work that may be used for the senior exhibition. Students' research and present information about a ceramic artist, load and fire all kilns, mix glazes, and are encouraged to enter competitions and arrange a portfolio. Course may be repeated twice for credit. Prerequisite: ART 431. Cr 3.

#### ART 451 Advanced Drawing I

Course focuses on drawing in series and developing a conceptual approach to a long-term drawing project. Students will expand their technical skills and individual creative vision in relation to historical and contemporary artistic examples. Prerequisite: ART 351 or ART 352. Cr 3.

#### ART 452 Advanced Drawing II

Advanced students will develop and refine a final drawing project either in series or a process-oriented approach culminating in an integrated body of work either for senior exhibition or publication. Course may be repeated twice for credit. Prerequisites: ART 351 or 352. Cr 3.

#### ART 461 Advanced Painting I

This course for advanced painting student will stimulate individual vision through series and thematic projects devoted to expanding expressive, conceptual and technical abilities. Students will study historical and

contemporary artists as an adjunct to enlarging their own creative interests and awareness. Prerequisite: ART 361 or ART 362. Cr 3.

#### ART 462 Advanced Painting II

Continued investigation of the painting process to express personal themes in the context of a senior thesis exhibition. Emphasis is on individual concepts and personal expression. The thesis project will be developed within a dedicated workspace with individual critiques by joint faculty and visiting critics. A writing component will accompany the final preparation of the thesis. Course may be repeated twice for credit. Prerequisite: ART 361 or ART 362. Cr 3.

#### ART 471 Advanced Photography I

Students will develop a photographic project that emphasized their interests and goals as visual artist. Individual group critiques will explore and evaluate students' strategies and choices in respect to intention, investigation, discovery, judgment, and final production of imagery. Readings, lectures, and presentation will further inform student decisions and directions. Prerequisite: ART 372 or permission of instructor.

#### ART 472 Advanced Photography II

Students will further refine the skills acquired in the first semester of advanced photography. A semester-long project will be designed and completed by each student. Course may be repeated twice for credit. Prerequisite: ART 471. Cr 3.

#### ART 481 Advanced Printmaking I

This class is intended for students who are proficient in two or more methods of printmaking (relief, intaglio, lithography, screen printing, or experimental methods). Students will refine their technical skills while pursuing in-depth investigation of subject matter and imagery. Knowledge and practice of image-making as both an aesthetic and conceptual activity will be addressed. Prerequisite: permission of the instructor, or two course from ART 281, ART 282, ART 381, and ART 382. Cr 3.

#### ART 482 Advanced Printmaking II

This class is for the student who can work proficiently in two or more methods of printmaking. Students are expected to develop their imagery based on well-conceived ideas, which can be successfully expressed in one or more printing techniques. Experimentation with new techniques is encouraged, as is an exploration of combining several methods of printmaking effectively in one print. Students develop and pursue independent portfolio projects. Course may be repeated twice for credit. Prerequisite: ART 481. Cr 3.

#### ART 491 Advanced Sculpture

Continuation of intermediate Sculpture with emphasis on the pursuit of personal imagery. Course may be repeated twice for credit. Prerequisites: ART 391 and ART 392. Cr 3.

#### ART 492 Advanced Sculpture

Continuation of intermediate Sculpture with emphasis on the pursuit of personal imagery. Course may be repeated twice for credit. Prerequisites: ART 391 and ART 392. Cr 3.

#### ASL 101 Beginning American Sign Language I

This is a beginning course in American Sign Language (ASL). It will include extensive study of receptive and expressive use of ASL, as well as an introductory discussion of Deaf culture. Course content covers basic principles in the use of sign, sign vocabulary, and aspects of the grammar of ASL. In addition to class sessions, student will use written and videotape materials out of class. Cr 4.

#### ASL 201 Intermediate American Sign Language I

This is the third in a four-course sequence in American Sign Language (ASL). The course includes extensive work on receptive and expressive use of ASL. It emphasizes the grammatical structure of ASL, particularly its morphology, syntax, and semantics. In addition to class sessions, students will use written and videotape materials out of class. Prerequisite: ASL 102 or departmental permission. Cr 4.

#### ASL 401 Advanced American Sign Language I

This is the fifth in a sequence of courses in American Sign Language. This course focuses on advanced expressive skills, including explaining, rephrasing, demonstrating, and persuading. Grammatical principles and functions will be emphasized. Aspects of grammar that will be expanded include classifiers, conditional sentences, rhetorical questions, and relative clauses. Appropriate cultural behaviors and conversational regulators in ASL will continue to be an

important part of class. Prerequisite: grade of at least B in ASL 202 or equivalent, and a rating of 2 or better on the ASLA or ASLPI. Cr 4.

#### AST 100 Astronomy

A descriptive survey of modern astronomy. Topics include theories about the origin and development of the universe, stellar evolution, the solar system, galaxies, observational methods and recent discoveries. No prerequisite. Cr 3.

#### AST 103 Activities and Experiments

A one-credit course meeting weekly for two hours. May be taken concurrently with AST 100 to fulfill requirements for a science laboratory experience. Includes exercises on the Moon's orbit, Earth's orbital motion, rotation of Saturn's rings, the Sun, the Crab Nebula, variable stars, pulsars, Hubble's law, and galaxies. Two planetarium sessions. Prerequisite: Prior or concurrent registration in AST 100. Cr 1.

#### BIO 103 Introduction to Marine Biology

Selected groups of marine plants and animals are used to develop an understanding of biological processes and principles that are basic to all forms of life in the sea. Integrated in the course are aspects of taxonomy, evolution, ecology, behavior, and physiology. Intended primarily for students selecting a laboratory science to satisfy the Core curriculum or for those students not intending to take other courses in the biological sciences. Cr 3.

#### BIO 104 Marine Biology

An examination of prototype organisms will be used to illustrate their varied roles in the ocean. Prior or concurrent registration in BIO 103. Cr 1.

#### BIO 105 Biological Principles I: Cellular Biology

This is an introduction to the scientific principles of molecular biology, cell biology, and genetics. Prerequisite: students must have fulfilled the University minimum proficiency requirements in writing and mathematics.

#### BIO 106 Laboratory Biology

Laboratory experiences illustrating concepts and principles introduced in BIO 105. Concurrent enrollment in BIO 105 is highly recommended. Prerequisite: grade of C- or higher or proficiency requirements in writing and mathematics. Cr 1.5.

#### BIO 107 Biological Principle II: Evolution, Biodiversity, and Ecology

This is an integrated lecture-laboratory course introducing students to the scientific principles of evolution, biodiversity, and ecology. The lecture and laboratory each meet three hours weekly. Prerequisites: grade of C- or higher in Bio 105 and BIO 106. Cr 4.5.

#### BIO 109 Biological Principles III: Functional Biology

This is an introduction to the scientific principles of structure and function in plants and animals. Prerequisite: grade of C- or higher in BIO 107.

#### BIO 111 Human Anatomy and Physiology I

This course is the first semester of a two-semester sequence concerning the structure and function of the human body. The course focuses on the study of cell chemistry, cell physiology, tissues, integumentary system, skeletal system, muscle system, and nervous system. Prerequisite: satisfactory completion of minimum proficiency requirements. Cr 3.

#### BIO 112 Practical Human Anatomy and Physiology I

Laboratory experiences illustrating concepts and principles introduced in BIO 111. The course will cover the following topics: metrics, language of anatomy, cell physiology, tissues, integumentary system, skeletal system, muscular system, and nervous system. Prerequisite: Bio 111 or concurrent. Cr 1.5.

#### BIO 201 Genetics

This is a study of the molecular basis of heredity and methods of genetic analysis. Prerequisites: grade of C- or higher in BIO 107 or BIO 211 and 212, and CHY 115; or permission of instructor. Cr 3

#### BIO 231 Botany

A study of structure, function, development, reproduction, and environmental adaptations of representative non-vascular and vascular plants. Lecture three hours/week; one three-hour laboratory/week. Prerequisite: grade of C- or higher in BIO 107 or permission of instructor. Cr 4.5

#### BIO 281 Microbiology and Human Disease

Fundamentals of microbiology with emphasis on infectious diseases of people, including bacteria, rickettsia, fungi, viruses, protozoa and helminthes. Prerequisites: grade of C- or

higher in BIO 105 or BIO 111, and CHY 107. Cr 3

#### BIO 282 Microbiology and Human Disease Laboratory

Laboratory techniques in the cultivation, identification, and control of microorganisms. Prerequisite: BIO 281 or concurrently. This course does not fulfill the Area 4 requirement. Cr 2

#### BIO 305 Developmental Biology

An analysis of the cellular and molecular interactions leading to normal development. Prerequisite: grade of C- or higher in BIO 107. Cr 3

#### BIO 306 Developmental Biology Laboratory

This laboratory course is designed to illustrate principles of animal development introduced in BIO 305 using genetic, histochemical, and molecular analyses. Prerequisite: prior or concurrent registration in BIO 305. Cr 2

#### BIO 321 Neurobiology

This course presents an overview of nervous system function, structure, and development. Content focuses on the cellular and molecular properties that underlie normal function. Prerequisite: grade of C- or higher in BIO 109 or BIO 111, or permission of instructor. Cr 3.

#### BIO 332 Neurobiology Lab

This laboratory course is designed to enable students to gain experience with a range of experimental techniques used in neurobiology research. These include cell culture, electrophysiology, histochemistry, microscopy, and behavioral analyses. Prerequisite: prior or concurrent registration in BIO 321. Cr 2.

#### BIO 337 Marine Ecology

A comparative ecological study of coastal and oceanic environments. Lecture, three hours/week; weekly four-hour field trip. Prerequisite: Grade of C- or higher in BIO 107. Cr 5.

#### BIO 345 Pathophysiology

A study of the physiological, genetic, biochemical and environmental basis of noninfectious diseases. Prerequisite: grade of C- or higher in BIO 109 or BIO 211, or permission of instructor. Cr 3

#### BIO 408 Experimental Genetics

This course includes lectures and laboratory exercises in human and fruit genetics. This is not a companion course to BIO 201. Prerequisite: BIO 201 or concurrently, or permission of instructor. Cr 2.

#### BIO 421 Biology Seminar

Weekly oral reports and discussion by students and staff on biological topics of current interest. Prerequisite: 16 hours of biology or permission of instructor. May be repeated. Cr 3.

#### BIO 431 Principles of Immunology

An introduction to the fundamentals of immunology, especially as they relate to human diseases. Topics include history of immunology, basic elements of immune systems, principles of natural and acquired immunity, cellular and molecular basis of B cell and T cell development and diversity, and clinical aspects of immunology. Prerequisites: CHY 105 or CHY 115, junior standing, and grade of C- or higher in either BIO 1-7 or BIO 211; or permission of instructor. Cr 3.

#### BIO 441 Problems in Biology

Independent library or laboratory studies on a special topic as mutually arranged by instructor and students. Prerequisite: by arrangement. Cr 0.5-1.0.

#### BUS 200 Introduction to Business

This course is designed to introduce the student to the contemporary business environment and the variety of typical activities engaged in by business professionals. It explores how different business functions are integrated to accomplish the goals of the business within an increasingly competitive business environment. It is designed for anyone interested in becoming knowledgeable about successful business practices. Students with credit for BUS 101 or other introductory business course may not enroll. This course is intended for non-majors, and is restricted to students with fewer than nine credits in business, finance, and accounting. Business and accounting majors may not enroll without the approval of their academic advisor. Prerequisites: Fewer than nine credits in BUS, FIN and ACC. Must not be in a School of Business major. Must not have credit for BUS 101. Cr 3

#### BUS 201 Personal Finance

Primary emphasis is to teach students how to become more knowledgeable and independent over money matters. Topics such as obtaining financial aid, managing student loans, career

and education planning, budgeting, credit cards, stock market investing, real estate and insurance will be covered. Upon completing the course, students will be on their way to making better money decision. This course is open to all USM students. When taken by business or accounting majors, this course will give general elective credit. Cr 3.

#### BUS 210 Introduction to Sport Management

This course provides an overview of the business of sports, including career opportunities. The value of professional management to sports organizations is examined. Cr 3

#### BUS 260 Marketing

This course is an introduction to the field of marketing. Topics include marketing strategy for products and services, market segmentation, product issues, pricing, promotion, distribution, consumer behavior, marketing research and information systems, international marketing, and nonprofit marketing. Prerequisite: minimum of 24 earned credit hours. Cr 3

#### BUS 275 Applied Business Analysis

This course provides students with an understanding of statistical concepts and tools that are critical in business decision making. The discussion and development of each topic are presented in an application setting, with the statistical results providing insights and solutions to real world problems. The coursework requires extensive use of commercially available statistical software. Prerequisite: MAT 108 (C- or higher grade) and MAT 210 (C- or higher grade) or other approved statistics course (see [www.usm.maine.edu/sb/stats.html](http://www.usm.maine.edu/sb/stats.html) for approved courses). Cr 3

#### BUS 280 Legal Environment of Business

This course introduces students to the legal system, tort law, product liability, consumer law, labor law, equal employment law, intellectual property law, and other topics. It stresses the social responsibility of business and the legal and ethical framework in which businesses must function. Cr 3

#### BUS 311 Sport Marketing

Basic marketing concepts are applied to sport organizations, both amateur and professional. Topics include promotions and public relations, sport consumer behavior, strategic marketing planning, marketing information management, marketing communications, and sponsorship. Prerequisites: BUS 260 (C- or higher) and junior standing. Cr 3

#### BUS 312 Sport Law

This course examines the legal system, its terminology, and principles in the context of professional and amateur sports. Emphasis is on identifying and analyzing legal issues, the ramifications of those issues, and the means of limiting the liability of sport organizations. Prerequisites: BUS 280 and junior standing. Cr 3

#### BUS 315 Sport Finance

Basic theory in finance and accounting is applied to managerial control of sport organizations. Topics include forms of ownership, taxation, financial analysis, feasibility studies, and economic impact studies. Prerequisites: FIN 320 (C or higher), and junior standing. Cr 3

#### BUS 317 Sponsorship & Sales

Overview of all elements of sport sponsorships, including rationale, benefits, proposal development. Sales management strategies will focus specifically on the unique aspects of sport sponsorship environment. Students will create marketing surveys, develop sponsorship proposals, identify and contact potential sponsors, conduct negotiation and sales, learn activation techniques, and evaluate sponsor packages. Prerequisite: BUS 311 or BUS 315. Cr 3

#### BUS 340 Managing Organizational Behavior

A survey of the disciplines of management and organizational behavior, and of the practices managers employ in planning, organizing, leading, and controlling organizations. Topics include self-awareness, perception and decision making, individual differences and diversity, motivation, group dynamics, communication, stress, power and politics, organizational design, and change. The environmental context, workforce diversity, the global economy, and managerial ethics are core integrating themes. Prerequisite: junior standing. Cr 3

#### BUS 345 Information

**Technology/Management Information Systems**  
Surveys information/systems technology for the management of corporate information as



resource. Managerial and technical dimensions of information systems are blended in a framework of information technology. Specific topics will evolve with the field but may include data communications, information systems theory, database concepts, and decision support systems. Prerequisites: ABU 190 (C or higher grade or test-out option), and sophomore standing. Cr 3

#### BUS 358 E-Commerce

This course examines various business models used in electronic commerce, provides an understanding of how an e-presence is established, and explores the strategic use of e-commerce in a global environment. Students will develop skills in establishing a Web presence for a business and business planning. Prerequisites: BUS 260 (C- or higher), BUS 345 (C or higher), and junior standing. Limited offerings. Cr 3

#### BUS 360 Marketing Strategy

This course prepares students to evaluate strategic marketing options, make informed marketing decisions, and formulate strategic marketing policies, based on quantitative and qualitative analysis. Basic skills emphasized in this class are situation analysis, management by profit and loss, implementing marketing strategies, brand management, positioning, and market segmentation. This is a foundation course for marketing majors. Cr 3

#### BUS 361 International Marketing

This course addresses the critical marketing skills required for business survival in today's world economy. It deals with international environments, international marketing management, and links international marketing with a company's overall strategic planning activities. Practical case work or a computer simulation will be used to apply international marketing concepts. Prerequisites: BUS 260 and junior standing. Cr 3

#### BUS 362 Market Opportunity Analysis

In this course, student teams evaluate case studies and work with a local business to analyze formally a market opportunity. Areas of analysis include target market identification, industry trends, demand analysis, capacity and fit issues, competitive analysis, and forecasting. Prerequisites: BUS 260 and junior standing. Students are encouraged to take BUS 365 and BUS 369 before BUS 362. Cr 3

#### BUS 364 Professional Selling

This course is designed to equip students with the fundamental understanding of the role of professional selling within all types of organizations with an emphasis on development of communication, relationship building, and presentation skills. The course is interactive/"hands on" and will include: video case studies; role playing; sales presentations; management software; group presentations; mini lectures; and Internet research. Prerequisites: BUS 260 (C- or higher) and junior standing. Limited offerings. Cr 3

#### BUS 365 Consumer Behavior

This course, which may have a sizable online component, examines alternative explanations of consumer behavior. Emphasis is placed on cultural, sociological, and psychological influences on consumption. Other topics include consumer decision processes and how managers use consumer characteristics to segment the market and develop marketing plans. Prerequisites: BUS 260 (C- or higher) and junior standing. Students with credit for BUS 165 may not enroll. Cr 3

#### BUS 370 Management Science

This course examines the role, perspective, and commonly used tools of quantitative analysis in business decision making. Emphasis is placed upon developing students' abilities to recognize the need for quantification; formulate business problems quantitatively; select and test computer-based, decision-support system models; collect meaningful data; and interpret the implications of analysis results. Prerequisites: ABU 190 (C or higher grade, or test-out option), BUS 275 or MAT 212, 2.0 GPA and junior standing. Students with credit for BUS 270 or BUS 371 may not enroll. Cr 3

#### BUS 375 Production/Operations Management

An examination of the role of operations within manufacturing and service organizations. Emphasis is placed upon recognizing operational opportunities and tradeoffs, and employing quantitative and qualitative tools and decision-support systems to assist strategic and operational decision making. Topics include: process design, quality management, capacity planning, supply chain management, and production planning.

Prerequisites: ABU 190 (C or higher grade) or test-out option, BUS 275 or MAT 212, BUS 370 (or concurrent), 2.0 GPA and junior standing. Cr 3

#### BUS 377 Information Visualization

In this course, students will learn to create charts, maps, and other visualizations to tell stories and to create effective graphical displays of evidence. Students will learn to critically evaluate examples from print media and the internet after learning the foundations of information visualization. Prerequisites: successful completion of the University's Core requirement in quantitative reasoning. Spring only. Cr 3.

#### BUS 385 Entrepreneurship and Venture Creation

This course is about starting a business and about the benefits and costs, both personal and professional, of an entrepreneurial career. Students learn how to establish start-up teams, identify opportunities, and obtain resources. The course involves written self-appraisals, case analyses, team work, and presentations of comprehensive business plans. Prerequisites: ACC 110, ACC 211 or permission, BUS 362 (or permission), and junior standing. Cr 3

#### BUS 450 Business Policy and Strategy

An in-depth examination of the strategic management process in large complex organizations. This course uses case study analysis, discussion and integrative capstone projects to provide the student with opportunities to learn and to apply strategic management theories and concepts. These include competitive analysis, value-chain analysis, generic business strategies, corporate strategy, and global strategy. The course fulfills the capstone requirement of the USM Core. Prerequisites: BUS 260 (C- or higher), BUS 340 (C or higher), FIN 320 (C or higher), GPA 2.0 or higher, and senior standing. Students matriculating fall 2011 and late must fulfill the University Core Requirement of "Ethical Inquire, social Responsibility and Citizenship" prior to enrollment. Cr 3.

#### CHI 199 Beginning Chinese I

No description available. Cr 3.

#### CHI 299 Beginning Chinese II

No description available. Cr 3.

#### CHY 107 Chemistry for Health Sciences

A one-semester introduction to general, organic, and biological chemistry for the health sciences. Topics include acids and bases, pH, chemical kinetics and equilibria, the chemistry of organic compounds; carbohydrates, proteins, lipids, nucleic acids. This course is not suitable for chemistry majors, biology majors, or pre-professionals (pre-dental, pre-medical, pre-veterinary). Cr 3

#### 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: satisfaction of USM math minimum proficiency requirements. Cr 3

#### CHY 114 Laboratory Techniques I

Laboratory experiments to illustrate the principles that are presented in CHY 113 lectures. One recitation and two laboratory hours per week. Co-requisite: CHY 113. Cr 1

#### CHY 251 Organic Chemistry I

An intensive treatment of organic chemistry. Topics include: nomenclature; structure and stereochemistry; reaction types: substitution, addition, elimination and oxidation-reduction; reaction mechanisms and factors influencing them; spectroscopic techniques of structure determination (mass, nuclear magnetic resonance, ultraviolet-visible and infrared). Prerequisite: a grade of C or better in CHY 115. Cr 3

#### CHY 252 Organic Chemistry Lab I

Students conduct independent research by executing a multi-step synthesis of a series of compounds. An additional goal is the characterization of the physical and chemical properties of the target molecules as well as the intermediates. Students will develop proficiency in synthetic methods, chromatography, and spectroscopy by working with model compounds. Prerequisite: a grade of C or better in CHY 116. Prerequisite or co-requisite: CHY 251. Cr 2

#### CHY 351 Advanced Organic Chemistry

This course will explore fundamentals of organic reaction mechanisms. A partial list of the topics to be covered includes steric, electronic, and stereo electronic effects; conformational analysis; thermodynamic and

kinetic principles; applications of molecular orbital theory; reactive intermediates; and modern techniques used to study reaction mechanisms. Course content may vary from year to year, depending on student interests. Prerequisite: a grade of C or better in CHY 253. Cr 3.

#### CHY 373 Chemical Thermodynamics

Principles of theoretical chemistry: classical thermodynamics, molecular energetics, equilibrium, reaction kinetics, statistical thermodynamics, and electrochemistry. Prerequisites: a grade of C or better in CHY 115, MAT 152, and PHY 123. Cr 3

#### CHY 374 Chemical Thermodynamics Lab

Experiments illustrating material presented in CHY 373. One recitation and three laboratory hours per week. Prerequisite or co-requisite: CHY 373. Cr 2

#### CHY 410 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 411 Special Topics

Reading and discussion of advanced subjects or instruction in special topics/research. Permission of instructor required. 6 credits maximum. Cr 1-15.

#### CHY 412 Special Topics

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

#### CHY 417 Special Topics

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

#### CHY 418 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 421 Inorganic Chemistry

Descriptive chemistry of the inorganic compounds, structure, bonding and ligand field theory. Prerequisite: a grade of C or better in CHY 115. Pre- or corequisite: CHY 371 or permission of instructor. Cr 3.

#### CHY 461 Biochemistry

Application of chemical methods and principles to understanding biological processes. Topics include structure and action of nucleotides, proteins, lipids, and carbohydrates; enzyme kinetics and mechanisms; membranes and transport; and metabolism and energy conversion. This one-semester course provides a survey of the major areas of biochemistry, except for nucleic acids. Prerequisite: a grad of C or better in CHY 252 or by instructor permission. Cr 3.

#### CHY 462 Biochemistry Laboratory

Basic experimental methods in modern biochemistry. Experiments include detecting, purifying, crystallizing, and characterizing proteins; analyzing protein structure, and measuring enzyme kinetics. Techniques include ultraviolet and visible spectrophotometry; ion-exchange, gel, and high-pressure liquid chromatography; electrophoresis, and analysis of protein structure by computer graphics. One hour lecture and three hours laboratory per week. Prerequisite: a grade of C or better in CHY 254. Prerequisite or corequisite: CHY 461. Cr 2.

#### CLA 291 The Golden Age of Greece

The literature, history, politics, philosophy, art, and architecture of the fifth century B.C. with particular attention to the achievements of Athens. Lectures, discussion, papers, slides, films. Cr 3.

#### CLA 321 Art, Architecture & Arch of the Ancient World

This class explores the art, architecture, and archaeology of ancient Greece and Rome. Areas of investigation may include body image/ideal, architecture and politics, art and power, gender and sexuality, and mythology. Students will be expected to respond in written form to secondary literatures. This course is equivalent to ARH 321. Prerequisites: ENG 100; one CLA course or one ARH course, or permission of instructor. Cr 3.

#### CLA 384 What Would Antigone Do? Tragic Questions, Modern Responses

Exploration of ancient and modern ethical dilemmas via Greek tragedy (in English translation) and ancient and modern responses to it. Readings will be selected from Aeschylus, Sophocles, Euripides, Aristophanes, Plato, Aristotle, Nietzsche, Martha Nussbaum, and modern dramatists.

Prerequisites: ENG 100/101/104 or HON 100 plus one of the following courses in ancient Greek culture: CLA 283, CLA 291, GRE 251, HON 101, HTY 101, HTY 303, PHI 310, or permission of instructor. Cr 3.

#### CLA 410 Antiquity and Modernity: Capstone Experience in Classics

This course explores current issues in the field of classics and the impact of the classical tradition on contemporary culture. It includes selected readings of Latin and/or Greek in dialogue with modern texts, projects in the art of translation, and a thesis project. Prerequisites: LAT 251 or GRE 251 or equivalent. LAT 251 or GRE 251 may be taken concurrently with the Capstone. Not open to first or second year students. Cr 3.

#### CMS 102 Introduction to Communication

This course provides students with an overview and brief history of the field of communication, introduces them to theory development and the research process, and illustrates how communication theories can be applied to everyday life. Students will explore communication in a variety of contexts, including intrapersonal, organizational, intercultural, and mass communication. Cr 3

#### CMS 103 Introduction to Media Studies

This course examines the historical, philosophical, technological, economic, political, and social aspects of print (book, magazine, and newspapers) and electronic media (radio, television, film, sound recordings, and the Internet). In addition, the effect of mass media will be explored. Prerequisite: media studies or communication major. Cr 3

#### CMS 150 The Writing Process

This course provides students with professional writing skills through practice in techniques and strategies used in a variety of media writing applications. There is a strong emphasis on the utility of writing as a tool of communicating information, interpreting media content, and constructing meaning. Prerequisites: CMS 102, CMS 103, college writing, and communication or media studies majors. Cr 3

#### CMS 200 Research Methods in Communication

This course introduces students to methods of inquiry found in the communication and media studies research literature. These methods include experimental design, survey research, textual analysis, and ethnography. The course examines the underlying philosophical assumptions associated with these methodologies as well as their unique strengths and limitations. Students' conceptual understanding of these methodologies and their ability to become critical consumers of research findings are the major objectives of the course. Prerequisite: communication or media studies major, CMS 102. Cr 3

#### CMS 202 Writing for Popular Print Media

This introduction to magazine writing provides students an opportunity to conceive, craft, and publish original work in different genres for different markets. There is a strong emphasis on the utility of writing as a means of organizing and communicating information, as in reporting, and also as a medium for more expressive and entertaining content. Prerequisite: ENG 100 or equivalent, communication or media studies major, CMS 102 and CMS 103 or instructor permission. Cr 3

#### CMS 220 Topics in Media Production I

A selection of courses varying in content from term to term. May be repeated for credit when topics vary. Students should consult their media studies advisor for detailed descriptions. Prerequisites: communication or media studies major, CMS 102 and CMS 103. Cr 1-3

#### CMS 265 Intrapersonal Communication

This course examines our ability to use what we know and feel in order to send, receive, and store information. Whether stimuli come from an external source or from within the self, the focus of intrapersonal communication is on the ways in which we process those stimuli, our ability to make sense out of our experiences, to remember, to retrieve information from memory, and to create messages at whatever level of consciousness, and no matter how many people are involved, in face-to-face or mediated communication. Prerequisites: communication or media studies major, CMS 102 and CMS 103. Cr 3

#### CMS 272 Persuasion

A course designed to help students understand the basic principles of persuasion. The course deals with persuasion as a social phenomenon. The perspective from which the course is offered is the analysis of persuasion as a behavioral process. As such, the course will

investigate the social science research that relates to persuasion. Students will examine the attempts made by others to persuade them, as well as the attempts they make to persuade others. Further, the course will deal with the issue of ethics in persuasion. Prerequisites: communication or media studies major, CMS 102 and CMS 103. Cr 3

#### CMS 274 Writing for the Media

This writing-intensive course is designed to provide students with an overview of media writing. Students will be introduced to radio and television commercial writing, broadcast journalism, and fiction and non-fiction scriptwriting. Prerequisite: College Writing. Cr 3.

#### CMS 284 Film Appreciation

This course will introduce the student to film aesthetics and appreciation. It assumes that the student has no knowledge of cinema beyond the movie-going experience. The aim of the course is to survey the fundamental aspects of cinema as an art form and communication vehicle. The power of moving images and their mass-mediated messages will be analyzed. Prerequisites: communication or media studies major, CMS 102 and CMS 103. Cr 3

#### CMS 298 Topics in Communication

A selection of courses varying in content from term to term. May be repeated for credit when topics vary. Students should consult MaineStreet for a listing of current topics courses and the CMS homepage for detailed course descriptions. Prerequisites: communication or media studies major, CMS 102 and CMS 103. Cr 3

#### CMS 300 Topics in Media Writing II

A selection of courses varying in content from term to term. May be repeated for credit when topics vary. Students should consult their media studies advisor for detailed descriptions. Prerequisites: College Writing. Cr 3

#### CMS 320 Topics in Media Production II

A selection of courses varying in content from term to term. May be repeated for credit when topics vary. Students should consult their media studies advisor for detailed descriptions. Prerequisites: CMS 102 and CMS 103. Cr 1-3

#### CMS 323 Understanding Technology

This course will examine the relationship between media, technology, and society from a variety of perspectives and disciplines. Through readings and discussions students will develop an understanding of a variety of frameworks and theories that explain technological change and the fundamental relationship between humankind and technology. Prerequisites: communication or media studies major, CMS 102 and CMS 103. Cr 3

#### CMS 330 Theories of Interpersonal Communication

A study of the current thinking in interpersonal communication which emphasizes specific theories of human interaction. Students will be exposed to research in the interpersonal setting and will apply findings to their personal relationships. The course will help student's foster effective traditional and nontraditional relationships with a variety of people. Prerequisites: CMS 102. Cr 3.

#### CMS 332 Communication in the Family

This course examines the role of communication in various family types. Students will be introduced to research and theory on the family and will apply findings to their own lives. Topics covered will include family satisfaction, communication rules, decision making, values, structures, autonomy, and conflict. Students will be asked to draw upon their family backgrounds for analysis and discussion. Prerequisites: communication or media studies major, CMS 102 and CMS 103. Cr 3

#### CMS 340 Field Video Production

This course is primarily concerned with the development of critical evaluation skills needed in assessing and analyzing the video medium as a communication vehicle. Students will engage in actual video production projects. Prerequisite: CMS 190 and CMS 191. Cr 3

#### CMS 341 Field Video Production Lab

This lab will provide students with hands-on experience with digital video cameras, production equipment, and digital, non-linear editing software. Students must concurrently be enrolled in CMS 340. Prerequisites: CMS 190 and CMS 191. Cr 1

#### CMS 370 Media Social Change

This course analyzes how news media coverage affects social change. Students explore how and why the media cover social movements the way they do, and look closely at news coverage of the civil rights, black



power, antiwar, women's and men's movements. Both print and TV news are examined through readings, discussion, and original research. Prerequisites: Prerequisites: CMS 102 and CMS 103 and communication or media studies major. Cr 3

**CMS 380 Film Genres**  
This course will explore a genre found in film history. The genre selected for any given semester could be taken from such established ones as science fiction, horror, screwball comedies, musicals, or film noir. May be repeated for credit when topics vary. Prerequisites: CMS 102, CMS 103, and CMS 284 and communication or media studies major. Cr 3

**CMS 390 Theories of Organizational Communication**  
This course is designed to introduce students to organization theory and behavior through the medium of metaphor. Using different metaphors, the course draws attention to significant aspects of the process of organizing, and provides a means for understanding and managing organizational situations. Students are responsible for conducting on-site field studies and preparing written and oral presentations of their findings. Prerequisites: CMS 102 and CMS 103. Cr 3

**COS 216 Emergency Response**  
This course will cover the topics prescribed by the American Red Cross in their emergency response course, including respiratory and cardiac emergencies, wounds, poisoning, sudden illness, burns and other topics. Successful completion of the course requirements will lead to Emergency Response certification, including adult, child, and infant CPR, from the American Red Cross. Cr 3

**COS 219 Lifetime Physical Fitness and Wellness**  
The primary emphasis of this course is to teach students how to take control of their personal health and lifestyle habits. Major areas will include nutrition/weight management, fitness training techniques, flexibility, coronary risk factor management, muscular strength/endurance, stress management, and other wellness-related topics. Class content will include readings, discussions, self-assessment activities, and development of personalized nutrition and physical activity plans. Cr 3

**COS 252 Human Nutrition**  
This course examines the basic concepts of human nutrition and their application to the needs of human beings throughout the life cycle. Discussion of factors affecting food practices and attitudes is included. Prerequisites: BIO 211 or SCI 172. Cr 3

**COS 261 Intro to Naturopathic Medicine**  
This course offers a comparative study of conventional and Naturopathic medical models, as part of the Minor in Holistic and Integration Health, Naturopathic medicine integrates current medical science with traditional natural therapies, to promote health and the prevent disease. Student will gain an understanding of Naturopathic principles, philosophy and treatment modalities including nutrition, homeopathy, herbal medicine, mind-body techniques and environmental medicine. Cr 3.

**COS 270 Holistic Approach Reproductive Health**  
This course will enable the students to look critically at reproductive health options through the lifespan. Through readings, podcasts, PowerPoint presentations, and online discussions, we will weigh evidence related to alternative, complementary, and natural approaches to managing reproductive health issues. The course will follow a life span, growth and development approach. Course topics will include natural family planning methods, holistic contraception, infertility and pregnancy issues, holistic birth support skills, and holistic care of the newborn after birth. In addition, adult reproductive issues will be covered including menopause, erectile dysfunction, and sexuality in aging. The student will participate online via the discussion board, online quizzes, short essays, and complete and assignment to create a holistic teaching page related to a reproductive health topic. Offered as an online course. Cr 3.

**COS 280 Holistic Health I**  
This course explores the many facets of holistic health. Emphasizing the integration of body, mind, and spirit, specific techniques and therapies will be introduced including, but not limited to, nutrition, stress management, meditation, therapeutic movement and massage, music, and others. The primary goal is to bring greater self-confidence, increased

knowledge, and self-responsibility about health into each student's life. Cr 3

**CON 281 Holistic Health II**  
This course explores the realm of holistic health in greater depth. A strong component will focus on approaches to healing, including such topics as nutrition, meditation, creative imagery, crystals, and herbal remedies. Spiritual and metaphysical dimensions will be integrated as they relate to the total well-being of the individual. The primary goal is to become conversant with holistic approaches that are widely used in promoting and supporting self-healing in both self and others. Prerequisite: CON 280 or permission of instructor. Cr 3

**CON 283 Healing and Spirituality**  
This course will explore the links between spiritual understandings and physical and mental health. Focusing on global spiritual and religious traditions, the course will examine the determinants of health and the healing techniques utilized in each faith. We will also examine the ways in which religious values and expectations become internalized and affect the ways in which we interpret our wellness and our discomforts. This course is designed to offer an opportunity to become familiar with the world's faith traditions, and to explore spirituality as it relates to healing, both personally and institutionally. Cr 3

**CON 284 Botanical Therapies**  
The use of medicinal plant remedies can offer a rich, effective, and safe addition to health care for a variety of common illnesses and conditions. With dramatic increase in use of herbal preparations, however, questions of effectiveness and safety arise for both health care consumers and their providers. This course will give the historical background on the use of medicinal plants in the U.S. and Europe, examine the current legal status of plant remedies and herbal practitioners, review the most commonly used botanical remedies available, and discuss the benefits and risks that attend the use of these and other medicinal plant preparations. Cr 3

**CON 302 Pharmacology**  
This course provides an overview of the principles of pharmacokinetics and pharmacodynamics. The major drug categories are reviewed with emphasis placed on the therapeutic use, action, and adverse reactions of selected prototype drugs. Emphasis is placed on the benefits and risks of drug therapy, thereby preparing the health professional for safe, therapeutic pharmacologic interventions. There is no clinical component to CON 302. For nursing majors, must precede NUR 323/325, but must be taken within one year. Prerequisites: BIO 211 or SCI 172 and sophomore standing. Cr 3

**CON 313 Health in Later Years**  
No description available. Cr 3

**CON 314 Wellness Education and Counseling**  
This course is designed to facilitate an understanding of how to plan, implement, and evaluate wellness education programs. Teaching and learning styles will be addressed. Counseling skills will be practiced. Teaching techniques and tips will be highlighted. The course follows a learning-by-doing and reflection-in-action approach to education. Students will participate in experiential group and individual processes and be expected to apply personal insight when working with others. Cr 3

**CON 318 Adult Development & Aging**  
This is an advanced course in developmental psychology focusing on the adult portion of the lifespan. The course will provide an overview of the major theories, issues, and research in the scientific study of adulthood. The interplay of biological and cognitive factors, interpersonal relationships, social structure, and cultural values in shaping the individual's development will be examined. Prerequisites: College writing and any PSY or SOC course. Cr 3

**CON 321/322 Health-Related Research**  
Introduction to health-related research with an emphasis on understanding the research process and becoming a consumer of research. Critique of health-related research findings to health professions and their application to professional practice is a major component of this course. CON 322 is a Writing Intensive course. For nursing majors, must be completed before taking any 400-level nursing course. Prerequisite or concurrent: PSY 201 or MAT 120. Cr 3

**CON 352 Nutrition for Physical Performance**  
The in-depth study of general nutritional practices applied to athletes and other

individuals who are physically active. The course will emphasize basic cellular metabolism as it relates to energy production and expenditure during the course of preparation and training for athletics and physical activity. Weight control, use of ergogenic aids and nutritional supplements will also be discussed. Prerequisites: ALT, EXS, HEF major; CON 252; SPM 330 or concurrent. Cr 3

**CON 356 Concepts in Community Health**  
This course introduces the concepts and principles basic to the development and maintenance of the community's health. The epidemiological process guides the survey of current major health issues. The course focuses on the health issues of groups in the community at local, state, national, and global levels. Cr 3

**COS 160 Structured Problem Solving: Java**  
An introduction to the use of digital computers for problem solving, employing the Java programming language as a vehicle. Content includes elementary control structures and data representation methods provided by Java and the top-down programming methodology. Course requirements include a substantial number of programming projects. This course must be taken concurrently with COS 170. Prerequisite: successful completion of the USM mathematics proficiency requirement. 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. Introduction to the performance analysis of algorithms. Course requirements include substantial programming projects. Prerequisites: COS 160, and working knowledge of word processing and Web browsing. Cr 3

**COS 170 Structured Programming Laboratory**  
Computational experiments will be designed to teach students how to construct reliable software using Java. Topics to be covered include: Windows system, conditional program flow, iteration, procedures and functions, and symbolic debugging. This course must be taken concurrently with COS 160. Cr 1

**COS 280 Discrete Mathematics**  
Concepts of modern algebra, set theory, Boolean algebra, elements of graph theory, and their application to computer science. Prerequisites: MAT 145 and COS 160. Cr 3

**COS 285 Data Structures**  
Basic abstract data types and their representations, fundamental algorithms, and algorithm analysis. Consideration is given to applications. Specific topics include linked structures, trees, searching and sorting, priority queues, graphs, and hashing. Course requirements include a substantial programming component. Prerequisites: COS 161, MAT 145, and calculus, or their equivalents. Cr 3

**COS 360 Programming Languages**  
Examination of basic concepts and constructs of high-level languages via consideration of several representative languages. Topics include scope of declarations, binding time of constituents, type checking, and control organization. Study of implementation methods for various programming language features. Study of the methods of formal specifications of programming languages: regular, context-free, and attribute grammars and operational semantics. Exposure to programming in languages that deviate from the imperative style such as Lisp and Prolog. Prerequisites: COS 250, COS 285. Cr 3

**COS 420 Object-Oriented Design**  
This course will focus on the construction of object-oriented software. Students will learn conceptual models for organizing objects and object hierarchies, an object-oriented design notation, the application of design patterns, and the use of software development methodologies such as the Agile development process. The capabilities will be used to solve relatively complex problems in a group setting. Typically offered once every two years. Prerequisite: COS 285. Cr 4.

**COS 450 Operating Systems**  
Bottom up construction of a layered operating system beginning with the hardware interface and ending with the user interface. Specific topics covered include concurrent processes, process management, I/O, virtual memory, file management, resource scheduling, and performance measurement. Students are assumed to be familiar with general machine architecture, functions of system software (compilers, loaders, editors, etc.), data

structure, and to have some experience with UNIX or another multiprogramming operating system. Typically offered once every two years. Prerequisites: CIS 250, COS 350, Cr 3.

**CRM 100 Introduction to Criminology**  
This course focuses on the nature of crime and on problems concerning its measurement and distribution. The course examines some of the popular images of crime in the media and elsewhere, the creation and utility of official and unofficial crime statistics, and theories about the causes of crime. No prerequisites. A grade of "C" or better is required in this course in order to continue in the major. Cr 3

**CRM 230 Introduction to the Criminal justice System**  
This course is designed to provide students with an understanding of the criminal justice system in the United States from a sociological perspective. Students will become familiar with criminal justice functions such as policing, trials, defense and prosecution of cases, and corrections. Also students are required to prepare a mock trial of a criminal case. Prerequisite: CRM 100 or permission. Cr 3.

**CRM 301 Criminological Theory**  
This course focuses on the development of criminological theory from 1930 to present. The course is historical in nature and addresses such fundamental problems as why certain behavior is defined as criminal, the causes of crime, and the consequences for the individual of being labeled as a criminal. Prerequisite: CRM 100 or permission. Cr 3

**CRM 317 Gender and Crime**  
This course concentrates on gender and its relation to crime. It explores such issues as histories of gender inequality, the gendered character of criminological theory, and how gender is related to a variety of crimes such as rape, violence in the family, crimes by women, property crimes, and corporate crime. Prerequisite: CRM 100 or permission. Cr 3

**CRM 325 Domestic Violence**  
This course explores contemporary theoretical and policy debates on domestic violence as a social problem and crime. Topics include partner abuse, child abuse, and elder abuse. The definition and measurement of domestic violence are analyzed. Comparison of legal and community responses to domestic violence is emphasized. Special attention is given to economic and ethnic diversity as they relate to domestic violence. Prerequisite: CRM 100 or permission. Cr 3

**CRM 330 Crime and Social Control**  
This course explores theoretical and practical issues of modern systems of social control, including punishment, policing, prisons, parole, probation, and the role of the state in social control. The history of Western social control systems is stressed, with emphasis on race, gender, and class effects. Students are required to engage in experiential learning. Prerequisites: CRM 100 or permission. Cr 3

**CRM 350 Topics in Criminology**  
Specially developed courses exploring areas of interest and concern in depth. Among these topics currently considered are war crimes, race and crime, ethno-methodology, homicide, visual criminology, film and crime, self and crime, sexuality and crime, and social theories of non-violence. May be repeated for credit. Prerequisite: CRM 100 or permission. Cr 3

**CRM 370 Reflexive Criminology**  
A reflexive approach to criminology examining criminological theories and perspectives as cultural and ideological products. Using cross-cultural and historical comparisons, the course analyzes the conditions under which "criminology" is produced. We also explore the connections between the product of the "criminology industry" and the reproduction of broader cultural and ideological patterns. Prerequisites: CRM 100 or permission. Cr 3

**ECE 399 Topics**  
No description available. Cr 3.

**ECO 101 Introduction to Macroeconomics**  
An analysis of the basic characteristics, institutions, and activities of modern market economies. Topics discussed include inflation, unemployment, government monetary and fiscal policy, full employment and economic growth. Cr 3

**ECO 102 Introduction to Microeconomics**  
Introduction to the analysis of individual markets: the functioning of prices in a market economy, economic decision making by producers and consumers, and market structure. Topics discussed include consumer preferences and consumer behavior, production theory and production costs, the monopoly firm, and resource pricing.

Additional topics are determined by individual instructors. Cr 3

**ECO 106 Economics of Social Change**  
Students will explore connections among major socioeconomic transformations (e.g., the spread of market relations, industrialization, and new technologies), massive movements of people (from countryside to city, from one nation to another), the resulting clash of cultures, and the social construction of human worth. Students will analyze debates over social policy, economic performance - and the relative standards of living. Prerequisites: none. This course will satisfy a second-tier Socio-Cultural Analysis Core curriculum requirement. Cr 3

**ECO 301 Intermediate Macroeconomics**  
A theoretical analysis of the basic forces that cause inflation, growth, and fluctuations in economic activity. The effects on employment and other factors are thoroughly treated. Stabilization policies are examined and evaluated. Prerequisites: ECO 101 and ECO 102, or ECO 100 and Department permission. Cr 3

**ECO 303 Political Economy**  
This course provides an overview of various perspectives on the U.S. economic system, its dynamics, problems, and its relation to the political sphere. Topics may include: inequality and discrimination; growth and the environment; military spending, productivity and growth; and policies for the future. Prerequisites: ECO 101, ECO 102 and either ECO 301 (or concurrent) or ECO 302 (or concurrent) or permission of instructor. This course will satisfy the intensive writing requirement. Cr 3

**ECO 316 Case Studies in International Development**  
This course provides case studies of the issues, problems, and policies of economic development. The development experience of various countries is examined in a comparative context. Prerequisites: any 100-level ECO course. Cr 3.

**ECO 326 Environmental Economics**  
This course considers the economic aspects of environmental issues, such as pollution and environmental degradation, environmental justice, and global climate change. In addressing each of these issues we will investigate the implications of various public policy responses such as regulation, marketable permits, and tax incentives. Prerequisite: ECO 102 or instructor permission. Cr 3

**EDU 100 Exploring Teaching as a Profession**  
An introduction to the study of education and teaching, this course provides opportunities for students to examine and evaluate their interest in and aptitude for a career in teaching. The structure of the course combines faculty-directed seminars with coordinated field-based experiences in school settings. In addition to examining and reflecting upon their field-based classroom experiences in their seminar sessions, students will examine the following topics: current initiatives and issues in education and teaching, the diverse needs of students, the multiple roles of teachers, the professional and ethical expectations of teachers, school curriculum, culture and organization, and teacher certification program and professional development options. Part of the course will be field based school experiences. Cr 3.

**EDU 300 Educational Media and Technology**  
An examination of educational media and technology with special emphasis on school-based developments and applications. Cr 3

**EDU 305 Foundations of Cultural & Linguistic Diversity**  
This course supports students in exploring and critically analyzing topics, themes, and issues related to cultural and linguistic diversity and helps them build a strong theoretical and practical foundation for becoming successful multicultural educators. 24 hours of fieldwork will be required. Prerequisites: HRD 200: Multicultural Human Development. Cr 3

**EDU 310 What is the Purpose of Schooling in a Democracy?**  
The focus for EDU 310 is a critical analysis of the democratic foundations for American public education and the premise that public education supports an academic, social, and economic meritocracy. Democratic societies survive and thrive upon the active engagement of an educated citizenry. This premise gives rise to the belief that democratic institutions foster a meritocracy in which individual achievement in school is solely based on mastering the school curriculum and not on



other social factors such as race, religion, language or social class. Students in this course will explore the ‘myth of meritocracy’ through the lens of their own schooling experiences; they will compare and contrast their experiences with the schooling experiences of individuals from another country and use an equity framework to develop a set of guiding principles for teaching in a democracy. Cr 3

#### EDU 336 Children’s Literature

A survey of children’s literature with special emphasis on the selection of appropriate books for children from preschool through the elementary school years. Cr 3

#### EGN/MAT 181 Engineering Tools: Mathematica

Introduction to computing with Mathematica, to help mathematics, science and engineering students solve typical computational problems encountered in their disciplines effectively and efficiently. Mathematica programming language and programming styles, symbolic and numerical computations, visualization and graphics. The course includes many practical examples and hands-on exercises. Prerequisite: Quantitative Reasoning or permission. Lecture 1 hr. Cr 1

#### EGN 182 Engineering Tools: SolidWorks

An introductory course to help students become familiar with SolidWorks and its use as a design tool for engineering. Students will use hands-on labs to create three dimensional solid models together with their orthographic views and convert them to computer design files. Students will learn the basics of building parts, dimensioning, tolerances, manufacturing drawings, assemblies, assembly drawings, and bills of material. They learn best practices, essential parametric sketching techniques, and time-saving shortcuts for making three dimensional parts and assemblies. Cr 1

#### EGN 248 Introduction to Differential Equations and Linear Algebra

Introduction to linear algebra and differential equations for engineering and science students. Standard methods for solving differential equations as they arise in engineering and science, linear algebra concepts need to solve linear algebraic systems and linear systems of differential equations, and computational skills in matrix theory needed in computational linear algebra. Topics will include matrix algebra, determinants, linear independence, linear systems, linear transformations, eigenvalues, and eigenvectors, vector spaces, first-order ODEs, higher-order linear ODEs, linear systems of ODEs, Laplace transform, and mathematical modeling and numerical methods. May be replaced by MAT 350. Prerequisite: MAT 152. Lecture 4 hrs. (Spring) Cr 4.

#### EGN 260 Materials Science for Engineers

Concepts of relationships between structure, composition and thermal, optical, magnetic, electrical and mechanical properties of metals, ceramics, glasses and polymers. Prerequisites: PHY 123, MAT 153, CHY 113. Lecture 3 hrs., Lab 1 hr. Cr 3

#### EGN 325 Control Systems

Laplace transform, transfer function, modeling control systems by block diagrams, transient and steady-state responses, control systems error analysis, root-locus and Routh’s stability methods, analysis and design of control systems using root-locus analysis, operational amplifiers, frequency-response analysis using Bode and Nyquist diagrams, compensation and design of feedback control systems using lead-lag compensators and PID controllers. Includes experiments and computer simulations for analysis and design of control systems. Electrical or mechanical engineering elective. Prerequisite: ELE 217. Lecture 3 hrs., Lab 1 hr. Cr 3

#### ELE 216 Circuits I: Steady-State Analysis

An examination of fundamental circuit laws and theorems, network analysis, physical properties and modeling of resistors, inductors, and capacitors. Sinusoidal steady-state operation, phasors, impedance, power, three-phase systems, and the ideal transformer. The course also covers the operation of meters, oscilloscopes, power supplies, and signal generators. Prerequisites: MAT 153, PHY 123. Lecture 3 hrs., Lab 2 hrs. Cr 4

#### ELE 323 Electromechanical Energy Conversion

Basic concepts of magnetic circuits and transformers. Three-phase system and power transmission. Conversion between electrical and mechanical energy through magnetic fields. Study of direct current motors and generators. Study of alternating current machines: induction motors, synchronous machines, and single-phase motors.

Prerequisite: ELE 216; Lecture 3 hrs., Lab 2 hrs. Cr 4

#### ELE 346 Advanced Electronics

Analysis and design of electronic circuits with BJTs, FETs and OpAmps for applications in signal generation, amplification, wave shaping, and power control. Topics include differential, multi-stage, linear and power amplifiers; real operational amplifiers and OpAmp applications; design for frequency response, active filters; feedback, stability and oscillators. Simulation and design verification with SPICE. Replaces ELE 343. Prerequisites: ELE 217, ELE 243. Lecture 3 hrs., Lab. 2 hrs. (Fall, 2-yr rotation,) Cr 4

#### ENG 100 College Writing

With an emphasis on the connections between reading and writing, English 100 introduces students to practices and conventions of expository academic writing. Students read expository writing from a variety of fields and use the ideas they encounter to develop and refine their own arguments and perspectives. Students learn how thinking and writing change through processes of reading, drafting, rereading, revision, editing, and proofreading. At the end of the semester, an ENG 100 student is able to compose essays that reflect his or her point of view, engage with complex readings, and focus on a central thesis or project in language relatively free of sentence-level error. Prerequisite: college readiness in writing. Every semester. Cr 3

#### ENG 101 Independent Writing

English 101 is offered as an alternative college writing course for students who prefer to work independently on academic writing with an instructor’s guidance. The main business of the course is conducted in individual conferences; therefore, the course is more intensive than ENG 100 or 104. This course emphasizes style, sentence structure, organization, and development. The major challenge of the course is the self-discipline that students will need to work independently. Prerequisite: college readiness in writing. This course fulfills the college writing requirement. Every semester. Cr 3

#### ENG 140 Reading Literature

An introduction to the premises and techniques of literary analysis. The course emphasizes the close reading of texts from different historical periods and introduces students to literacy conventions and terminology as well as library and internet resources available for research. In this course, students will learn to use concepts of the discipline and conventions of academic discourse with an emphasis on critical writing. Prerequisite: College Writing or equivalent or permission of instructor. Cr 3.

#### ENG 145 Topics in Literature

This course emphasizes oral and written analysis and interpretation of literary and other cultural texts within and across historical contexts. Though topics vary, each provides a broad introduction to the concepts of literary history and periodization as these are understood within the discipline and familiarizes students with the basic terms and methods of literary analysis. Every semester. Prerequisite: College Writing or equivalent or permission of instructor. Cr 3.

#### ENG 201 Creative Writing

An introduction to the principles and practices of writing fiction and poetry; other genres may be added at the discretion of the instructor. Students will be exposed to a variety of writing modes through exercises and engagement with literary texts. Emphasis is on using imaginative and precise language, on developing critical skills through workshops, and on assembling a portfolio of revised student writing. Prerequisites: College Writing and ENG 120. Every semester. Cr 3

#### ENG 230 Literacy Studies

A course dedicated to examining the history, concepts, and practices of literacy, with readings drawn from socio-linguistics, the social and cultural history of literacy and of print culture, the sociology and history of education, and reader response studies. The course will examine changing concepts of literacy, orality, and illiteracy, with special attention given to the following: the historical, social, and cultural dynamics influencing reading and writing practices; the plurality of literacy practices; and the theoretical debates over the meaning of the word “literacy” itself. Students will also do ethnographic studies of their own literacy practices and the ways in which these differ from one social context to another. Every semester. Cr 3

#### ENG 245 Introduction to Literary Studies

This is a required course for all English majors. It may be taken concurrently with other 200-level courses in the Department, but

is a prerequisite for all 300- and 400-level courses except those in creative writing. The course will have a double focus. Students will be introduced to a variety of methodologies important to an insightful analysis of literature and other cultural texts. They will also learn research procedures and techniques of effective critical writing. Every semester. Cr 3

#### ENG 262 Poetry – The Genre

This course studies poetry as a way of knowing and experiencing the world, introduces important concepts in analyzing and appreciating poetry, and offers the opportunity for students to develop skills in interpretation, literary analysis, and discussion. While primary attention will be on poetic forms, figurative languages and the poetic “canon,” it will also consider the relationship between historical context and changes in poetic form in various periods. Every fall. Cr 3

#### ENG 263 Fiction

This course will introduce important concepts in analyzing fiction and enable students to develop skills in interpretation, literary analysis, and discussion. It will focus on narrative forms and rhetorical structures (such as voice, plot, diction, figurative language) in various historical periods, and will both examine and challenge the concept of genre. Every semester. Cr 3

#### ENG 300 Fiction Writing

A course for those who, in a creative writing course or on their own, have written several pieces of fiction and are ready for more advanced work. Emphasis will be on writing well-developed short stories and on understanding the basic elements of fiction. A better-than-average competence in using English is required. Suggested preparation: ENG 201. Every spring. Cr 3

#### ENG 301 Poetry Writing

A course for those who, in a creative writing course or on their own, have developed basic skills of reading and revising poetry, and who are interested in developing a sense of how poetry has been written in the past by major poets and how it is being created in the present. Emphasis will be on imitation of past and present writers, exercises that stress the elements of poetry, and the development of personal approaches. Suggested preparation: ENG 201. Every fall. Cr 3

#### ENG 305 Rhetoric, Syntax & Style

The course focuses on the fundamentals of sentence-level writing, teaching students the possibilities of English style both for their own prose and for textual analysis. By examining contemporary texts in the context of traditions of rhetoric, students will develop a theoretical grasp of rhetoric, syntax, and style as a basis for editing and revision. Cr 3

#### ENG 306 Writing the Novel

This course offers instruction in the preliminary stages of writing a novel, including the uses of synopsis outlines, building well-developed scenes, and experimenting with style, narrative voice, and point of view. Work in class will involve lectures on craft, the critique of student work, and discussions of published texts. Using an expanding synopsis outline, students will produce 50 pages of revised work. Prerequisites: ENG 302 preferred; permission of instructor. May be repeated for three additional credits with instructor’s permission. 2-year cycle, fall. Cr 3

#### ENG 315 Ancient Literature

The course will vary between being focused on Greek and Roman literature and on literatures outside the Mediterranean/Aegean ancient world. Every fall. Cr 3

#### ENG 319 Studies in Genre & Form

The content of this course is flexible, but will focus upon some aspect or dimension of genre studies not treated through other course rubrics. Possible topics include women and the romance, the vampire novel and popular culture, or the novel of sensation. May be repeated for credit when topics vary. Students should consult the Department’s Course Guide for detailed descriptions. Cr 3

#### ENG 326 Studies in International Literature Since 1900

Literature since 1900 has become increasingly international especially because of expanded availability of translated texts. This course explores topics in literature that are international in scope whether through specific influences or in response to historical, philosophical, political, and aesthetic developments. Although the range and focus of the course will vary, topics will include studies in Commonwealth and European literatures as well as literatures of specific regions such as Africa, the Caribbean, and South America. May be repeated for credit when topics vary.

Students should consult the Department’s Course Guide for detailed descriptions. Cr 3.

#### ENG 341 Contemporary Critical Theories

An introduction to major schools of literary criticism developed in the twentieth century. Emphasis is placed on identifying points of agreement and divergence between various theories and methods for interpreting literature. Specific theories to be studied may include (but are not limited to) structuralism, psychoanalytic theory, Marxist criticism, deconstruction, feminist theory, and the new historicism. Every semester. Cr 3

#### ENG 347 Topics in Interdisciplinary Studies

This course investigates literature in relation to other disciplines, with an emphasis on how various fields of knowledge contextualize and elucidate our understanding of literary production. Topics may vary and include, for example, anthropology and drama, Freud and literature, literature and technology, and parallel movements in art and/or music and literature. Because of the diverse range of interdisciplinary studies, material is drawn from film, video, music, and art, as well as from printed texts. May be repeated for credit when topics vary. Students should consult the Department’s Course Guide for detailed descriptions. Cr 3.

#### ENG 360 Shakespeare

ENG 360 and 361 each feature close reading of five to seven Shakespearean plays, and focus attention both on theatrical and philosophical meanings. Both courses include tragedies and comedies; neither is introductory nor prerequisite to the other. ENG 360 often includes a section on Shakespeare’s history plays, while ENG 361 includes a section on Shakespeare’s “romances.” Every semester. Cr 3

#### ENG 385 Studies in Nineteenth-Century American Literature and Culture

Specific themes, works, or writers prominent in nineteenth-century American literature and culture. The course may focus on a particular literary tradition, genre, or theme; a literary and cultural movement; a theoretical issue in the development or study of nineteenth-century American literature; or the work of a single author. Possible topics include slavery and abolition in American literature, nineteenth-century popular culture, the domestic novel, American Renaissance, and Whitman and Dickinson. May be repeated for credit when topics vary. Students should consult the Department’s Course Guide for detailed descriptions. Cr 3.

#### ENG 397 Irish Literature and Culture

Topics in Irish literature and culture, often set in the context of Irish history and politics. Sample topics include: Irish drama, Irish film; Yeats and Joyce; Joyce and Beckett; and Women and Irish Culture. May be repeated for credit when topics vary. Students should consult the Department’s Course Guide for detailed descriptions. Cr 3

#### ESL 006 Intensive Grammar

This course is a part of the Intensive English Language program (IELP). It focuses on building a stronger foundation in the grammatical skills necessary for more natural and accurate English, both oral and written. Through a series of grammatical exercises, meaningful drilling, and analysis of the structure of the English language, students will become more adept at producing a wider variety of language with a higher knowledge of use and form. The course will not only introduce new structures in language but also review and expand upon those already learned. (The credit for this course does not apply toward a baccalaureate or an associate’s degree.) Prerequisite: instructor’s permission. Cr 1.5

#### ESL 007 Listening and Oral Communication

This intermediate to high-intermediate course is part of the curriculum of the Intensive English Language program. The course focuses on the improvement of the listening and oral skills that are necessary for the university classroom. Much of the material is derived from authentic sources, such as radio and television broadcasts, as well as lectures on a variety of topics that might be encountered in a university setting. The primary goal of the course is to assist students in recognizing a variety of spoken English and to discuss and respond to the issues. Students will also be exposed to a wide variety of vocabulary and grammatical structure as it arises in context. (The credit for this course does not apply toward a baccalaureate or an associate degree.) Prerequisite: instructor’s permission. Cr 1.5

#### ESL 008 Reading and Writing

This intermediate/higher intermediate course is a part of the curriculum of the Intensive English Language program. The course focuses on the improvement of the reading and writing skills that are necessary for the university classroom. All of the reading is from authentic sources emphasizing academic writing strategies for writing short reaction papers, summaries, and essays based on the readings. Informal journal writing is an integral part of the course. Students will also be exposed to a wide vocabulary and systematic overview of grammatical structure. (The credit for this course does not apply toward a baccalaureate or an associate degree.) Prerequisite: instructor’s permission. Cr 1.5

#### ESL 009 Intensive Reading and Speaking Fluency

This course is part of the curriculum of the Intensive English Language program. It focuses on the development of the fluency in speaking and reading that are necessary for the university classroom. Emphasis is on developing speed and comprehension of the skill areas. All of the reading is from authentic sources on a wide variety of topics, both fiction and non-fiction. Students will learn strategies for speaking in front of a group, compensating for accent, and conducting informational interviews. (The credit for this course does not apply toward a baccalaureate or associate degree.) Prerequisite: instructor’s permission. Cr 1.5

#### ESL 016 Grammar

No description available. Cr 1.5

#### ESL 017 Listening & Oral Communication

No description available. Cr 1.5

#### ESL 018 Reading, Writing & Vocabulary

No description available. Cr 1.5

#### ESL 019 Reading & Speaking Fluency

No description available. Cr 1.5

#### ESL 098 English Language Bridge Level I: Intermediate Grammar and Writing

This is an intermediate-level English language course for English Language Bridge (ELB) students whose first language is not English. This is a developmental course that will enable students to benefit from a stronger foundation in understanding and using English grammar correctly. Emphasis is on understanding the meaning, use, and form of common grammar structures needed for academic writing. Students will have a basic knowledge of English grammar, but will need more work on accurate production of English, both oral and written, through a series of grammatical, written, and oral exercises. This course prepares students for the more advanced ESL 102. (The credit for this course does not apply toward a baccalaureate or an associate degree.) Prerequisite: instructor permission. Cr 3.

#### ESL 099 English Language Bridge Level I: Intermediate Reading, Writing, and Vocabulary

This is an intermediate-level English language course for English Language Bridge (ELB) students whose first language is not English. This is a developmental ESL course designed to help students compose fluent and accurate writing as used in academic settings. Students will develop a greater sense of confidence in using written English as a method of communication. Emphasis will be placed on achieving unity and coherence in written compositions and on understanding the mechanical aspects of the essay. Students will learn to read for meaning and to analyze authentic texts. Through reading, writing, and specific exercises, students will expand their grasp of vocabulary and idiom needed for academic work and progress into ESL 103. (The credit for this course does not apply toward a baccalaureate or an associate degree.) Prerequisite: instructor permission. Cr 3.

#### ESL 100 College Writing

This section of College Writing is intended for non-native speakers of English only. The course focuses on the analysis of professional and student writing as a way of sharpening awareness of how to use the English language effectively for use in the academic classroom. The writing assignments encourage students to apply the principles discussed in class to their own work. This course cannot be used to satisfy a humanities requirement. Prerequisite: ESL 104 or instructor’s permission. Cr 3

#### ESL 102 English for Speakers of Other Languages: Advanced Grammar and Writing

An advanced-level English language course for non-native speakers of English focusing on building a stronger foundation of grammatical skills that will aid students in producing more natural and accurate writing skills in the English language. Emphasis is placed on



understanding and using grammar structures needed for academic writing and discussion on the university level. Through a series of grammatical exercises, meaningful drilling, both written and oral, and analysis of the structure of English, students will become better used to producing more complex sentences and short essays. Prerequisite: ESL 011 or instructor's permission. Cr 3

**ESL 103 English for Speakers of Other Languages Level II: Higher Intermediate Reading, Writing, and Vocabulary**  
A higher intermediate-level English language course for non-native speakers of English designed to help students produce grammatical, well-constructed, coherent English, in both written and spoken form. Based on the writing process, students will write and rewrite paragraphs and essays drawn from topical and academic reading, works of fiction, and class discussion. Students learn to read and analyze for content and style a variety of authentic works of fiction and non-fiction. A strong focus will be on enhancing the students' academic vocabulary. Prerequisite: ESL 010 or instructor's permission. Cr 3

**ESL 104 English for Speakers of Other Languages Level III: Advanced Reading, Writing, and Vocabulary**  
An advanced-level English language course for non-native speakers of English who are nearly ready for College Writing but need additional work in fine-tuning their language skills. Much of the work done in this class will focus on reading academic literature, fiction, and non-fiction, as well as the academic writing skills necessary for university work. Additional focus will be on vocabulary extension and the use of idiom. Students will be required to write short essays, keep a written journal, and make a major oral presentation in class. Prerequisite: ESL 103 or instructor's permission. Cr 3

**ESP 101 Fundamentals of Environmental Science**  
This course is an examination of the science of environmental problems, processes, and solutions. Students will explore the interrelationships of the natural world, the environment, and impacts from humans. Specific topics will include land, air, and water pollution; biodiversity; global climate change; energy; public health; and sustainability. Prerequisites: successful completion of the University's writing and mathematics proficiency requirements. Co-requisite: ESP 102. Cr 3

**ESP 102 Fundamentals of Environmental Science Laboratory**  
This laboratory course is designed to provide applied experience with some of the tools and techniques used in environmental science. Students will examine a variety of environmental issues using field kits, lab equipment, and computers. Prerequisites: successful completion of the University's writing and mathematics proficiency requirements. Co-requisite: ESP 101. Cr 1

**ESP 108/GEO 108 Introduction to ArcGIS**  
An introduction to Geographic Information Systems (GIS), stressing the practical applications of popular graphical user interface (GUI) software packages such as ArcView. Topics covered include displaying, downloading, editing, analyzing, and printing public domain and user-created geographical data sets. The main emphasis of the course is on the acquisition of system operations skills. Cr 3

**ESP 150 Environmental Science Field Immersion Session**  
This field immersion session is designed to teach basic natural science field skills and build community in a long weekend format. The course includes components on forest, soil, aquatic, wildlife, and urban systems. Basic orienteering and map reading, topographical surveying, global positioning system operation, aerial photo interpretation, and dichotomous key use are emphasized. This required course is intended for students between the first and second year of the environmental science major. Students must be present for the entire immersion session. Cr 3

**ESP 197 Research Skills Lab**  
This ten-week, lab-style course is designed to develop students' study and research skills to foster academic success as a major in the Department of Environmental Science. Topics will include literature searching, website evaluation, peer review process, critical thinking, finding articles and books, plagiarism, proper citation, primary and secondary sources, and the writing process. The final project is a written literature review on a selected environmental topic. Cr. 1.

**ESP 210 Planning Maine Communities**  
No description available. Cr 3.

**ESP 220 Introduction to Environmental Policy**  
This course is an intensive introduction to the field of applied environmental policy within the framework of the national policy process. The course will focus on the policy process, including environmental problem identification, solution analysis, analysis and use of environmental policy tools, decision making, and policy implementation. Particular emphasis is given to air and water pollution and solid waste management. Prerequisites: ESP 203. Cr 3

**ESP/REC 223 Nature-based Tourism**  
This course covers the basics of nature tourism, a fast-growing, broad category that covers ecotourism and adventure tourism. An emphasis is placed on a variety of tourist activities and programs involving the outdoors in Maine and northern New England. This is a required course for a minor in nature tourism. Cr 3

**ESP 250 Soils and Land Use**  
Study and description of soils as natural materials in the landscape. The course includes an examination of physical, chemical, and biological properties of soils as they affect soil-plant-water relations. Other topics include soil classification and suitability for agriculture, urban development, and contaminant remediation. Laboratory exercises include field examinations of soils and physical and chemical soil analyses. Prerequisites: ESP 101/102 and one semester of chemistry lecture/lab or permission of instructor. Cr 4.

**ESP 275 Energy Use & Societal Adaptation**  
This course focuses on the topic of energy, its utility, its use, and its impact on society and the environment. Subjects to be explored include: 1) traditional, modern and future energy resources; 2) energy consumption; 3) energy technologies; 4) energy and the environment and 5) sustainable development. The class will consist of a combination of lectures and seminars using a variety of media, including textbooks, technical articles, print, and video. Prerequisites: ESP 101/102. Cr 3

**ESP 280 Research and Analytical Methods**  
A focus on analytical and research techniques for environmental science and policy. The course is centered on the use of instrumentation and investigative research to address a thematic environmental issue. Topics include defining research problems, experiment design, measurement, sampling, and analysis. Students will complete group research projects. Prerequisites: ESP 203 and CHY 113/114. Cr 4

**ESP 311 Renewable Energy/Energy Efficiency I**  
This course provides students with an understanding of how to identify opportunities for energy saving at the residential building level. The course will be modeled after the findings of a typical home energy audit, with an emphasis on weatherization, indoor air quality, and utility use. Prerequisite: ESP 101/102, or permission of instructor; Co-requisite: ESP 312. Cr 3

**ESP 326 Environmental Economics**  
This course considers the economic aspects of resource and environmental issues, such as pollution, the use and management of natural resources, environmental justice, and global climate change. In addressing each of these issues we will investigate the implications of various public policy responses such as regulation, marketable permits, and tax incentives. Prerequisite: ECO 102 or instructor permission. Cr 3

**ESP 340 Environmental Regulations**  
This online course is an intensive introduction to the federal and Maine environmental regulatory structure. This course is designed to provide basic competency in the knowledge and application of environmental regulations, including air, surface water, drinking water, worker protection, spill reporting, and hazardous and solid waste. Cr 3

**EYE 102 Sustainability, Culture and the Environment**  
Why do some societies, such as the Mayan of Central America and the Rapanui of Easter Island, collapse? Why have other societies survived? How do cultural beliefs and practices relate to the health of the environment and even the health and welfare of entire societies? How might these lessons be important to our own future? Come and explore the historical, cultural and environmental challenges of sustainability. Cr 3

**EYE 105 Life is a Matrix**  
"Life is a Matrix" introduces students to a new vision of the quantitative reality surrounding them. This first year seminar will use first hand examples from the social sciences, the arts, the humanities and some of the natural sciences to present an overview of how quantitatively oriented reality is. Specific examples will give students the possibility to practice their analytical understanding of information, while improving their mathematical skills to...deal with traffic flows while getting to school on time, understand quantities in recipes or even figuring out the right formulas to win at the black jack table! Cr 3

**EYE 108 Culture, Identity and Education**  
This course focuses on the interrelationships among group affiliation, a quest for inquiry and learning, one's role within society, and one's personal identity. The course explores the basic questions of "Who are you"? and "What/who has influenced who you are and who you wish to become"? Through readings, written assignments, and discussions, students will examine the relationship between culture, education, and personal identity. Using concepts from sociology and educational psychology, students will analyze educational settings, aims, and procedures and compare these to their own successes or challenges with institutional learning. Cr 3

**EYE 112 The Built Environment: Energy**  
We live in a world that is full of things and processes that humans have built, that humans have designed, that humans have engineered to satisfy their needs and desires. During this course students will engage with the people, processes, and practices of imagining, analyzing, designing, building, testing, critiquing, and improving those aspects of our world that are built by humans for humans – our engineered world. Particular attention will be on energy – what energy is, where it comes from, how it is transformed and used, advantages and disadvantages of various types of energy such as fossil, solar, wind, hydro, biomass, and nuclear. Because this is a studio class, class time is adequate for class activities. Course fee covers most supplies and materials, and purchase of a textbook is not required. Students should have very basic algebra skills. Extra course fee of \$100. Cr 3

**EYE 116 Nature/Nurture**  
The completion of the human genome project has reawakened a tendency for people to account for mental functioning, behavior, health and disease as the product of biology. But how much of our personality, intelligence, behavior is the product of our biological makeup? To what degree are we shaped by natural, social and cultural influences in the world? What do various answers to these questions suggest about our ability to change? How do these answers influence decisions we might make about utilizing genetic screening and genetic engineering? Cr 3

**EYE 117 Nature, Society & Self**  
How do I relate to the natural world? How do I relate to civil society? How do I act resolutely, self-reliantly, ethically, and in concert with nature? These questions are central to EYE 117. Answering these questions requires being awake to the world, being capable of close observation and measurement, being self-consciously thoughtful and able to make meaning of the world around you, and being disciplined in self-reflection. \$100 course fee required to cover course field trips. Cr 3.

**EYE 118 Musician's Health: A Path to Peak Performance**  
A practical course aimed at musicians in developing strategies for preparing themselves physically and psychologically to achieve their maximal performance potential. Students will learn the principles and practices of injury prevention, healthy lifestyle and practicing habits, performance psychology, and the interrelationship of physiology and psychology for the performing musician. Co-requisite: MUP 101, 102, 201, 202, or 203. Open to all students. Cr 3

**EYE 125 Getting Down to More Sustainable Business**  
This course is an integrated, comprehensive overview of the way a business operates, and what it is like to manage one. Emphasis is placed upon learning how to function as part of a management team in a decision-making environment. Students are also asked to examine how they prefer to manage change, tolerate stress, resolve conflicts, and build and maintain interpersonal relationships. This course introduces students to the basic, disciplinary knowledge used in running a business, such as finance, marketing,

production, and management. It exposes them to the processes and problems encountered in work-team formation, group decision-making, and peer evaluation. It does this through class discussions and by using a business simulation game to provide a common set of experiences for discussion and as a background against which the various major functions of business can be displayed. Cr 3

**EYE 126 What is Race?**  
In this course, we will address the concept of "race" in the U.S. from various disciplines, including anthropology, biology, history, sociology, and literature. We will begin with an exploration of the legacy of past understandings about race and historical policies. Then, for the majority of the course, we will focus on race in our current culture (e.g. from the second half of the 20th century on) Cr 3.

**EYE 127 Friendship**  
This course is an interdisciplinary examination of friendship that brings resources of philosophy, sociology, and literature to bear on our experience and understanding of this relationship. It addresses the following questions: What is meant by "friendship"? In what ways does the experience and understanding of friendship change over time and across cultures? What is the impact of modern technology on friendship? What are impediments to and pitfalls in this form of human affection? Can friendship be a problem? What conditions help establish friendship and allow it to flourish? Is friendship thinning in modern society and, if so, for what reasons? Cr 3.

**EYE 130 Discovering the Business of Sport**  
Many students are passionate about sports. They have played sports, have a favorite team, sport, or player, and/or are actively engaged in fantasy sports. Typically, however, that is where students' knowledge of the sport industry ends. The purpose of this course is to introduce the field of sport management to first year students in an effort to broaden their sport knowledge, in particular, the unique business aspects of sport and careers in sport. This course is also designed to assist students in their understanding of college level academic expectations including responsibility, preparedness, and writing and presentation skills. Cr 3

**FIN 320 Basic Financial Management**  
This course is a balanced introduction to the theory and practice of financial management. It prepares students to make basic financial decisions and understand the decisions of others. Topics include time value of money, capital markets, risk and return, stock and bond valuation, capital budgeting, capital structure, and working capital management. Prerequisites: ACC 211 (or concurrent), ECO 101, ECO 102 (or concurrent), BUS 275 or MAT 212 (or concurrent), and junior standing. Cr 3

**FIN 321 Personal Financial Planning**  
This course begins to prepare students for a career as a professional financial planner by providing fundamental concepts and principles of personal financial planning, applied with a quantifiable approach to achieving client objectives. Topics include general principles of financial planning, the changing nature of the financial services environment, code of ethics and professional responsibility, credit and debt management, budgeting, personal taxes, employee benefit planning, goal attainment, investment planning, risk management through the purchase of insurance, retirement planning, and estate planning. The course will include casework and current financial planning problem scenarios. Prerequisites: FIN 320 and junior standing. Cr 3

**FIN 326 Financial Modeling**  
Introduces principles and techniques for building and implementing financial models. Topics are drawn from a variety of areas: financial planning, investments, derivatives, and corporate finance. The course emphasizes the application of financial modeling techniques in identifying and implementing business solutions. The course will be of special interest to students seeking hands-on experience constructing financial models. Prerequisites: FIN 320 and junior standing. Cr 3

**FRE 101 Beginning French I**  
This beginner's course in French stresses the acquisition of cultural information and introduces the student to the four skills of language learning: listening comprehension, speaking, reading, and writing. The course requires coordinated work in a variety of audio-visual media. Cr 4

**FRE 201 Intermediate French I**  
Review of grammatical structures with further development of listening comprehension, speaking, reading and writing skills. The emphasis will be on understanding cultures and contemporary life of French-speaking countries through reading and discussion. The course requires coordinated work in a variety of audio-visual media. Prerequisites: FRE 102, or FRE 103, or FRE 107; two years of high school French or the equivalent or permission of instructor. Cr 4

**FRE 301 Practical French I**  
Comprehensive review of French grammar, enrichment of vocabulary, and practice in conversation, using a variety of materials, including films, videos, songs, interviews, newspapers and periodicals. Emphasis will be on achieving proficiency in all areas. Prerequisite: FRE 202 or equivalent. Cr 3

**GEO 101 Human Geography**  
This course examines social, economic, and political processes that shape the contemporary global landscape, with particular emphasis on the relationships between developed and developing regions of the world. Cartography, population trends, agricultural systems, migration, urbanization, and industrialization are among the topics covered. Cr 3

**GEO 103 Human-Environmental Geography**  
Using geographic perspectives, this course focuses on the changing nature of the earth's environment and the human role in these changes. Both direct and indirect human impacts on the biosphere, the atmosphere, and the hydrosphere are considered, including tropical deforestation and the loss of biodiversity, the human role in global climate change, and the impact of human actions on world fisheries. Local and regional examples will be incorporated. Cr 3

**GEO 108 Introduction to ArcGIS**  
An introduction to the ArcGIS software, stressing basic operation of this popular GIS package. Topics covered include system navigation, data display, data download, and printing public domain and user-created geographical data sets. Cr 3

**GEO 203 Urban & Regional Development**  
Students will survey contemporary patterns of urban and regional development through comparative analysis. Students will examine links between urbanization, employment, and social welfare in different political and economic contexts as the course moves from the global scale to the local. Students will be introduced to a series of research skills including the use of computer databases and spreadsheet programs, many of which will be of use in other courses. Cr 3

**GEO 210 Planning Maine Communities: Current Issues and Directions**  
This course will examine the issues facing Maine communities such as providing affordable housing, maintaining and improving the community's physical facilities such as streets, sewers, playgrounds, etc., disposing of solid and hazardous wastes, stimulating jobs and economic development, providing adequate transportation facilities, and preserving Maine's environment and lifestyle in the face of growth. It will also address how these issues can be addressed through the use of the planning process and sound planning techniques. Cr 3.

**GEO 303 Economic Geography**  
This course examines the intersection between economies and geography. Emphasis is placed on the social, cultural, and political contexts within which economies develop and are regulated and restructured. Students are introduced to the skills which allow them to interpret and understand the present economic landscapes and to evaluate the factors and trends that anticipate the future. Prerequisites: one of the following: ANT 101, GEO 101, GEO 203, ECO 101, ECO 102, or permission of instructor. Cr 3.

**GEO 305 Remote Sensing**  
Theory and techniques of image processing and analysis for remotely sensed digital data acquired from airborne and satellite platforms. Topics include image enhancement and classifications, spectral analysis, and landscape change detection techniques. Practical applications of natural and built landscapes are considered using remotely sensed datasets and techniques. Prerequisite: GEO 108 or equivalent or permission of instructor. Cr 3

**GEO 408 GIS Applications II**  
Students explore the use of geographical information systems (GIS) in research and professional environments. Building upon knowledge and skills developed in GEO 308, students design and execute a substantial



project. Project design focuses on generating hypotheses, planning time lines and individual work assignments, and identifying technical and data resources. Projected execution is undertaken using a variety of raster, vector, and graphical user interface (GUI) software, as appropriate. Prerequisite: GEO 308 or permission of instructor.

#### GER 101 Beginning German I

This beginner's course in German stresses the acquisition of cultural information and introduces the student to the four skills of language learning: listening comprehension, speaking, reading, and writing. In conjunction with class meetings, additional work is required using language lab resources. Opportunity for practice with videotapes and computer exercises is available. Cr 5

#### GER 201 Intermediate German I

Review of grammar. Further development of listening comprehension, speaking and reading skills. Emphasis on understanding German culture and contemporary life through reading and discussion of short stories, articles and essays. Students are encouraged to also register for laboratory practice (one more credit). Prerequisite: GER 102, two years of high school German or the equivalent. Cr 4

#### GEY 100 Volcanoes, Earthquakes, and Moving Plates

An introduction to minerals, rocks, and the processes that have continually shaped the earth over hundreds of millions of years of geologic history. The course also explores how the movements of crustal plates generates earthquakes, volcanoes, continental rifting, sea floor spreading, subduction, and continental-scale mountain ranges. For K credit, registration in one of the following: GEY 101, GEY 102, or GEY 106 is required; concurrent registration is recommended. Cr 3

#### GEY 101 Lab Experiences in Geology

Weekly lab sessions will focus on the basic skills of mineral identification, rock classification, and interpretation of topographic and geologic maps. Field trips to local geologic sites of interest will help illustrate rock types and geologic processes that shape our world. Traditional map, compass, and modern GPS techniques will be utilized. For K credit, registration in one of the following: GEY 100, GEY 103, or GEY 105 is required; concurrent registration is recommended. Cr 1

#### GEY 103 Floods, Glaciers, and Changing Climate

This course focuses on the external processes that shape earth's surface, including rivers, groundwater, glaciers, oceans, climate, and landslides. The course will also examine issues such as flood control, water resources, and climate change, where these external processes have large impacts on society. For K credit, registration in one of the following: GEY 101, GEY 102, or GEY 106 is required; concurrent registration is recommended. Cr 3

#### GEY 105 Ocean Planet

An interdisciplinary look at the science of the ocean, emphasizing connections between land, sea, and atmosphere. Basic concepts in chemistry, geology, physics, and biology are taught as they apply to marine phenomena such as salinity, ocean floor formation, currents, waves, seafloor sediments and rocks, and marine life. Students must have fulfilled the University's minimum proficiency requirements in mathematics. For K credit, registration in one of the following: GEY 101, GEY 102, or GEY 106 is required; concurrent registration is recommended. Cr 3

#### GEY 106 Ocean Planet Laboratory

Major concepts from GEY 105 are illustrated using hands-on activities. Students perform a variety of tasks designed to promote understanding of scientific methods and data analysis. Classes held in the lab include a range of chemical, physical, and geological exercises. Field trips may involve observing a variety of coastal phenomena including waves, beach formation, rocky shoreline geology, or intertidal zonation. Students must have fulfilled the University's minimum proficiency requirements in mathematics. For K credit, registration in one of the following: GEY 100, GEY 103, or GEY 105 is required; concurrent registration is recommended. Cr 1

#### GEY 199 Topics

No description available. Cr 3.

#### GEY 203 Mineralogy

The course concentrates on the silicate family of minerals, but also examines non-silicate mineral families. Subject areas covered include crystallography, crystal chemistry, and environments of mineral formation. In one lab each week, students will examine crystals and minerals in hand specimens. In a second lab each week, the rudiments of optical

crystallography are introduced and students will examine minerals microscopically. Three hours lecture and four hours lab. Prerequisite: completion of a 100-level geoscience lecture and lab; CHY 113 and CHY 114 are recommended. Cr 5.

#### GEY 204 Crustal Deformation

The crustal rocks exposed in coastal Maine are examined. Students learn to recognize, describe, and interpret a wide variety of outcrop-scale structures. In weekly field-based labs, students will use Brunton compasses, manual and digital stereonet, outcrop mapping techniques, GPS and clay deformation devices to analyze the local geologic structure and tectonic history. Prerequisite: completion of a 100-level geoscience lecture and lab. Three hours lecture and four hours lab. Cr 5

#### GEY 240 X-Ray Powder Diffraction Laboratory

This is an applications laboratory designed for junior or senior level majors in geosciences, or any discipline that requires the characterization and identification of crystalline solids. Students will develop a working knowledge of elementary crystallography, sample preparation and identification using x-ray diffraction. Projects will utilize a series of increasingly complex materials and mixtures, culminating with a narrowly defined research project. Prerequisite: GEY 203 or concurrent or CHY 113 and CHY 114 or concurrent, or permission of instructor. Cr 1.

#### GEY 302 Sedimentation and Stratigraphy

Students focus on the processes that produce sediments and the mechanisms by which they are eroded, transported, and deposited. By carefully examining the motifs, models, and characteristics found in the sediment composition, texture, and features in modern-day sedimentary environments, clues can be found to understanding the historical sedimentary record. Three hours lecture, three hours lab. Prerequisite: GEY 202 or permission of instructor. Cr 4.

#### HON 100 Thinking and Writing in Honors

This course combines the basic mechanics of a college writing course with an introduction to text analysis and critical thinking. It is specifically designed to provide skills that will be used in all the Honors courses. It is highly recommended for all entering Honors students. Cr 4

#### HON 101 Wisdom Stories from Antiquity

The ancient cultures of the Mediterranean and Middle East are traditionally understood as roots of Western civilization. In this course students explore ancient philosophical, literary, political, and social traditions while critically reflecting upon the impact of those traditions as they influence cultures we identify as "our own." Cr 4

#### HON 175 oral Interpretation of Texts

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. Prerequisite: College Writing and EYE (either may be concurrent); honors student (or permission). Students may not receive credit for both HON 175 and THE 175. Cr 3.

#### HON 200 Honors Science Exploration

This seminar provides an interdisciplinary introduction to scientific discourses and practices; topics vary by semester. It combines concepts and methods of inquiry from multiple disciplines such as biology, chemistry, psychology, anthropology, ecology, history, or public policy. These explorations are synthesized by students in an independent project. HON 200 students must co-register for HON 201. [Students with credit for an approved college-level lab related to the topic should register for HON 210 to take the seminar without the lab.] Students without prior honors credits are encouraged to contact the Honors Office for permission to enroll. Cr. 3

#### HON 201 Interdisciplinary Inquiry in the Sciences of the Human Body

This course provides an interdisciplinary introduction to scientific discourses and scientific practices concerning the human body. It combines selected concepts and methods of inquiry from several disciplines, including molecular biology, human genetics, anatomy, biological anthropology, human ecology, and the history of medicine. Students and faculty will critically examine the history of various constitutive practices and scientific representations of the body, including many

Western scientific conceptions of the body as these have emerged from the European Renaissance through modernity. An integrated sequence of weekly laboratory/practicum sessions will accompany these seminars, providing students the opportunity to apply various methods of scientific inquiry from disciplines that address the human body. These explorations are synthesized by students in an independent research project. This project provides an opportunity for student to address their own embodiment in the context of a capacious civic question (e.g., the human genome project, environmental toxicity, viral epidemics, genetic therapy, etc.). Cr 4

#### HON 210 Honors Science Seminar

This seminar provides an interdisciplinary introduction to scientific discourses and practices; topics vary by semester. It combines concepts and methods of inquiry from multiple disciplines such as biology, chemistry, psychology, anthropology, ecology, or history. These explorations are synthesized by students in an independent project. Students without prior honors credits are encouraged to contact the Honors Office for permission to enroll. Note: This seminar does NOT fulfill USM's Core Science requirement. Cr 3.

#### HON 299 Honor Topics

This seminar provides an interdisciplinary introduction to scientific discourses and practices; topics vary by semester. It combines concepts and methods of inquiry from multiple disciplines such as biology, chemistry, psychology, anthropology, ecology, or history. These explorations are synthesized by students in an independent project. Students without prior honors credits are encouraged to contact the Honors Office for permission to enroll. Note: This seminar does NOT fulfill USM's Core Science requirement. Cr 3.

#### HON 310 Honors Global Inquiry

Each instructor selects a semester-long theme to foster world-mindedness and engage students in critical reflection on their responsibilities for informed decision making and action in their public and private roles. Prerequisite: sophomore standing (ideally 2nd semester sophomore) and honors student (or permission). Cr. 3 (Also meets Core International requirement)

#### HON 311 Honors Thesis I: Workshop

Each Honors student will plan and carry out a major thesis project as the final stage of Honors work. This workshop course will acquaint students with research proposal development for the project and assist them in the design and evaluation of project outlines. It will involve both group meetings and individual work with the student's project mentors. Cr 4

#### HON 321 Honors Directed Research

This optional course allows an Honors student with interests in a particular subject area to do research in that area under the direction of a faculty supervisor. The research may be carried out in any subject area, with the approval of the director. Cr 1-3

#### HRD 110 Choices, Changes, and Careers

The focus of this course is on self and career exploration and the critical role of personal decision making in identifying and pursuing fields of interest. Students will learn to understand their own decision-making process and the factors that influence this process. Course activities will include assessments of self, assessments of interest, and explorations of the world of work. Throughout the course, students will be introduced to available resources and support systems and be engaged in activities that will help them become involved in the University community. Prerequisite: fewer than 45 earned credit hours. Cr 3

#### HRD 200 Multicultural Human 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. Prerequisite: second-semester freshman or above. Cr 3

#### HTY 101 Western Civilization I

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

#### HTY 121 United States History to 1800

A thematic treatment of the formative period of early American history from the era of European colonial expansion to the so-called Revolution of 1800. Political, social, economic, intellectual, and institutional development provides a context for addressing the peoples, personalities, and events of the colonial and early national stages of growth of the United States and its relations with the larger world. Cr 3

#### HTY 122 United States History 1800 to 1900

A thematic treatment of the nineteenth-century United States and its peoples. Chronological coverage of the nation's political, social, economic, intellectual, and institutional development provides the context for addressing the personalities and events of the country and its relations with the larger world. Cr 3

#### HTY 123 United States History since 1900

A continuation of the treatment of the American people and nation extends coverage of political, social, economic, intellectual, institutional, and diplomatic development through the twentieth century. The events, issues, and peoples of the modern nation and their relation to the larger world are covered within the country's increasing international involvement. Cr 3

#### HTY 141 African American History to 1865

Topics covered in this survey course include the persistence of African culture in the Americas, the Atlantic slave trade, an in-depth analysis of slavery as it impacted women and children, and the early African American voice as found in primary sources. The course will use various forms of media in instruction and research. Cr 3

#### HTY 171 Traditional East Asia

The history and culture of China and Japan from earliest times to about 1700, with emphasis on the composition of the "traditional" societies. Cr 3

#### HTY 182 Latin America II

This survey begins with the shattering of Iberian colonialism, and moves rapidly into the twentieth century. Special attention is given to Mexico, Brazil, Argentina and Cuba, and their varying solutions to the problem of national development. Every Spring semester. Cr 3.

#### HTY 200 Reference, Research, and Report Writing

An introduction to research and writing, designed to prepare undergraduates for the requirements of upper-level courses in history and the social sciences with emphasis on practical methods of utilizing a library, locating materials, taking and organizing notes, and writing and rewriting research papers and reports. History majors are strongly encouraged to take this course in the sophomore year, but no later than the first semester of the junior year. Preference to history majors. Prerequisite: sophomore status or permission. Cr 3.

#### HTY 304 History of Rome

This course surveys the political, social, and religious history of the Roman state from the eighth century B.C.E. to the fifth century C.E. Emphasis is given to the period of the Roman Republic (509-31 B.C.E.) and to the rise of Christianity within the Roman Empire. Prerequisite: HTY 101 or equivalent. Cr 3.

#### HTY 335 Genocide in Our Time

This course will analyze the nature of evil/genocide by examining examples of governmentally or ideologically initiated murder. It will seek to understand the historical background and reality of victim, bystander, and victimizer. It will use a number of approaches, namely psychological, philosophical, religious, sociological, and political to help our understanding. Cr 3.

#### HTY 356 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 122 or permission. Cr 3.

#### HTY 372 American Social & Intellectual History I

An analysis of the evolution of American religious, political, economic, social, and scientific thought from the colonial period to 1865. The course examines major principles, assumptions, and values; the relation of American thought to class structure, ethnic and racial associations, mobility, and immigration; and the relation of American thought to contemporary intellectual patterns in the Western world. Prerequisite: HTY 121 or 122 or permission. Cr 3

#### HTY 380 The 1960's

This course examines social, political, economic, and cultural developments in the United States in the period from 1960 to 1970. It also looks at events worldwide, and the contested meaning of "The Sixties." Cr 3

#### HTY 394 Selected Topics in History

An analysis of a selected historical problem not already covered by regular course offerings in history will be offered. The course may be repeated for credit when different topics are offered. (Offered occasionally) Cr 3

#### HUM 105 Basic Photography

This course is an introduction to black and white photography, designed to help students gain understanding through "hands-on" photographic work. Lectures include classroom discussions concerning the history and aesthetics of photography, and techniques include camera and lens functions, exposure methods, basic black and white film processing, printmaking, print finishing, and presentation techniques. Cr 3

#### HUM 125 French Language and Maine Society

This is an introductory course for the French language. Students will also learn about the cultural and linguistic context of French society in Maine and eastern North America. Students will use the French language they are studying to work with the Franco-American Collection and Maine Franco-American communities. Cr 3.

#### HUM 201 Creative Writing

This course is an introduction to the basic principles and practices of writing memoir, fiction, flash fiction, and poetry. Students will be exposed to a variety of writing modes through exercises and engagement with literary texts. Emphasis is on using imaginative and precise language and on assembling a portfolio of revised student writing. Prerequisite: LCC 110. Suggested preparation: LCC 250. Cr 3

#### HUM 300 Literary and cultural Theory and Practice

This course explores the relationships among writers, texts, and readers, each shaping and shaped by the others. The aim of this course is to introduce key concepts and critical terms of contemporary literary and cultural theory. Students learn to put these theories into practice. This course has been approved by the State Department of Education for content area in secondary English. Cr. 3

#### HUM 301 French North America

Students will gain a broad understanding of the history and culture of French-speaking peoples in North America, from the colonial period to the modern era. Students will encounter not just the well-known communities in French Canada and Haiti, but other smaller communities in North America. Students will discover a variety of French cultural arts, including cuisine, music, art, theater and literature. In particular, students will appreciate the relationship between Franco-Americans in New England and Maine, and the wider community of American Francophones. Cr. 3

#### HUM 304 Writing Children's Literature: How to Craft Compelling Stories

An exploration of how real life stories, details, characters, and voices combine with images to create compelling children's stories. This course includes lecture, class discussion and writing workshops. Cr 3

#### HUM 316 New Digital Media Literacies: Self-Fashioning and Critiquing Information

Students investigate, critique, and engage in a range of experiments to discover how new media radically change both thinking and language, as visual material, writing, and technology interplay online to form new, hybridic modes of reading and writing, teaching and learning. Drawing from such diverse fields as literature, geography, and education, areas covered include digital Shakespeare, the internet as a utopia, and a



video game field study to explore multi-modal thinking. Prerequisites: College Writing (LCC 110/111) and Critical Thinking (LCC 200) with a C or better. Cr. 3

**HUM 325 World History and Geography I**  
This is the first in a series of two courses that are designed to help students develop an understanding of and an appreciation for world history and geography. The course's goal is to provide students with a humanistic background from which to better comprehend global complexities. This course will cover the period from prehistory to the age of modern expansion, from about 50,000 to 500 years ago. Prerequisite: Only students with more than 45 credits are permitted to take this course. This course has been approved by the State Department of Education for content area in secondary Social Studies. Cr.3

**HUM 345 Leadership in Film**  
Like literature, film allows for an exploration of various themes and experiences that would not normally be available to an individual. This course seeks to capture this opportunity by seeking to understand leadership as it is presented in various films. Through the use of film, we will explore themes relating to leadership such as power, influence, oppression, ethics, service, and more. Cr.3.

**HUM 349 Trauma and Narrative**  
This course examines the medical, political, and cultural history of the concept of trauma, focusing on how trauma has become a core concern in both contemporary clinical psychology and literary criticism. We consider models for conceptualizing responses to traumatic experiences. Topics include the diagnostic criteria of Post-Traumatic Stress Disorder, recommended treatment approaches, risk and protective factors. Students explore narrative vs. traumatic memories and carefully examine a number of literary texts and films to analyze the characteristics of representations of traumatic memory. The idea that fashioning a narrative of traumatic experience is essential to trauma therapy and to the healing effects of trauma literature, will also be explored. Cr. 3

**HUM 369 Exploring Careers, Choosing Life Roles**  
In this mid-level course in the career development series, students relate self-knowledge to career and life roles, with an emphasis on gaining and managing career information; learning various career and life decision-making strategies; and communicating formative academic, co-curricular, and professional experiences in such formats as accomplishment statements and informal interviews. Prerequisite: LCC 123 or LCC 345. Offered fall, spring, summer. Cr 1.5.

**HUM 385 Global Past, Global Present**  
This course is a thematic survey of global history from its origins to the present. Its aim is to provide a wide contextualized understanding of human existence in a new format that is called 'Big History,' a concept that integrates knowledge from the natural and social sciences with the humanities. The result is a more realistic understanding of how humans fit into the vast expanse of the universe. As a part of this survey, students will consider some of the challenges of modern globalization, with an important theme being the quest to develop sustainable and ethical lifestyles. The overall focus of this course will be on what such knowledge might mean in everyday life and how we as responsible individuals and a responsible species should conduct ourselves in this world. Cr. 3

**ITA 101 Beginning Italian I**  
No description available. Cr 4

**ITC 100 Introduction to Construction Management**  
This course is the first course in the construction management program and will introduce students to construction management. Topics include: the scope of the construction industry, the scope of management activities, the bidding process, contracts, project stages, cost estimating, administration, operations and site management, project planning and scheduling, project monitoring, construction safety and health, and personal and company equipment. Cr 3

**ITC 341 Construction Documents I**  
This course will present the value and importance of how construction documents define the rights of, responsibilities of, and relationships among all the parties that are necessary for the successful completion of any project. The architect/engineer (A/E), the contractor(s), and all other project participants must work within guidelines for a successful project conception through design and

construction to facility management. Investigation into various documents, agreements, and conditions of contracts will be addressed. The importance of standardized document format will be emphasized. Prerequisite: ITC 100 or instructor permission. Cr 3

**ITC 351 Cost Estimating**  
This course will train students to estimate the costs of various construction activities. Emphasis will be placed on the theory and application of the primary concepts used in the analysis and control of costs pertaining to planning, development, and managing construction operations. The major themes of the budget estimating process; the bid contract estimating process; the negotiated contract estimating process; and advanced estimating techniques will be covered in the course. Spreadsheets and commercial estimating applications will be used. Prerequisite: ITC 100 or instructor permission. Cr 3

**ITP 210 Technical Writing**  
A basic study of techniques used in technical fields to communicate in writing. Study includes document purpose, situation analysis, style, format and production of reports, proposals, procedure sheets, technical descriptions, forms, letters, memos, and visual aids. Prerequisite: USM English and writing proficiency requirements must have been met. Prerequisite: College Writing or equivalent. Cr 3

**ITP 230 Project Management**  
This course will present a structured analysis of planning, organizing, directing, controlling, and monitoring resources related to completing a set of well-defined tasks. In this course, significant effort will be devoted to understanding the relationship between technology and human resources, and the demands placed on both as they interact. Also covered will be use of computer-based tools in the management of projects. Cr 3

**ITP 250 Management Information Systems**  
This course will serve as an introduction to management information systems in areas such as: decision support systems, resource and human resource management, enterprise resource planning, supply chain management, customer relationship management, project management, and records management. Topics covered will include but are not limited to: systems analysis, system modeling and design, data acquisition, security, and maintenance. Offered fall semester only. Cr 3.

**ITP 310 Plant Layout and Material Handling**  
A study of facility and workplace design. Emphasis will be on efficient layout and material flow through manufacturing, warehousing, and service facilities with attention given to the resulting impacts on product and process quality and environmental factors. Cr 3

**ITP 330 Production Control**  
Lectures, discussions, and problems dealing with the principles and practices of production and inventory control. Study includes information flow, forecasting, scheduling, capacity planning, material requirements planning, shop floor control, economic order quantities, order point analysis, ABC analysis, line balancing, project scheduling and just-in-time techniques. Prerequisite: basic math competency. Cr 3

**ITP 340 Fundamentals of Quality**  
An overview addressing fundamental concepts and principles of quality control applied to manufacturing and service sector industries. Major topics include theory and application of qualitative and quantitative tools and techniques as well as quality awards and standards. Specific topics include foundations of quality, planning tools, traditional tools, variability, process set-up verification, pre-control, SPC process capability analysis, acceptance sampling, and quality awards. The methodology, materials, and processes associated with solving problems, and working in teams to improve quality will be the primary focus of the course. Prerequisite: math proficiency or instructor permission. Cr 3

**ITP 350 Teambuilding and Facilitation**  
This course will expose students to a variety of topics related to teambuilding, conflict resolution, and the facilitation of meetings. Teambuilding topics include team types and functions, roles, and responsibilities of team members, stages of team development, and common team dynamics. Conflict resolution topics include acknowledging that conflicts will arise in personal and professional settings, understanding the positive and negative roles and manifestations of conflict, techniques for

embracing conflict, establishing boundaries for conflict in professional settings and meetings, and setting standards for professional and ethical responsibility when conflicts arise. Meeting facilitation topics include understanding the role of a meeting facilitator, identifying and understanding behavior and participation during meetings, meeting preparation, and meeting documentation. Cr 3

**ITP 381 Human Resource Development in Industry**  
An introduction to the development of human resources in industrial settings. Students are introduced to the organizational environment and the various functions of human resource management. Topics covered include human resource developments and requirements, training and development, compensation management, job analysis and classification, employee management relations, and other pertinent functions. Students become involved in career development for possible preparation of a portfolio of their prior learning and work experience. Cr 3

**ITS 320 Occupational Safety and Health**  
This introductory course provides input into the importance of safety and health in the workplace. Emphasis will be placed on the worker, his or her work environment including such special emphasis as OSHA and other regulatory agencies, hygiene, hazard identification, machine safeguarding, hazardous waste, loss control, and other major concern areas. The course includes the necessary topic areas required by OSHA's 30 hour card program. Upon satisfactory completion of this course, the student will receive the OSHA 30 hour card which is directly issued through OSHA's training unit. Cr 3

**ITT 181 Introduction to Computers**  
An introduction to current and emerging computer applications. The course includes an overview of basic computer hardware and operating system, file management, and general application software. Emphasis is on computer terms, concepts, and the integration of activities, including operating system functions, word processing, spreadsheets, databases, graphics, and communication. Lecture and lab. Cr 3

**ITT 221 Power and Energy Processing**  
A technical investigation into energy converters and transactional power systems. Course emphasis is on mechanical and electrical power transmission systems and their applications to modern technology and industrial equipment. Cr 3

**ITT 241 Graphic Communications**  
This course is a comprehensive survey of common reproduction systems having significance in graphic communications industries. It emphasizes overall workflow and the use of contemporary processes, equipment, and materials as they apply to graphic reproduction planning and design; preparation assembly; conversion; reproduction; distribution, transmission, and transfer; and storage and retrieval, including computer-based tools. Lecture and lab. Prerequisite: ITT 181, computer proficiency, or instructor permission. Cr 3

**ITT 272 Introduction to Computer Networking**  
The goal of this course is to develop an understanding of computer networks and provide basic background necessary for their construction and maintenance. It consists of readings, discussions, tours, and hands-on activities dealing with the structure, hardware, software, and protocols that make up computer networks. Prerequisite: ITT 181 or instructor permission. Cr 3

**ITT 281 Internet Web Site Development**  
This course develops a basic understanding of and skill in the design, development, and maintenance of Web sites. Topics include Internet fundamentals, Web site design methods, HTML, cascading style sheets, HTML editors, FTP, site maintenance, intellectual property issues, and working with clients. Students will develop sample Web and associated design documents, and maintain a Web site on a server. It is assumed that students will have a working knowledge of personal computers. Cr 3

**ITT 282 Computer-Aided Design**  
An introduction to computer-aided design systems and their relationship to design, drafting, production, and documentation processes. Emphasis is on understanding and utilizing computer-aided design (CAD) hardware and software. The course focuses on basic 2D and 3D functions as they generally apply to computer-aided design applications. Lecture and lab. Prerequisites: computer

proficiency and interpretation of technical drawings. Prerequisite: ITT 181 or instructor permission. Cr 3

**ITT 311 Telecommunications**  
An introduction to contemporary telecommunications hardware and applications. Emphasis includes state-of-the-art transmission media such as copper, fiber-optic, and wireless technologies including microwave, radio frequency, and infrared. Additional topics may include: classification of data networks; communications systems parameters such as bandwidth, serial parallel, analog and digital; modulation and multiplexing schemes; and the convergence of data, video, and voice networks. Prerequisite: ITT 181 or instructor permission. Cr 3

**ITT 344 Digital Video and Animation Technologies**  
This course surveys the fundamentals of digital video and animation. A focus on the application of recognized workflows and contemporary processes; and exploring emerging digital technologies for electronically capturing, recording, processing, storing, transmitting, and reconstructing a sequence of still images representing scenes in motion. Topics include established systems and emerging technologies for motion analysis, image processing, codecs, compression rates, and output technologies for image sharing on the Internet and cross-media; and the effect of optical illusion of motion due to the phenomenon of persistence of vision, and the methods of presenting animation is as a motion for visualizations and gaming. Prerequisite: ITT 231 or instructor permission. Offered fall semester only. Lecture and lab Cr 3.

**ITT 373 Intermediate Computer Networking**  
The goal of this course is to build upon and further the understanding of computer networks. Activities address the detailed construction, upgrade designs, and maintenance of both large and small networks. Assignments may include readings of articles and Web-based documents, discussions, tours, and hands-on activities dealing with structure, hardware, software, security, and protocols that make up modern computer networks. Prerequisite: ITT 272 (or ITT/TCE 370) or instructor permission. Cr 3

**LAC 112 Microsoft Excel**  
This course uses a problem-solving approach to electronic spreadsheets. It satisfies the LOS major's requirement and should follow the LAC 150 introductory course. Students will learn advanced data analysis, formulas, and create graphs to interpret the data. This course should be completed prior to taking the financial management, economics, or budgeting course. Prerequisite: LAC 150 or equivalent. Cr 1

**LAC 114 PowerPoint**  
This computer program allows users an electronic means of giving presentations to groups of people. Students will learn how to create electronic slides using written, graphic, and sound materials. The slides can then be formatted in several different ways: 35 mm slides, overhead transparencies, and handouts. Students who have to give presentations to classes or who are considering careers in teaching, marketing, or public relations fields should consider this course. Cr 1

**LAC 180 Academic Self-Management**  
This learning strategy course explores the six major control components that usually contribute to high academic achievement: motivation, methods of learning, use of time, monitoring of performance factors, and relationships to both physical and social environment. Presentations and readings involving learning research and theory are interconnected to student participation, assessment, and self-monitoring activities. Students will engage in the self-management and self-prescriptive process to determine what specific academic behaviors will best assist individual academic performance. Students must be registered in at least one other college course in order to provide an application-practice field. Cr 3

**LAE 200 Education in the US with Field Experience**  
This course combines an introduction to the study of education in the United States and the examination of its historical perspectives. The course introduces the student to the relationship between schools and society while developing the student's personal philosophy of education. A two-and-a-half hour per week field experience component allows the student to acquire a better understanding of the teaching profession in a school setting. Cr 4

**LAE 320 Applied Skills of Teaching & Learning**  
No description available. Cr 4

**LAT 101 Beginning Latin I**  
Fundamentals of classical Latin. Emphasis upon acquisition of reading knowledge. Cr 4

**LAT 251 Introduction to Latin Literature I**  
Selected readings from masters of Latin prose and poetry. Prerequisite: LAT 102 or equivalent. Cr 3

**LAT 310 Seminar in Latin Literature**  
Readings in Latin prose and poetry; a different author will be read each semester. Translation, supplementary reading paper. Prerequisite: LAT 252. Cr 3

**LCC 110 College Writing: Language and Literacies**  
This entry-phase, first-tier writing instruction course introduces students to one or more themes of the Core curriculum. It emphasizes the connections between reading and writing, and students learn how thinking and the language that conveys it develop and change through the process of drafting, revising, editing, and proofreading. The course introduces students to the conventions of expository academic writing and links to co-curricular activities of the Core. (Note that some students are also required to concurrently take the 1-credit companion course, LCC 111.) Cr 3

**LCC 123 College and Community I**  
This entry phase course introduces students to the promise and possibilities of USM LAC's interdisciplinary, writing-intensive, and student-centered culture. Students will consider the relevance the four themes of the Lewiston Common Core (justice, sustainability, democracy and difference) have to their future lives. Students link their own "stories" -- what has brought them to this point in their personal, academic, and professional lives -- with the habits of mind needed for success in college, career, and global citizenship. Cr 3

**LCC 150 Statistics for Informed Decision Making**  
This course introduces and applies quantitative analyses to address real world questions. It applies descriptive statistics, sampling and significance testing, correlation, and regression analysis to issues related to the four themes of the Core. The course provides the opportunity to interpret and analyze statistical decision making, and identifies data misconceptions and misuses. Cr 3

**LCC 200 Creative Critical Inquiry into Modern Life**  
This writing instruction course introduces students to criteria for identifying and constructing well-reasoned arguments, fosters the discovery and use of students' critical/analytical voice in their writing, and develops skills for incorporating, interpreting and integrating the views of others. It provides the opportunity to refine critical thinking abilities by analyzing everyday life experience, including how culture shapes our sense of reality and ourselves. The course highlights the importance of generating good questions and tolerating ambiguity when seeking to understand complex issues. Prerequisite: College Writing. Cr 4

**LCC 220 US Democracy: Origins and Development**  
In this course, students consider the convergence of cultures, events, and ideas that led to the founding of the United States as a republic up to 1877. The course explores the basic structure of the U.S. system of government, the primary political philosophies that undergird it, and past efforts made to remedy injustices that ran counter to the ideals of democracy. Cr 3

**LCC 230 Environmental Science, Policy & Sustainability with Lab**  
This course presents a multidisciplinary survey of the scientific principles underlying energy utilization, nutrient cycles, global warming, population, and natural resource policy and management. The lectures will be comprised of Socratic interactions and group discussions relating regional, national, and global components that encompass ecology, economics, politics, and social endeavors. This course includes a laboratory involving field and lab work and service learning efforts. Cr 4

**LCC 250 Thinking about the Arts, Thinking through the Arts**  
This course explores the tools and strategies important in the interpretation of literature and the arts and encourages an appreciation of the role of literature and the arts in social, political, and cultural life. It promotes understanding of and appreciation for the



creative expression of shared cultural beliefs in various historical periods of cultures around the world and examines literature and the arts as potential critiques of culture. Co-curricular opportunities are included, especially in connection or conjunction with the Atrium Gallery. Cr 3

**LCC 370 Toward a Global Ethic**

This writing instruction course assists students in articulating and assessing their own values. It examines the range of ethical theories and positions and explores the influence of particular cultural ideologies on ethical beliefs. The course considers the ethical principles implied by democracy, sustainability, justice, and difference. It examines ethical issues and dilemmas faced by individuals, organizations, and nations while exploring personal and collective decision-making processes in a global context. Prerequisite: College Writing. Cr 4

**LIN 105 Contrastive Analysis: ASL and English**

This course examines the major linguistic features of ASL and English. Students will gain an understanding of the basic similarities and differences in morphology, phonology, syntax, semantics and pragmatics, as well as the values, beliefs, and norms of the Deaf and non-Deaf communities. Some knowledge of ASL is recommended, but not required. Cr 3

**LIN 185 Language, Mind, and Society**

This course approaches language as a biological and psychological phenomenon central to an adequate understanding of human nature. It deals with linguistic questions concerning the grammars of natural languages and how these may vary across cultures and across time, but also with questions about how the human mind and brain both provide for and constrain linguistic ability. The course also addresses questions about how language develops in the child, how it deteriorates under the influence of disease and injury, how it evolved in the history of the species, and what functions it plays in human life. The course does not assume any background in linguistics or foreign languages. Cr 3

**LIN 201 Language Acquisition**

An introductory overview of the phenomena of language and communication development. The course covers the acquisition of phonology, morphology, syntax, and the lexicon, as well as the development of communicative competence. Each of these areas will be discussed with respect to production, comprehension, and knowledge. Prerequisite: LIN 185. Cr 3

**LIN 213 Introduction to Audiology**

This course examines the anatomy, physiology, and function of the auditory system, focusing on the central auditory nervous system relevant to speech pathologists with an interest in speech perception and central auditory processing. This course provides the foundation for understanding certain aspects of aural rehabilitation and diagnosis of auditory pathology. Examples of brain pathology will be utilized. Prerequisite: LIN 211 or permission of instructor. Cr 3

**LIN 236 Not Yet Ready for Prime Time Interpreter**

This course is designed to provide a safe and systematic way for students in the ASL/English Interpreting Concentration to gain experience in the actual practice of interpreting. Students will practice interpreting at community events as members of a team that will include trained consumers acting in a mentorship role. This course is a one-credit pass/fail offering and may be repeated for credit. Cr 1

**LIN 310 Signs of Language in the Brain**

This course looks at language as a capacity of the human brain. Models of language breakdown for spoken languages are reviewed, and the remainder of the course focuses upon signed language aphasia, the effects of Parkinson's disease on articulation and motor planning, and how spatial and attentional deficits caused by right hemisphere damage affect the processing and production of signing. Prerequisite: grade of at least B in LIN 185. Cr 3

**LIN 313 Syntax**

This is an introduction to the role of sentences and sentence structure in natural language. The course addresses the questions: What makes a particular string of words usable as a sentence? Why are some strings acceptable while others are not? What is the nature of the knowledge humans bring to the process of forming and interpreting sentences? How is this knowledge acquired? Why is the ability to produce and understand well-formed sentences disrupted by injury to specific brain regions? How and why

do the sentence patterns that are typical of a language community change over time? Prerequisite: grade of at least B in LIN 185. Cr 3

**LIN 314 Semantics**

An introduction to the study of meaning in natural language. The course explores questions about the nature of meanings and how they are related to minds. Another concern is the relation between words and sentences, on one hand, and the objects, events and relations we experience in the world, on the other. How are words linked to things in the world? How do words refer or describe? What is it for a sentence to be true? Prerequisite: grade of at least B in LIN 185. Cr 3.

**LIN 332 Consecutive Interpreting and Deaf/Hearing Interpreter Teams**

This course covers the mechanics and psycholinguistics of the consecutive interpreting process, as well as hands-on training in the consecutive method for both Deaf and hearing interpreters. Consecutive interpreting will be taught in the context of a variety of typical interpreting situations as well as situations involving special populations. Prerequisite: LIN 331. Cr 3

**LIN 333 Interpreting: Source Language ASL**

Students focus on interpreting from ASL into English with emphasis on word choice, register, and affect. The interpreting process is dissected, examined, and practiced. With permission of instructor, this course may be repeated once with an added component of journaling observations of working interpreters using a Demand-Control Schema for analysis. May be repeated once for credit with permission of instructor. Prerequisite: LIN 331. Cr 3

**LIN 334 Interpreting: Source Language English**

Interpreting students study interpretation from English into ASL. Emphasis is placed upon appropriate sign choice, register, and affect. The interpreting process is dissected, examined, and practiced. With permission of instructor, this course may be repeated once with an added component of journaling observations of working interpreters using a Demand-Control Schema for analysis. Course may be repeated once for credit with permission of instructor. Prerequisite: LIN 331. Cr 3

**LOS 250 Organizational Accounting**

This course will introduce students to the basic concepts of accounting that they will need to understand financial processes in private, public, and not-for-profit organizations. Cr 3

**LOS 299 Writing in the Major**

This lab is designed to be taken in conjunction with LOS 300 and is required of all LOS majors. Cr 1

**LOS 300 Organizational Theory**

This course provides an overview of organizational dynamics. Current organizational issues are analyzed using structural, human resource, cultural, and political frameworks and the case method. Issues include leadership, organizational design, planning, change, decision making, communication, and control. A good course for students interested in how organizations work. Cr 4

**LOS/SBS 301 Group Dynamics**

This course gives students an understanding of how people behave in groups and the skills needed by group members to participate effectively in group activities. It provides a theoretical foundation for how groups function, with focus on group process and development; and it discusses how these theories can be applied to a wide range of group settings. This course uses experiential techniques to help students develop critical skills and understanding of group dynamics. Cr 3

**LOS 302 Organizational Behavior**

This course examines human behavior in organizations: individual, group, and organizational processes that impact workplace behaviors and organizational life. The focus is on understanding factors that contribute to organizational effectiveness and the major challenges facing organizations today. We will cover topics such as individual and organizational learning, individual values and motivation; interpersonal communication and work team dynamics, leadership and emotional intelligence, power and influence, organizational culture and change. Students will engage in experiential and skill-building activities and apply conceptual frameworks to their real-life work experiences. Cr 3

**LOS 308 Lean Methods & Systems**

No description available. Cr 3

**LOS 312 Human Resource Management**

This course focuses on the procedures and processes associated with the management of human resources within organizations. Topics include recruitment, staff development, job analysis, personnel systems, and training. Cr 3

**LOS 323 The Media & Politics**

This course explores the implications of political campaigns in American politics. Topics include management of campaigns, candidate recruitment, positive and negative advertising, political consultants, political parties and interest groups, effects of media coverage, campaign financing, and impact of campaigns and elections on public policy. Special consideration will be given to current campaigns. Cr 3

**LOS/SBS 329 Research Methods**

This course is an introduction to quantitative and qualitative research methods which can be used in organizational planning and decision making and in the social and behavioral sciences. The course will cover topic areas related to the application of appropriate methods of inquiry and includes completion of an applied project. Strongly recommended for students going on to graduate school, careers in consulting, or human resource management. Prerequisite: LCC 150. Cr 3

**LOS 333 Portfolio Development**

This Portfolio Development course is offered to the adult learner who is preparing a competency based, experiential, academic portfolio, documenting their college-level knowledge, competencies, and abilities. This course supports students in improving the skills and knowledge needed to document and communicate their prior learning in the area of leadership and organizational studies. At the end of the course, students submit a completed academic portfolio for assessment to USM's Office of Prior Learning for possible additional credits. Cr 3. Prerequisites: College writing or the equivalent, leadership LOS 350 either concurrently or completed, resume submission, and subsequent permission by instructor. Cr 3

**LOS 345 Leadership and Film**

Like literature, film allows for an exploration of various themes and experiences that would not normally be available to an individual. This course seeks to capture this opportunity by seeking to understand leadership as it is presented in various films. Through the use of film, we will explore themes relating to leadership such as power, influence, oppression, ethics, service, and more. Cr 3

**LOS 350 Leadership**

This course examines the theory, research, techniques, and challenges of leadership in organizations. Organizational culture is studied with emphasis on the leader's role in influencing and decision making. An experiential design is used along with traditional classroom techniques to help students reflect upon their personal leadership styles and examine their approaches to leading and managing others in diverse organizational settings. Cr 3

**LOS 369 Exploring Careers, Choosing Life Roles**

In this mid-level course in the career development series, students relate self-knowledge to career and life roles, with an emphasis on gaining and managing career information; learning various career and life decision-making strategies; and communicating formative academic, co-curricular, and professional experiences in such formats as accomplishment statements and informal interviews. Prerequisite: LCC 123 or LCC 345. Offered fall, spring, summer. Cr 1.5.

**LSH 240 Introducing the Humanities**

This course examines the origins, development, and future of the humanities through the texts and methods of the following disciplines: classics, history, literary studies, philosophy, religion and the Arts. Prerequisites: EYE and College Writing Cr 3.

**LSH 340 Topics in the Humanities**

Consideration of selected problems, approaches, issues or themes in the humanities. May be repeated for credit. Prerequisite: LSH 240 or permission of the instructor Cr 3.

**MAT 009 Developmental Mathematics**

A review of fundamental topics of arithmetic needed for a study of algebra. This course will cover the following topics: addition, subtraction, multiplication, and division of fractions; use of decimals and percent; estimation; addition, subtraction, multiplication, and division of real numbers;

exponents; order of arithmetic operations; distributive property; combining like terms; substitution to evaluate expressions and formulas; grouping symbols; addition and multiplication principle; formulas; sets; solving equations with fractions; translating English phrases into algebraic expressions; and solving word problems using geometric formulas. Successful completion of the course and the course exit exam at a C level (75%) or higher is required. Credit earned in MAT 009 does not apply or accumulate toward any degree program nor contributes to the GPA at the University of Southern Maine. After successful completion of MAT 009, students must then complete MAT 101 (College Readiness Mathematics) to fully meet college readiness in mathematics or place out of the math college readiness courses via a retake of the math placement exam. Cr 3

**MAT 101 College Readiness Mathematics**

This course reviews and reinforces the basic arithmetic and algebra skills and concepts needed for entry into the University's general education pathways. The course is based on student learning outcomes and uses mastery learning pedagogy. A grade of C- or better is needed to meet the University's mathematics readiness requirement. Prerequisites: MAT 009 or appropriate University placement test score. Cr 4

**MAT 105 Mathematics for Quantitative Decision Making**

This is an introductory course in quantitative literacy that, through lecture and lab, emphasizes critical thinking, mathematical reasoning, and technological tools. Topics are selected to develop an awareness of the utility of mathematics in life and to instill an appreciation of the scope and nature of its decision making potential. Prerequisite: successful completion of the University's college readiness requirement in mathematics. Cr 4

**MAT 108 College Algebra**

A more in-depth study of the topics introduced in MAT 101B. The emphasis will be on the study of functions (polynomial, rational, logarithmic, exponential) and their graphs. Additional topics may include matrices, sequences, counting techniques, and probability. Through the activity-based lab component, applications and modeling will be stressed. Prerequisite: Successful completion of the University's college readiness requirement in mathematics. Cr 4

**MAT 120 Introduction to Statistics**

An introduction to probability and statistics through lecture and lab. Particular topics include random variables and their distributions, methods of descriptive statistics, estimation and hypothesis testing, regression, and correlation. Prerequisite: successful completion of the University's college readiness requirement in mathematics. Cr 4

**MAT 140 Pre-Calculus Mathematics**

A brief review of elementary algebra followed by a study of the algebraic, exponential, logarithmic, and trigonometric functions. Prerequisites: successful completion of the University's college readiness requirement in mathematics and two years of high school algebra or MAT 108. Cr 3

**MAT 145 Discrete Mathematics I**

This course is an introduction to discrete mathematics necessary for a study of computer science. Topics will include a study of functions, sets, basic logic systems, and combinatorics. Prerequisite: MAT 108 or permission of instructor. Cr 3

**MAT 148 Applied Calculus**

An introduction to limits and differential and integral calculus of algebraic and transcendental functions of one variable. Applications of derivatives and definite integrals with an emphasis on problems from the fields of technology will be introduced. Graphing calculators and computer technology will be used when appropriate. Prerequisite: MAT 140. Cr 3

**MAT 152 Calculus A**

The first course in a three-semester sequence covering basic calculus of real variables. Calculus A introduces the concept of limit and applies it to the definition of derivative and integral of a function of one variable. The rules of differentiation and properties of the integral are emphasized, as well as applications of the derivative and integral. This course will usually include an introduction to the transcendental functions and some use of a computer algebra system. Prerequisite: successful completion of the University's college readiness requirement in mathematics and two years of high school algebra plus geometry and trigonometry or MAT 140. Cr 4

**MAT 153 Calculus B**

The second course in a three-semester sequence covering basic calculus of real variables, Calculus B usually includes techniques of integration, indeterminate forms and L'Hopital's Rule, improper integrals, infinite series, conic sections, parametric equations, and polar coordinates. Prerequisite: MAT 152. Cr 4

**MAT/EGN 181 Computing with Mathematica**

This course offers an introduction to computing with Mathematica. This course is designed to introduce mathematics, science, and engineering students to the basic features of Mathematica, to help them solve typical computational problems encountered in their disciplines effectively and efficiently. This course includes many practical examples and hands-on exercises. Prerequisite: None. Cr 1

**MAT 210 Business Statistics**

This course investigates graphical and numerical methods of descriptive statistics; basic probability; discrete and continuous random variables and their distributions (binomial, hypergeometric, Poisson, uniform, exponential, and normal); sampling distributions; estimation; tests of hypotheses; and other selected topics. Applications will be chosen primarily from business. Prerequisite: MAT 108 (may be taken concurrently). Cr 4

**MAT 220 Statistics for the Biological Sciences**

This course treats basic statistical methods as applied to the biological sciences. The topics emphasized are descriptive statistics, discrete and continuous distributions, statistical estimation, hypothesis testing procedures, chi-square methods (goodness of fit and two-way tables), analysis of variance, and simple and multiple regression. Students will use at least one computer-based statistical package. Prerequisite: MAT 152. Cr 4

**MAT 232 Geometry for Elementary Teachers**

The third course in a three-course sequence in mathematics recommended by the Committee on the Undergraduate Mathematics Program of the Mathematical Association of America for prospective primary and elementary teachers. Emphasis is upon constructions, congruence, parallelism, and similarity. Direct and indirect methods of proof are studied, but the main approach is intuitive. Prerequisite: MAT 131. Cr 3

**MAT 252 Calculus C**

The third course in a three-semester sequence covering basic calculus of real variables. Calculus C includes vectors, curves and surfaces in space, multivariate calculus, and vector analysis. Prerequisite: MAT 153. Cr 4

**MAT 281 Introduction to Probability**

This course will cover basic concepts of probability, including discrete and continuous random variables and their distributions, moment generating functions, and bivariate random variables and their distributions. Some basic sampling distributions will also be discussed. Prerequisite: MAT 153; Cr 3

**MAT 290 Foundations of Mathematics**

Selected topics in set theory, symbolic logic, and methods of proofs needed in more advanced mathematics courses. Prerequisite: consent of the Department chair. Cr 4

**MAT 295 Linear Algebra**

An introduction to the theory of vector spaces and linear transformations. Particular topics will include the study of systems of linear equations, matrices, determinants, Euclidean vector spaces, inner product spaces, and theory of diagonalization. Students will use a computer algebra system for projects. Prerequisite: MAT 153. Cr 4

**MAT 355 Complex Analysis**

A study of the complex number system and its applications: differentiation and integration of complex valued functions, the Cauchy integral theorem and formula, Taylor and Laurent series, singularities and residues, conformal mappings. Prerequisite: MAT 252 and MAT 290 or permission of the instructor. Cr 3.

**MAT 366/ STA/OPR 561 Deterministic Models in Operations Research**

Formulation and analysis of mathematical models for the optimal solution of decision making problems under certainty. Linear programming; the simplex method, duality and sensitivity analysis. Network analysis: shortest paths, minimal spanning tree, network flows. Introduction to non-linear optimization: convex programming, Kuhn-Tucker conditions. Applications to pricing, allocation, production planning, transportation and scheduling problems. Prerequisites: MAT 153 and MAT 295. Cr 3



**MAT 371 College Geometry**

Selected topics from Euclidean geometry.  
Prerequisite: MAT 290 or permission of the instructor. Cr 3.

**MAT 386 Sampling Techniques**

Sample random sampling, stratified random sampling, sampling for proportions, estimation of sample size, systematic sampling, multistage sampling, regression and ratio estimates, and non-sampling error.  
Prerequisite: MAT 282 or MAT 380. Cr 3

**MAT 485 Introduction to Applied Regression**

This is an introduction to linear regression and time series analysis. Topics include model building, model diagnostics using residual analysis, choice of models, model interpretation, linear time series models, stationary processes, moving average models, autoregressive models, and related models. Technical writing for project reports is required for this course. Prerequisite: MAT 282. Cr 3.

**MEE 150 Applied Mechanics: Statistics**

A study of force systems and equilibrium, structural models, friction, distributed forces. Designed to develop the ability to analyze and solve engineering problems. Prerequisites: MAT 152, PHY 121. Lecture 3 hrs. Cr 3

**MEE 230 Thermodynamics I: Laws & Properties**

Energy and energy transformations, the First and Second Laws applied to systems and to control volumes, thermodynamic properties of systems, availability of energy. Prerequisites: MAT 153, PHY 121. Lecture 3 hrs. (Fall) Cr 3

**MEE 251 Strength of Materials**

Normal and shear stress and strain in structural members under axial, torsion, bending and transverse loadings, calculation of combined stresses, transformation of stress and principal values of stress and strain, deflection of beams. Prerequisites: MEE 150, MAT 153. Lecture 3 hrs., Lab. 1 hr. (Spring.) Cr 3.

**MEE 361 Physical Metallurgy**

Introduction to the current state of metallurgical technology. It builds on basic principles, particularly crystal structure and phase equilibria, to introduce students to contemporary metallurgical literature. Topics such as defect structures and the effect of heat treatment are introduced in a "just in time" fashion. Mechanical engineering elective. Prerequisite: EGN 260. Lecture 3 hrs. Cr 3

**MEE 372 Computer-Aided Design of Machine Elements**

The design of mechanical components, including shafts, screws, fasteners, springs, bearings, and gears and gear trains. Use of computer analysis and design tools. This course also covers solid modeling of machine components, prototyping, creation of assemblies, and engineering drawings and materials selection. Lab: Introduction to hydraulic, pneumatic, and electrically driven systems. Introduction to programmable controllers. Student design project. Prerequisites: MEE 251, MEE 270. Lecture 3 hrs. Lab. 2 hrs. Cr 4

**MIS 201 Leadership Laboratory**

No description available. Cr 1

**MIS 213 Introduction to ROTC**

No description available. Cr 2

**MIS 301 Self/Team Development**

No description available. Cr 3

**MIS 302 Self/Team Development II**

No description available. Cr 3

**MIS 401 Leading Small Organization I**

No description available. Cr 3

**MIS 411 Leadership & Management**

No description available. Cr 3

**MIS 412 Leadership & Management I**

No description available. Cr 3

**MPH 400 Intro to Public Health**

No description available. Cr 3

**MPH 425 American Health System**

Introduces students to the organization, financing, and management of the American healthcare and public health systems and the dynamic changes that are affecting health organizations as a result of market-based and policy forces. Students develop an understanding of: (1) the key components of healthcare and public health, (2) how organizations and systems are financed, regulated, and managed in a dynamic market and policy environment, (3) the changing role of population health and public health systems, and (4) the efficiency, effectiveness and equity of health services. Cr 3

**MUE 110 Professional Seminar I**

Provides a professional community for emerging music educators. Students will complete fieldwork, interact with field specialists and practitioners, study emerging topics and contemporary practices in music education. Student will begin to develop their professional portfolios. Co-requisite: MUE 111 Philosophical and Historical Contexts for Music Education. Cr 1

**MUE 111 Professional Foundations for Music Education**

The course will survey the cultural and historical contexts of American music education and the philosophies that underpin its practice. Issues of arts advocacy will also be addressed. Cr 2

**MUE 112 Percussion Techniques**

Practical experience on and methods of teaching percussion instruments. Cr 1

**MUE 210 Professional Seminar III**

Provides a professional community for emerging music educators. Fieldwork will focus on the application of instructional strategies for guiding critical and creative music listening in a variety of educational contexts. Prerequisite: MUE 150 ProSeminar II. Co-requisite: MUE 211 Teaching Creative and Critical Listening PK-12. Cr 1

**MUE 211 Teaching Creative & Critical Listening PK-12**

Application of music education methods and contemporary learning theory to music education curricula. An investigation of standards, teaching for musical understanding and the design of lesson plans and assessment strategies will empower students to define and demonstrate a comprehensive pedagogical approach as music educators. Prerequisite: MUE 111; Co-requisite: MUE 210. Cr 2

**MUE 311 Research & Evaluation in Music Education**

The course will introduce philosophical, historical, descriptive, correlational, causal-comparative, experimental, and arts based research methods as utilized in music education contexts. Students will develop skills to facilitate formalize inquiry including student assessment and program evaluation. Prerequisite: MUE 250 ProSeminar IV. Co-requisite: MUE 310 ProSeminar V. Cr 2

**MUE 312 Teaching Instrumental Music PK-12**

The course will acquaint students with methods and procedures of teaching instrumental music in grades PK-12, Teaching techniques and methods, rehearsal techniques, ensemble literature, program administration and organization, recruiting, budgets, public relations, advocacy, ensemble literature, scheduling and performance will be addressed. Prerequisite: MUE 250 ProSeminar IV. Co-requisite MUE 310 ProSeminar V. Cr 2

**MUE 313 Instrumental Conducting**

Advanced development of non-verbal gestures through the art of instrumental conducting. Score reading analysis, rehearsal techniques and performance preparation. Prerequisite: MUT 244. Cr 2

**MUE 314 Guitar Techniques**

An introduction to basic guitar skills. Emphasis is placed upon those skills that lead to playing effective accompaniments. Cr 1

**MUE 353 Woodwind Techniques**

Students will learn instrumental techniques and methods to provide instruction on flute, single, and double reeds to students in grades 4-12. The demonstration of proper performance techniques will be required. Prerequisite: MUE 250 ProSeminar IV. Cr 1

**MUE 410 ProSeminar VII**

Provides a professional community for emerging music educators. Fieldwork will include both observation and leadership of composition activities in a variety of educational settings. Prerequisite: MUE 350 ProSeminar VI. Corequisite: MUE 411 Teaching Music Composition PK-12; Composer's Ensemble. Cr. 1.

**MUE 411 Teaching Music Composition PK-12**

Students will develop personal composition skills as they learn to engage young musicians in the study of music composition. Students will study composition pedagogy including individual and group techniques. Students will create PK-12 curriculum and assessment materials and learn how to organize and administer a school based music composition program. Prerequisite: MUE 350 ProSeminar VI. Corequisites: MUE 410 ProSeminar VII, MUS 406 Composers' Ensemble. Cr 2

**MUH 222 Music History Survey I**

No description available. Prerequisite: Music Major or Minor. Cr 3

**MUH 329 Devils, Dwarves, and Dragons**

This course will consider anti-Semitism in music from multiple perspective including that of the performer, composer and audience member. Students will analyze works from musical, cultural, and ethical perspective to understand how they were performed and perceived. Cr 3

**MUP 390 Recital**

Public performance in the area of applied study for junior performance majors. Graded pass/fail. Cr 0

**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 103 Introduction to Jazz**

A survey of jazz from its inception to the present day. Involves a study of the origins and stylistic development of jazz. 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 150 Piano Class I**

This is a piano class for MUE and MUP students not majoring in a keyboard instrument. Topics covered include sight-reading, basic technique, scales, chord progressions, harmonization, transposition and performance of elementary to intermediate piano literature. Prerequisite: music major status or permission of School director. Cr 1

**MUS 202 Music in America**

A survey of the important trends in music from colonial days to the present. Emphasis will be placed on the role of the Native American composer in the development of sacred music, concert music, jazz, musical comedy, and pop music. Open to all students. Cr 3

**MUS 220 Twentieth-Century Music**

A survey of the important trends in music from colonial days to the present. Emphasis will be placed on the role of the Native American composer in the development of sacred music, concert music, jazz, musical comedy, and pop music. Open to all students. Cr 3

**MUS 250 Piano Class III**

This is a continuation of MUS 151. Prerequisite: MUS 151 or permission of School director. Cr 1

**MUS 252 Jazz Piano Class I**

This is a jazz piano class for MUP Jazz Studies Concentration students not majoring in a keyboard instrument, as well as non-jazz keyboard majors and other instrumentalists who meet the prerequisite. Topics covered include chord voicings for the ii-v-i progression, arrangements of standard tunes, jazz scales and modes and accompanimental styles. Prerequisite: MUS 151 or permission of School director. Cr 1

**MUS 256 Diction for Singers I: Italian and French**

A study in the principles of Italian and French diction through the use of the International Phonetic Alphabet (IPA). An application of these basic principles to vocal literature through written, singing, and aural transcription exercises. Prerequisite: music major or instructor permission. Cr 2

**MUS 321 Literature of the Major Instrument**

A survey of the literature for voice or a specific instrument. Except for piano or voice, which are offered in class sessions when the number of registrants warrants it, this will be scheduled as private study. Normally the piano and voice sessions will be offered in alternate years. For performance majors. Other music majors only with permission of the School. Cr 2

**MUS 332 Counterpoint**

Analysis and writing of tonal counterpoint. Emphasis is given to the study of canon, invention, fugue, chorale prelude, and continuous variations, using eighteenth-century works as models for composition. Prerequisite: MUT 200. Cr 3

**MUS 370 Topics in Music Technology**

An intensive study of one or more areas of music technology in the context of producing music compositions, creating pedagogical multimedia applications, performing music with interactive applications, or recording and editing digital audio/video. The area of study will be chosen by the instructor in accordance with his or her expertise and interests. The course may be repeated once for credit as topics vary (limit of six credits). Prerequisite: MUS 231 or permission of the instructor. Cr 3

**MUS 372 Pedagogy of the Major Instrument**

A study of the teaching methods and materials for voice or instruments. Except for piano and voice, which are offered in class sessions when the number of registrants warrants it, this will be scheduled as additional applied music time with an instrumental specialist. Normally the piano and voice sessions will be offered in alternate years. For performance majors. Other music majors only with permission of the School. Cr 2

**MUS 374 Jazz Pedagogy**

A study of the teaching methods and materials in the jazz performance area. Emphasis will be placed on large and small jazz ensemble literature and conducting techniques, jazz improvisation pedagogical techniques, and writing techniques. This course will also address the topic of securing and maintaining employment within the jazz field. Prerequisite: open to music majors of junior standing. Cr 2

**MUT 100 Music Theory & Aural Skills I**

This course covers music theory fundamentals, fundamentals of species counterpoint, principles of notation, instrumentation, solfège, music transcription and sight singing. Cr 4

**MUT 200 Music Theory & Aural Skills III**

This course covers chromatic harmony and musical form. This material will be explored through the analysis, transcription, composition, sight singing and performance of topical examples of music. Cr 4

**NUR 100 Introduction to Professional Nursing**

This course orients students to the expectations of a baccalaureate education in nursing. Academic communication and critical thinking skills within the context of professional nursing are emphasized. Issues of ethical and professional accountability related to the role(s) of the nurse are explored. Historical and contemporary perspectives on the nature and scope of nursing practice are examined. Cr 3

**NUR 200 Introduction to Professional Nursing for Advanced Student**

This course has been specifically designed for advanced students who are either transfer students with 60 or more credits or have a degree in another field. The course introduces career opportunities in health care as well as how prior learning and work experiences might build on and blend into a career in nursing. The historical and contemporary perspectives on the nature and scope of nursing will be investigated through utilization of online resources, advanced library skills, writing, and online discussion. Other topics will include skills of communication, critical thinking and the relationship between professional nursing and the broad base of theoretical and empirical knowledge derived from the behavioral and physical sciences and the humanities. Cr 3

**NUR 300 Health Assessment**

This course provides knowledge and skills essential to conduct in-depth bio-psycho-social-cultural health assessment of well individuals throughout the life span. Emphasis is placed on data collection through effective communication and physical skills followed by data analysis and identification of nursing diagnoses. Prerequisites: Anatomy and Physiology I and II, NUR 100 and a GPA of 2.75. Cr 3.

**NUR 301 Health Assessment Lab**

This laboratory course provides knowledge and skills essential to conduct an in-depth bio-psycho-social-cultural, holistic health assessment of well individuals through the life span. Emphasis is placed on data collection through development of communication and physical examination skills. Data will then be analyzed and nursing diagnoses developed. Concurrent with NUR 300. Cr 2.

**NUR 306 Nursing Arts and Science**

This course introduces the student to concepts and skills basic to the art and science of nursing. The nursing process is introduced as a problem-solving tool, and is used along with scientific principles in the teaching of foundational nursing therapeutics used in most practice settings. Prerequisites: 24 credits, a

GPA of 2.75, and Anatomy and Physiology I and II (or concurrent). Cr 3

**NUR 307 Fundamentals in Nursing Lab**

This course focuses on the cognitive basis, scientific principles, and manipulative component of psychomotor skills used when implementing foundational nursing therapeutics, which promote, maintain, and restore the health of the client. Concurrent with NUR 212. Cr 2

**NUR 323/523 Adult/Older Adult Health Nursing**

During this course, students will explore evidence-based nursing therapeutics which support both the adult and the older adult client experiencing health problems. The course considers major health problems in the United States, focusing on nursing knowledge needed for care of adults and older adults experiencing acute and chronic alterations in health in a variety of care settings. This course will encourage students to develop and practice critical thinking skills necessary for delivery of family-centered care in today's complex health care system. The roles of collaboration, advocacy, and teaching are introduced as the student nurse interacts with clients and their support systems across the continuum of care. Prerequisites: NUR 100, 200 or 211; NUR 209/210; NUR 212/213; BIO 345; CON 302 (within one year). NUR 523 is offered in the fall semester and is open only to option students. Cr 3

**NUR 325 Adult/Older Adult Health Nursing Lab**

Students will intervene therapeutically with adults and older adults experiencing health problems. Students will practice problem-solving skills and critical thinking as they perform nursing roles in acute care settings. Concurrent with NUR 323. Cr 4

**NUR 328 Dominican Republic community Nursing Partnership III**

No description available. Cr 1

**NUR 330/530 Mental Health Nursing**

This course examines the theory and practice of psychiatric/mental health nursing. Assessment of clients and intervention strategies are explored. Interdisciplinary aspects of mental health care delivery and current issues in mental health nursing are discussed. Prerequisite: CON 302; NUR 323/325. NUR 530 is offered in the fall semester and is open only to option students. Cr 3

**NUR 331 Mental Health Nursing Lab**

This course offers students an opportunity to focus nursing practice on promotion, maintenance, and restoration of mental health. Clinical experience is provided in a mental health/psychiatric nursing setting. The emphasis is on application of concepts of mental health/psychiatric nursing. Concurrent with NUR 330. Cr 2

**NUR 332 Nursing Care of the Older Adult in the Community**

The focus of this course is the family-centered care of older individuals in the community. Emphasis is on nursing assessment, diagnosis, and therapeutic interventions with individuals and families coping with chronic illnesses. Health promotion/risk reduction strategies are applied. The roles of the nurse in interdisciplinary community settings are explored. Ethical issues unique to community settings are analyzed. Prerequisite: NUR 212/213 or concurrent. Cr 3

**NUR 339 Community Nursing Partnerships I**

This is the first in a two-course series (NUR 339 and NUR 341). Over the course of two, 3-credit or three, 2-credit semesters, students will engage in partnership with a specific community. This sequence of courses incorporates the concepts of partnership building, risk identification, and health promotion within a community-based context. Students will collaborate with community partners to develop an understanding of both short- and long-term needs of the community. Problem posing and problem solving will come from the community. Students will engage in ongoing community assessment, support communities in developing long term interventions/approaches, and engage in evaluation of community level practice. Students will identify individuals and families within their communities who would benefit from individual and family-based nursing assessment, planning, intervention, and evaluation. Students will work with health care providers in these communities to assess the need for and to augment the services available. Students will engage in both formative and summative evaluation over the course of their interaction with the community. Students will



consider issues of continuation and termination as they work with individuals, families, fellow students, and community partners. Prerequisite or concurrently: CON 356. Cr 2-3

**NUR 341 Community Nursing Partnerships II**  
This is the second in a two-course series. See NUR 339 for description. Prerequisite: NUR 339. Cr 2 or 3

**NUR 370 Clinical Theories for RNs**  
This course focuses on the nursing profession and the process of knowledge development within the profession. The intent is to provide participants with opportunities to explore the processes of inquiry in nursing. Participants will have opportunities to explore various modes of nursing inquiry, including scientific, philosophical, and historical. Praxis, or the development of knowledge through the cycle of acquiring experience, reflecting on experience, and enhancing practice is central to understanding what influences nursing. Relationships between practice, theory, and research are explored. Four foundational concepts: personal meaning, ways of knowing, time/transitions, and context/culture serve to focus critical reflections in this course. In recognizing multiple ways of developing knowledge, participants have the opportunity to explore how practice may differ within varying perspectives. A USM online course fee of \$25.00 per credit hour will be charged for this course. Cr 3

**PE 106 NCAA Life Choices**  
This course is designed for student athletes in their first or second year at USM. The goal of the course is to enable students to develop their academic potential and to realize their personal and athletic goals during their college experience. Through large and small group work, topical readings, and community service projects, students will clarify goals, values, healthy lifestyles, leadership, and study skills. Prerequisite: open to first and second year students only. Cr 3

**PE 203 Athletic Training for Coaches**  
This introductory course in sports medicine/athletic training will provide the student with information about prevention and management of sports-related injuries. Pertinent anatomy and common injuries will be discussed. This course is geared toward individuals involved in or pursuing allied health professions as well as coaching or teaching fields. Cr 3

**PE 302 Coaching Philosophy and Fundamentals**  
This course covers various approaches to planning, organizing, and implementing practice sessions in preparation for athletic competition. The psychological and emotional aspects of coaching are also investigated. One segment of the course will be concerned with society's view of coaching as illustrated by today's literature. Cr 3

**PE 303 Coaching and Officiating Basketball**  
Coaching philosophy, coaching style, choosing a team, individual fundamentals, team play development, and the ability to organize and maintain a quality program will be stressed. The course will also cover rules of basketball and techniques of officiating. Cr 3

**PE 311 Coaching and Officiating Soccer**  
The course will cover individual techniques and team tactics, drills to implement these techniques and tactics, practice and season organization and methods of starting, maintaining and improving programs at various levels. The course will also cover rules of soccer and techniques of officiating. Cr 3

**PE 315 Coaching & Officiating Field Hockey**  
Emphasis on the methods of teaching and coaching field hockey. Offense and defense, player-coach relationship, team selections, planning of practice sessions and game situations will be areas of concentration. The course will also cover rules of field hockey and techniques of officiating. Cr 3

**PHI 102 Introduction to Philosophy: The Quest for Certainty**  
Philosophy has often been defined as the attempt to become aware of the hidden assumptions we make in our everyday outlooks on life. The present course will deal with one of the most pervasive of these assumptions—the thesis that human beings should pursue certainty and objectivity at any price. The history of philosophy will be utilized to trace and to criticize the identification of all true knowledge with certainty. Questions will be raised as to whether the quest for certainty is either feasible or beneficial to the human person. An

analysis of some 20th-century alternatives, such as existentialism and pragmatism, will be undertaken. Prerequisite: College Writing or concurrent. Cr 3

**PHE 106 NCAA Life Choices**  
This course is designed for student athletes in their first or second year at USM. The goal of the course is to enable students to develop their academic potential and to realize their personal and athletic goals during their college experience. Through large and small group work, topical readings, and community service projects, students will clarify goals, values, healthy lifestyles, leadership, and study skills. Prerequisite: open to first and second year students only. Cr 3

**PHE 203 Athletic Training for Coaches**  
This introductory course in sports medicine/athletic training will provide the student with information about prevention and management of sports-related injuries. Pertinent anatomy and common injuries will be discussed. This course is geared toward individuals involved in or pursuing allied health professions as well as coaching or teaching fields. Cr 3

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**PHE 303 Coaching and Officiating Basketball**  
Coaching philosophy, coaching style, choosing a team, individual fundamentals, team play development, and the ability to organize and maintain a quality program will be stressed. The course will also cover rules of basketball and techniques of officiating. Cr 3

**PHI 106 Introduction to Philosophy: Why Philosophize?**  
The course centers about the exploration of a single question: what it means to think philosophically. In the context of this question, we will examine what are the sources of philosophical thought and whether philosophy can justify its claim to be the foundation of all reflective endeavor. Prerequisite: College Writing or concurrent. Cr 3

**PHI 107 Introduction to Philosophy: World Philosophy**  
This course presents the world views of philosophers from ancient to contemporary times. The thinkers will be chosen from a broad range of cultural and ethnic backgrounds. Emphasis will be placed on the wide diversity and historical background of philosophical positions. Prerequisite: a college writing course. Cr 3.

**PHI 205 Symbolic Logic**  
Techniques of modern deductive logic; properties of formal systems; logical implications and paradoxes of language. Prerequisite: PHI 100-level or EYE course. Cr 3.

**PHI 220 Philosophy of Art**  
What makes a person creative? What do artists think about their art? How do critics evaluate a work? If art is created for a cultural ritual or healing, is it to be understood differently? How do the circumstances of a work's creation and reception affect its evaluation? How does a person's class, ethnicity, or gender influence art work and its reception? Philosophers in the field of aesthetics attempt to answer questions which artists, art historians, anthropologists, and critics ask about art. The works of art and philosophy considered will be draw from a wide variety of cultural contexts. Prerequisite: any PHI 100-level course. Cr 3

**PHI 230 Philosophy of Religion**  
Analysis of the nature of religious experience, knowledge, and language. Special attention given to problems, classical and contemporary, exhibited in religious experience and relevant to areas of common concern in the sciences, humanities, and philosophy. Prerequisite: PHI 100-level or EYE course. Cr 3.

**PHI 240 Political Philosophy**  
Critical evaluation of political philosophies, classical and contemporary; extensive reading in original texts; analysis of contemporary political issues. Prerequisite: PHI 100-level or EYE course. Cr 3.

**PHI 291 Death and Dying**  
Recent success in life-prolonging techniques has resulted in the creation of new disagreements over the proper definition of death. Which definition of death is the most adequate? Some have argued that dying, not

death, is the vitally important topic. Has the term death changed its meaning from time to time and place to place in human history? This course will deal with these and similar epistemological issues. Prerequisite: any PHI 100-level course. Cr 3

**PHI 295 Medicine, Madness, and Disease**  
Recent advances in modern medicine and medical technology challenge traditional notions of health, sanity, and the social order. The course will examine some of the controversial ethical dilemmas that patients, families, and health care providers confront, such as informed consent, truth-telling, prenatal screening, abortion, involuntary commitment for the mentally ill, drug testing, and patient rights. The course will critique the assumptions behind these and other medical practices. Prerequisite: any PHI 100-level course. Cr 3

**PHI 240 History of Nineteenth-Century European Philosophy**  
Development of German idealism; emergence of social and scientific philosophies; contributions of Kant, Hegel, Marx, Schopenhauer, Nietzsche, Feuerbach, and others. Prerequisite: PHI 100-level or EYE course. Cr 3.

**PHY 101 Introduction to Physics**  
An elementary approach to the study of mechanics, heat, sound, electricity, magnetism, light, and modern physics, intended for the student who desires a one-semester introduction to the subject with emphasis on concepts as opposed to problem solving. Students desiring laboratory work should also register for PHY 102. Students planning to major in any of the natural sciences are not directed to this course but rather to a more advanced introductory course. Prerequisite: high school algebra. Cr 3

**PHY 102 Introduction to Physics Laboratory**  
Laboratory experiments and additional material designed to supplement the topics considered in PHY 101. Prerequisite: concurrent registration in PHY 101 or permission of the instructor. Cr 1

**PHY 111 Elements of Physics I**  
The first of a two-semester non-calculus sequence in introductory physics, intended particularly for life-science majors. Topics to be covered include mechanics, waves, sound, and thermal physics. Lectures, demonstrations, and problem solving will help the student develop an understanding of physical phenomena. Mathematical treatment is at the level of algebra and trigonometry. This course is not recommended for students planning to major in the physical sciences or engineering. It should be taken concurrently with PHY 114, Introductory Physics Laboratory I. Prerequisite: successful completion of the University's minimum proficiency requirement in mathematics. Three hours of lecture and one hour of recitation per week. Cr 4

**PHY 114 Introductory Physics Lab I**  
Experiments designed to illustrate the concepts studied in PHY 111 and PHY 121. Prerequisite: concurrent registration in PHY 111 or 121. Two hours per week. Cr 1

**PHY 121 General Physics I**  
The first of a two-semester sequence introducing the fundamental concepts of physics, using calculus. Topics to be covered include mechanics, waves, sound, and thermal physics. This course is recommended for students who plan further study in physical sciences, mathematics, or engineering. It should be taken with PHY 114, Introductory Physics Laboratory I. Prerequisite: prior or concurrent registration in MAT 152 or equivalent experience. Three hours of lecture and one and one-half hours of recitation per week. Cr 4

**PHY 211 Nonclassical Physics I**  
The first of a two-semester sequence covering the principal topics which show the departure of physics from its classical roots. Topics will include relativity and atomic structure. Prerequisite: PHY 123 or PHY 112, and MAT 152. Cr 3

**PHI 223 Classical Physics II**  
A continuation of PHY 221, offering an intermediate-level treatment of the principal topics of classical physics. This course will continue a study in mechanics and start a study in electrostatics. Prerequisite: PHY 123, PHY 221, and MAT 252 Cr 3

**PHY 311 Quantum Mechanics**  
A study of the quantum physics of atoms, nuclei, and particles. Topics covered include wave particle duality; the Schrordinger Wave Equation and its application to a variety of quantum systems, three-dimensional and time-

dependent systems, and photons. Prerequisite: PHY 213 and PHY 221. Cr 3

**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 104 Introduction to International Relations**  
Examination of the relationships of nations in their efforts to deal with each other from differing political, economic, and cultural bases. Cr 3

**POS 203 Introduction to Political Science Research**  
An introduction to the way political scientists conduct research. Students will learn how to formulate ideas, conduct a literature review, test hypotheses, measure political phenomena, perform statistical analyses, draw conclusions, and present written results. Cr 3

**POS 205 Introduction to Comparative Politics**  
An introduction to the field of comparative politics with a focus on political systems and political participation. The course will examine political institutions, electoral laws, comparative methodologies, political culture, and the problem of establishing and maintaining democratic government. Case studies will be used to highlight major themes. Cr 3

**POS 234 Race and Ethnicity in U.S. Politics**  
Are American political institutions representative? This course provides students with the opportunity to examine this question by confronting the relationship between race, ethnicity, and representation in elections, court cases, urban politics, and political theory. Cr 3

**POS 280 Issues Before the United Nations**  
An orientation to the activities of the United Nations. This course includes exposure to current events, exploration of pressing international issues, understanding the basics of international law, and mastery of the protocol and procedures of international diplomacy. Cr 3

**POS 290 Introduction to Political Theory**  
A survey of political theory from ancient times to the present. Themes include the nature of democracy, freedom, equality, power, legitimacy, justice, and the use of lying in political life. Cr 3

**POS 335 European Politics**  
This course examines political processes and governmental structures in Europe. It focuses especially on the United Kingdom, France, Germany, Italy, Spain and Poland as specific case studies. Among the topics covered are: political parties, elections, voting systems, interest groups, legislative-executive relations, constitutional principles, political elites, leadership behavior, and bureaucracies. Prerequisite: POS 101 or permission of the instructor. Cr 3

**POS 380 Topics in Political Science**  
Specially developed occasional courses exploring a variety of theoretical and substantive areas of political science. May be repeated for credit as topics vary. Cr 3

**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. Prerequisite: ENG 104 or co-requisite: ENG 100. 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 105 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. Prerequisite: successful completion of the University's mathematics college readiness requirement. Cr 3

**PSY 205 Experimental Methodology**  
Emphasis on the principles, methods, and techniques of experimental psychology. Applications of general methodology and

specific techniques to the design of experiments in behavioral research. Prerequisite: PSY 201; co-requisite PSY 206. Cr 3

**PSY 206 Methodology Lab**  
This course applies the scientific method to selected areas of experimental psychology. Such areas may include animal learning, physiological, sensation-perception, cognition, social-personality, and developmental psychology. Report writing and interpretation of statistical results will be emphasized. Prerequisite: PSY 201; co-requisite: PSY 205. Cr 1

**PSY 220 Psychology of the Lifespan**  
This is a broad introductory course focusing on the theories, research methods, and the status of scientific knowledge about human development across the lifespan. The course focuses on the interplay of psychological and environmental factors in physical, cognitive, social, and personality development from birth through adulthood. Prerequisites: PSY 101 and 102. Cr 3

**PSY 230 Social Psychology**  
The psychological principles that enter into the social behavior of the individual. Areas of consideration include perception, communication, attitude formation, interpersonal attraction, and group behavior. Prerequisites: PSY 101 and 102. Cr 3

**PSY 233 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 that contribute to maladjustment are examined. Prerequisites: PSY 101 and 102. Cr 3

**PSY 323 Psychology of Infancy and Childhood**  
This is an advanced course where students with a solid background in developmental psychology will explore in detail the psychological issues and events that occur during the course of infancy and childhood. Current research focusing on the interplay of psychological and environmental factors in physical, cognitive, social, and personality development of individuals from conception to puberty will be explored. Prerequisites: PSY 101 and PSY 102 and either PSY 220 or HRD 200. Cr 3

**PSY 338 Theories of Personality**  
A survey of the major contemporary approaches to the study of personality. Different theories are compared, their impact upon current thinking evaluated, and their research contributions assessed. Prerequisites: PSY 101 and 102. Cr 3

**PSY 350 Psychology of Learning**  
Experimental findings on the fundamental principles that underlie the acquisition and retention of new behavior. Emphasis is placed on operant and respondent conditioning and the experimental analysis of behavior. Prerequisites: PSY 101 and 102. Cr 3

**PSY 360 Cognitive Processes**  
A review of contemporary experimental and theoretical work on human information processing. Topics include pattern recognition, memory, attention, decision making, language, problem solving, and creativity. Emphasis will be placed on research methodology and on the interpretation of experimental findings. Prerequisites: PSY 101 and 102. Cr 3

**PSY 361 Sensation and Perception**  
An examination of perceptual processes and sensory systems. Emphasis is on experimental methodology, research findings, and theoretical interpretations. Prerequisites: PSY 101 and 102. Cr 3

**PSY 365 Physiological Psychology**  
Basic neuroanatomy, neurophysiology, and endocrinology, and the relationships between nervous system functioning and behavior. Physiological analysis of sensory function, motivation, and learning. Prerequisites: PSY 101, 102 and BIO 111. Cr 3

**PSY 366 Drugs, Mind and Behavior**  
The physiological and behavioral effects of drugs are examined in light of current research. Also considered are theories relating to the use/abuse of drugs, tolerance, addiction, and drug interactions. Prerequisites: Successful completion of PSY 101 and one semester of biology with grades of C- or better. Cr 3

**PSY 368 Health Psychology**  
This course is designed to introduce the student to the discipline of health psychology from a bio-psychosocial perspective. An integrative approach will be provided via discussion of the biological and psychophysiological foundations of health and



disease, including the topics of stress and coping, prevention, diet, substance abuse, and chronic illness. Prerequisites: Successful completion of PSY 101 with a grade of C- or better. Cr 3.

**PSY 371 History and Systems of Psychology**  
A survey of the history of psychological thought from its beginnings in Greek philosophy to modern times. Special attention will be given to the influence of philosophy and natural science on the development of contemporary psychology. The course concludes with a survey of the major systems. Prerequisite: 15 hours in psychology and/or instructor's permission. This course will satisfy the intensive writing requirement. Cr 3

**REC 110 Foundations of Recreation and Leisure Studies**  
This course addresses the concepts of leisure, play, and recreation, emphasizing the role leisure should play in modern society. Lectures and discussions on societal attitudes toward work and leisure stresses the need to keep these in proper perspective. Students will concentrate on the psychological aspects of optimal experience and quality of life. Community leisure services will be addressed. Assignments will encourage students to explore leisure lifestyle attitudes. Cr 3

**REC 218 Wilderness Emergency Response**  
This course prepares students to stabilize and care for victims of medical emergencies in remote and wilderness area settings when advanced medical professionals are not readily available. The course is a requirement for students enrolled in the nature tourism minor. Students who successfully complete the course will qualify for certification by the American Red Cross in Wilderness Emergency Response and CPR for the Professional Rescuer. Cr 3

**REC/ESP 223 Nature Based Tourism**  
This course covers the basics of nature tourism, a broad category that covers ecotourism, adventure tourism, and a variety of activities and programs involving the outdoors. An emphasis is placed on Maine and northern New England nature tourism. REC 223/ESP 223 is one of the required courses for the nature tourism minor offered jointly between the Department of Recreation and Leisure Studies and the Department of Environmental Science. Cr 3

**REC 233 Outdoor Recreation**  
This course focuses on safe, sustainable, nature-based recreation with an emphasis on "leave no trace" principles. The role of park systems and wilderness environments relative to recreation in modern society will be examined. A variety of outdoor recreation activities will be introduced. Several class trips will be required; thus students must be prepared to pay charges (a total of no more than \$20) for access to outdoor activity environments and equipment. Cr 3

**REC 241 Recreation Leadership**  
This course will provide students with the basic knowledge and methods necessary for effective leadership in recreation settings. Students will be required to participate in projects, presentations, and discussions which are aimed at helping them develop and analyze leadership skills in a variety of recreation program areas such as special events, expressive arts, passive recreation, outdoor recreation, and sports. Prerequisites: therapeutic recreation major and REC 110 or instructor permission. Cr 3

**REC 353 Implications of Disabling Conditions for Therapeutic Recreation**  
This course provides an overview of physical and developmental disabilities with emphasis on etiology, clinical descriptors, rehabilitation, and educational concerns. Examination of the impact of disability on leisure and therapeutic recreation programming will be addressed, as will barriers that affect communication and interactions between persons with and without disabilities. Prerequisite: REC 225. Cr 3

**REC 382 Assessment & Documentation in Therapeutic Recreation**  
This course examines therapeutic recreation services in a variety of settings. Emphasis will be on assessment and documentation within healthcare settings. Students will learn assessment, individual treatment planning, intervention strategies, and the development of treatment protocols. Students will be required to work in groups and participate in class leadership. A 24-hour practicum experience in a therapeutic recreation program is required. Prerequisites: Recreation and Leisure Studies major or Recreation Leadership minor, REC 332, HRD 200. Cr 3

**RHF 100-Level Recreation/Fitness Courses**  
RHF courses are designed to provide education and skill development in a particular recreation

or health/fitness activity. Because skill and/or fitness development are objectives in all RHF courses, students must attend and participate in class activities in order to pass. The Department reserves the right to request written medical clearance for participation in courses that require high intensity exercise. An \* after a course number indicates that students will be required to pay a vendor charge for access to activity environments and/or equipment. The course instructor will explain any charge. The following are the RHF activity areas: RHF 101 Tennis; RHF 106 Ballroom Dance; RHF 107 Aerobics; RHF 109 Beginning Weight Training; ; RHF 117 Low Impact Aerobics; RHF 118 Yoga; RHF 121 Self-Defense; RHF 122 Aerobic Kickboxing; RHF 126 Stability and Physio-Ball Exercise; and RHF 127 Pilates. Cr 1.5 each

**RHF 109 Beginning Weight Training**  
See RHF 100. Cr 1.5

**RHF 118 Yoga**  
See RHF 100. Cr 1.5

**RHF 121 Self Defense**  
See RHF 100. Cr 1.5

**RHF 122 Aerobic Kickboxing**  
See RHF 100. Cr 1.5

**RHF 123 Introduction to Sea Kayaking and Introduction to Cross-Country Skiing.**  
See RHF 100. Cr 1.5

**RHF 124 T’Ai chi**  
See RHF 100. Cr 1.5

**RMI 320 Risk Management & Insurance**  
This course introduces students to the nature of risk, risk identification, general risk management techniques, and the management of risk through insurance. It covers why the individual or corporation purchases insurance, what constitutes an intelligent insurance plan, and what products are available in the insurance marketplace. This course is designed for non-majors and is a prerequisite for more advanced risk management and insurance courses. Prerequisites: sophomore standing and successful completion of the University's Core requirement in quantitative reasoning. Cr 3

**RMI 350 Managing Risk with Property and Liability Insurance**  
This course examines the many commercial property and liability exposures faced by businesses. An emphasis is placed on using commercial property and liability insurance as a method of reducing, managing, and transferring business risk. Topics include commercial general liability, business automobile, workers' compensation, commercial property, business income, and business owner's insurance. The legal environment of property and liability insurance and risk financing are considered. The fundamental structure and business of property casualty insurance are discussed. Prerequisite: RMI 220. Cr 3

**RSP 100 College Writing**  
This course introduces students to the style and standard of writing expected of them in college. Students read expository writings grouped around a theme and use the ideas they encounter to develop and refine analytical essays in response. Emphasis is placed on building the skills of critical analysis and the writing process, specifically reading, drafting, *re-reading, revision, editing, and proofreading*. Students are encouraged to integrate ideas from RSP Seminar into class discussions and individual essays, when appropriate. At the end of the semester, an RSP 100 student will be able to engage with complex readings and compose analytical essays that focus on a central theme using language that is relatively free of sentence-level error. Fall semester. Cr 3

**RSP 103 Russell Scholars Seminar: Culture, Community, and the Environment**  
All first-year Russell Scholars and transfer students are required to take this course. This course will utilize scientific and humanistic anthropological theories and understandings to explore contemporary issues and dilemmas concerning the environment. It will consider values and approaches of different cultures in order to better understand the current problems of environmental damage and pollution, population growth, lifestyle impacts on ecology, ethnic conflict, and other threats to cultural survival and ecological balance. The seminar will attempt to analyze contemporary problems locally and globally, and to explore possible resolutions to these problems. An example of cultural types will be examined, including forager, agriculturalists, and industrial nation-states, in terms of their relationship with and values about the environment. Cr 3

**RSP 110 Russell Scholars Learning Community Laboratory**  
This forum for all Russell Scholars will convene bi-weekly in an informal environment to address topics such as campus issues, current events, and student interests. Russell Scholars Lab also takes students out of the classroom atmosphere by integrating field trips to enhance the learning experience. Cr 1-3

**RSP 210 Russell Scholars Learning Community Laboratory**  
RSP 210 is a continuation of RSP 111. Cr 1-3

**RSP 310 Russell Scholars Learning Community Laboratory**  
RSP 310 is a continuation of RSP 211. Cr 1-3

**SBS 200 Multicultural Human Development**  
This course introduces developmental theory and research which encompasses the entire life span. Emphasis will be placed on prenatal development through adolescence, with an overview of adult development. This course is cross-listed with HRD 200. Prerequisite: second-semester freshman or above. Cr 3

**SBS/SCI 209 Human Genetics**  
This course will examine the role of heredity in human growth, development and behavior. Decision making, ethical issues and societal responsibilities related to genetic disorders will be discussed. This course is approved as an equivalent to LCC 310 Science, Technology and Society. Prerequisite: any laboratory science course. Cr 3

**SBS 300 Deviance and Social Control**  
The course examines the historical and relative notion of deviance and the nature(s) and type(s) of social control. Cr 3

**SBS/LOS 301 Group Dynamics**  
This course gives students an understanding of how people behave in groups and the skills needed by group members to participate effectively in group activities. It provides a theoretical foundation for how groups function, with focus on group process and development; and it discusses how these theories can be applied to a wide range of group settings. This course uses experiential techniques to help students develop critical skills and understanding of group dynamics. Cr 3

**SBS 302 Organizational Behavior**  
The goal of this course is to familiarize students with interpersonal dynamics and the tools to make organizational interactions more effective. Through assessments, exercises, and discussions, students will examine how perceptions of self and others influence people's behavior in a variety of situations. As good communication is critical in building sound interpersonal relationships, students will have many opportunities to fine-tune writing and speaking skills. Cr 3.

**SBS 303 Abnormal Psychology**  
This course presents an introduction to the classification, diagnosis, and etiology of what is considered "mental illness." Cultural aspects of "abnormality" will be emphasized, as will integrative models of the causes of mental disorders. This integrative approach considers the complex interplay between biological, psychological, interpersonal, and cultural factors as they contribute to the development and expression of psychological disorders. Cr 3

**SBS 311 Theories of Personality**  
This course is an in-depth study of the major theories of personality. It includes consideration of historical developments and cultural differences in the area of personality theory and research. The specific understanding of psychopathology contained in the theories will also be explored. Cr 3

**SBS 315 Social Psychology of Disability**  
This course will examine some of the social psychological issues associated with disability and the rehabilitation of individuals who have disabilities, with a focus on minimizing existing social, vocational, educational, and attitudinal barriers to individuals rather than on minimizing the impact of clients' physical/mental differences within a normed environment. It will familiarize students with the points of view and the experiences of people from various social, ethnic, and cultural backgrounds with a wide range of disabilities/abilities, towards enabling students to approach counseling as a means of expanding opportunities for their clients' access to these opportunities, and empowering their clients to attain their goals. Cr 3

**SBS 316 Diversity in the Workplace**  
Using historical, socio-economic, and psychological perspectives, students will learn about the challenges diverse members of U.S. society, such as women, people of color, people from marginalized classes, and those

from other countries, have had and continue to face. Students will gain an understanding of how the workplace may affect diverse peoples and how others can learn to make the workplace more hospitable. A primary focus of this course will be on examining beliefs, behaviors, or unconscious attitudes that perpetuate the oppression and subordination of diverse members of society in the workplace, while also looking at how increased diversity is adding to workplace productivity, creativity, and learning. Readings are drawn from the social sciences and humanities to provide an interdisciplinary approach to the topic. Cr 3.

**SBS/LOS 329 Research Methods**  
An introduction to quantitative and qualitative research methods which can be used in organizational planning and decision making and in the social and behavioral sciences. The course will cover topic areas related to the application of appropriate methods of inquiry and includes completion of an applied project. Prerequisite: LCC 150. Cr 3

**SBS/LOS 335 Legal Issues in Health and Human Services**  
This course examines the legal framework underlying the delivery of health and human services with an emphasis on current socio-legal problems including the rights of clients and the responsibilities of workers. Cr 3

**SBS/SCI 336 Introduction to Public Health**  
This course provides an overview of the public health system and examines the purpose, history, organization, approach, functions and determinants of health. The course places special emphasis on current health issues from our daily lives to highlight the relevance of public health. Cr 3

**SBS 341 The Family**  
This course is a contemporary, interdisciplinary approach to the study of the family that includes an examination of family structures, familial relationships, and the impact of historical change on these structures and relationships. Cr 3.

**SBS 343 Substance Abuse**  
This course considers patterns of use of drugs, the bases of their effects and associated harms, and the history of and current options for prevention and intervention efforts. Consideration will be given to the role of society and public policy in influencing our thinking and behavior concerning substance use and abuse. Cr 3

**SBS 346 Introduction to Social Services**  
This course examines the profession of social work from both historical and contemporary perspectives. Students will explore specialty areas in social work such as mental health and disability, crime and violence, and family work. Career options in the social work field will be explored. Cr 3

**SBS 349 Trauma and Narrative**  
This course examines the medical, political, and cultural history of the concept of trauma, focusing on how trauma has become a core concern in both contemporary clinical psychology and literary criticism. We consider models for conceptualizing responses to traumatic experiences. Topics include the diagnostic criteria of Post-Traumatic Stress Disorder, recommended treatment approaches, risk and protective factors. Students explore "narrative" vs. "traumatic" memories and carefully examine a number of literary texts and films to analyze the characteristics of representations of traumatic memory. The idea that fashioning a narrative of traumatic experience is essential to trauma therapy and to the healing effects of trauma literature, will also be explored. Prerequisites: Completion of a 100-level College Writing course (with grade of at least a C), SOC 100, PSY 101 & 102, and ANT 101). Cr 3.

**SBS 364 Introduction to Expressive Therapies**  
This course introduces students to the basic principles, theories, and varied professional applications of the expressive therapies, including modalities of art, drama, movement, music, poetry and play. Exposure to and experience with a variety of experiential processes is a major feature of the course. Exploration of the value of these methods in transcending barriers of age, mental health, physical health, learning styles and needs, language ability and cultural norms is also woven into the course. Cr 3  
**SBS 369 Exploring Careers, Choosing Life Roles**  
In this mid-level course in the career development series, students relate self-knowledge to career and life roles, with an emphasis on gaining and managing career information; learning various career and life decision-making strategies; and

communicating formative academic, co-curricular, and professional experiences in such formats as accomplishment statements and informal interviews. Prerequisite: LCC 123 or LCC 345. Offered fall, spring, summer. Cr 1.5.

**SBS 390 Brain & Behavior**  
Survey of biological and environmental factors affecting the relationship between brain/mind and behavior. Topics will include brain organization, neural transmission, stress and emotion, learning, memory, violence, psychopathology, and the development of consciousness. Cr 3

**SCI 105 Biological Principles I**  
An introduction to scientific principles underlying the unity and diversity of life. Prerequisite: students must have fulfilled math readiness. Cr 3

**SCI 106 Laboratory Biology I**  
Laboratory experiences illustrating concepts and principles introduced in SCI 105. Must be taken concurrently with SCI 105. Cr 1.5

**SCI 108 Chemistry for Health Sciences**  
No description available. Cr 3

**SCI 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 SCI 114 (normally taken concurrently) provide the basis for further study of chemistry. Prerequisite: satisfaction of USM math readiness. Cr 3

**SCI 114 Laboratory Techniques I**  
Laboratory experiments to illustrate the principles that are presented in SCI 113 lectures. Three laboratory hours per week combining recitation and practical lab work. Co-requisite: SCI 113. Cr 1

**SCI 170 Human Anatomy and Physiology I**  
This is the first course in a two-semester sequence in human anatomy and physiology. It introduces basic principles of physiology and anatomy through chemistry, cellular structure and function, genetics, and embryology. This course discusses several physiologic systems including the muscular, skeletal, and integumentary systems. Prerequisites: students should have an understanding of basic biology and chemistry from high school courses, GED, or successful completion of SCI 103 or SCI 100. SCI 170 must be taken concurrently with SCI 171, the lab. Cr 3

**SCI 171 Human Anatomy and Physiology I Laboratory**  
Laboratory experiences illustrating topics introduced in SCI 170. Must be taken concurrently with SCI 170. Cr 1

**SCI/SBS 209 Human Genetics**  
This course examines the role of heredity in human growth, development, and behavior. Decision making, ethical issues and societal responsibilities related to genetic disorders will be discussed. This course is approved as an equivalent to LCC 310 Science, Technology, and Society. Prerequisites: any laboratory science course. Cr 3

**SCI 252 Medical Microbiology**  
This lecture and laboratory course introduces basic microbiology and focuses on the viruses, bacteria, protozoans, and multi-cellular organisms which cause human diseases. It also discusses the immune system. Prerequisite: SCI 105/106, BIO 108, SCI 170/SCI 171, SCI 172/173. Cr 4

**SCI/SBS 336 Introduction to Public Health**  
This course provides an overview of the public health system and examines the purpose, history, organization, approach, functions and determinants of health. The course places special emphasis on current health issues from our daily lives to highlight the relevance of public health. Cr 3

**SCI 369 Exploring Careers, Choosing Life Roles**  
In this mid-level course in the career development series, students relate self-knowledge to career and life roles, with an emphasis on gaining and managing career information; learning various career and life decision-making strategies; and communicating formative academic, co-curricular, and professional experiences in such formats as accomplishment statements and informal interviews. Prerequisite: LCC 123 or LCC 345. Cr 1.5.

**SCI 380 Pathophysiology I**  
This course examines the physiologic, biochemical, genetic, and environmental basis of noninfectious diseases. Emphasis will be placed on inflammation, immunity, cancer,



fluid, electrolytes, and acid-base balance as well as the cardiovascular, endocrine, and respiratory systems will be studied. This course meets the pathophysiology requirement for entry into the USM Nursing program. Prerequisites: microbiology, human anatomy and physiology. Cr 3

### SED 335 Students with Exceptionalities in General Education

The primary goal of this course is to construct an understanding and knowledge of the range of exceptionalities, including students with disabilities and those identified as gifted and talented. The course is based on the premise that students with exceptionalities should be educated and socially interact to the greatest extent possible with their peers in the general education curriculum and program. The general educator's role in teaching learners who are exceptional will be emphasized. Topics include characteristics of areas of exceptionality; classroom management; assistive technology; state and federal legislation regarding exceptional students; Response to Intervention (RI); Universal Design for Learning (UDL); individual education plans (IEP); building relationships with parents; students who are culturally and linguistically diverse; and inclusion and collaboration philosophy and practices. This course includes a 24-hour field placement. No prerequisites. Cr 3

### 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. Offered each semester. Cr 3

### SOC 210 Critical Thinking about Social Issues

Designed to follow Introduction to Sociology, this course further develops students' skills of critical analysis through the application of sociological principles to current social issues. The course uses popular media as well as sociological materials. Examples of issues which may be examined are: poverty, health care, homelessness, aging, drugs, violence, bureaucracy, white collar crime, and changing gender roles. Prerequisite: Successful completion of SOC 100 with a grade of C or better or permission of the instructor. Cr 3

### SOC 307 Quantitative Research Methods

This course provides an overview of the social scientific research process, utilizing quantitative methods. Students generate research questions and testable hypotheses and analyze a variety of secondary data sources. Specific statistical topics include: measures of central tendency, measures of dispersion, t-testing, analysis of variance, cross-tabulation, measures of association, linear regression, and multiple regression. The course includes a computer lab component. Prerequisites: SOC 210 with a grade of C or better and completion of mathematics readiness, or permission of instructor. Cr 4

### SOC 343 Social Psychology

This course provides an overview of sociological theory and research in social psychology on the central topics of social perception, social communication, and social interaction. The course focuses on the impact of sociological factors such as gender, race, and class on face-to-face behavior and on how face-to-face interaction contributes to the creation and maintenance of social structure. Specific topics include social psychological methods; causes and consequences of stereotyping; gender, power, and conversation; status structures in small groups; distributive justice; and social dilemmas. Prerequisite: SOC 210 with C or better or permission of instructor. Cr 3.

### SOC 380 Topics in Sociology

Specially developed occasional courses exploring a variety of theoretical and substantive areas within the field. Offered as resources permit. These courses may be counted as electives toward completion of the major. Prerequisite: SOC 210 with C or better or permission of instructor. Cr 3

### SPA 101 Beginning Spanish I

A beginning course in Spanish in the four skills of language learning: listening comprehension, speaking, reading, and writing. In addition, audio-visual work is required. Cr 4

### SPA 201 Intermediate Spanish I

Review of grammatical structures. Further development of listening comprehension, speaking, reading and writing skills. Continued emphasis on understanding of Hispanic culture and civilization through reading and discussion

of literary and historical texts as well as frequent reference to contemporary customs and events. Students are encouraged to also register for laboratory practice. Prerequisite: SPA 102 or SPA 107, two years of high school Spanish or the equivalent. Cr 3

### SPA 303 Workshop in Spanish

No description available. Cr 3

### SPA 352 Readings in Modern Latin American Literature

An introduction to the literature of modern Latin America. All discussions and readings will be in Spanish. SPA 305 must be taken prior to or concurrent with SPA 352. Prerequisite: SPA 305. Cr 3

### SPA 360 Hispanic Cinema

This course will explore specific themes in Hispanic Cinema. Films will be analyzed in a cultural and historical context. Topics will vary. Films are in Spanish with subtitles. Cr 3

### SPM 100 Introduction to Sports Medicine

This course orients the student to the expectations of a baccalaureate education in athletic training, exercise science (majoring in exercise physiology or health fitness), or health sciences. Allied health historical perspectives, education, careers, certification, and professional associations are explored. Educating the students about the structure and progression of the three degrees will be discussed. Outside field experiences will be required. Prerequisite: ALT, EXS, HEF, or HLS student or permission of the Department chair. Cr 3

### SPM 210 Athletic Training Principles I

An introduction to the principles of prevention, examination, treatment, and reconditioning of physical activity injuries. Lecture and laboratory competencies prepare students for supervised clinical experiences. Completion of 75 clinical observation hours required. Prerequisites: ALT student; SPM 100; CON 216; BIO 111 and 112 or SCI 170 and 171, or concurrent; 2.25 cumulative GPA. Co-requisite: SPM 211. Cr 3

### SPM 211 Protective Taping and Wrapping

An introduction to the principles of taping and wrapping as they pertain to preventative, protective, and post injury situations. In addition, basic skills in stretching will be taught. Lecture information and lab competencies prepare students for supervised clinical experience. Prerequisite: ALT student; Co-requisite: SPM 210. Cr 1

### SPM 230 Psychology of Physical Activity and Sport

Course presents an overview of concepts, theories, principles, and research related to physical activity behavior. Practical application of psychological principles and techniques that help facilitate behavior change will be covered. Prerequisites: ALT, HEF, or HLS major; SPM 100. Cr 3

### SPM 315 Group Exercise Instruction

This course provides knowledge, skills, and practical experience needed to plan, lead, and evaluate a variety of group exercise sessions effectively. Developing and leading various components of group exercise sessions constitute a major part of this course. Prerequisites: EXS, HEF major; SPM 260. Cr 3

### SPM 325 Methods of Resistance Training and Conditioning

Theoretical and practical study of practices and methods involved in developing and implementing resistance training and conditioning programs for clinical and non-clinical populations. Prerequisites: ALT, EXS, HEF, or HLS major; BIO 211 and 212 or SCI 172 and 173; CON 219. Cr 3

### SPM 330 Physiology of Exercise

An investigation of the acute and chronic effects exercise incurs on the body. Muscle physiology, respiration, cardiac function, circulation, energy metabolism and application to training will be emphasized and applied in laboratory activities. Prerequisites: ALT, EXS, HEF, or HLS major; CHY 107 or CHY 113 and 114 or concurrent; BIO 111 and 112 or SCI 170 and 171; and BIO 211 and 212 or SCI 172 and 173. 2 credits lecture; 1 credit lab. Cr 3

### SPM 370 Athletic Training Clinic II

Completion of a minimum of 150 clinical hours applying proficiency knowledge and skills in an athletic training clinical setting. The second clinical course for students enrolled in the athletic training major. Prerequisite: ALT major; SPM 265, 270, 310. Cr 2

### SPM 381 Kinesiology

Structural and functional anatomical analysis of human movement. Course will also

incorporate principles of mechanics as they apply to the analysis of human movement. Prerequisites: ALT, EXS, HEF, or HLS major; BIO 211 and 212 or SCI 172 and 173; PHY 101, 102. Cr 3

### STH 101 STEM Learning Seminar

No description available. Cr 0

### STH 111 Life Science & Ecology for K-8 Teachers

Provides prospective elementary teachers a deep understanding of the life science and ecology concepts they would be expected to teach up through the eighth grade level according to the Next Generation Science Standards. The course also covers the process and design skills needed to be scientifically literate. The associated laboratory activities are included as part of the course, and students experience science that is directly connected to everyday experiences. 4 cr.

### STH 300 Partnering with Family Caregivers

Connecting with family caregivers is crucial for the delivery of a successful care plan. This course explores how providers can address the psychosocial challenges of caring for an aging family member. Family caregivers are responsible for providing the majority of long term care for people who are living with chronic illness and progressive dementia. We will examine the challenges that impact caregiving including physical, emotional and spiritual strain, and how health care providers and social service professionals can provide information, resources and support that will lead to sustainable outcomes for both the caregiver and the care recipient. It is recommended that the students have junior/senior status, have a college writing course and at least one course in either psychology or sociology. 3 credits.

### SWO 201 Introduction to Social Work

This course is an introduction to the profession of social work. Students are introduced to the core values of social work and the code of ethics that emanates from those values. Oppression and social justice are central themes of this course. The practice of social work is considered from the perspective of a collaborative strengths-based model working with complex social service systems. The course familiarizes students with various roles, functions, and tasks which social workers perform in a variety of settings, and acquaints students with the primary skills and practices of professional social work. Taking this course will help students make a more informed decision about social work as a career. Cr 3

### SWO 250 Introduction to Social Welfare

Provides an introduction to the institution of social welfare through a review of social welfare history; the values and philosophy in America of treating the poor, the ill, and others in need; contemporary approaches to social policy; and possible alternative models of social welfare. Cr 3

### SWO 333 Social Work Research I

A study of the methods of social work research for social policy and social work practice. The course emphasizes both quantitative and qualitative research processes with the goal of enabling the student to be competent as a "practitioner-researcher." Prerequisites: SWO 201, SWO 250; any statistics course (MAT 120, PSY 201, SOC 307, or SBS 328). Cr 3

### SWO 334 Social Work Research II

In this continuation of SWO 333, students complete an empirical research project. Class members serve as a review committee for all research instruments used, learn the practical aspects of writing quantitative and qualitative research reports, and function as a research support group for one another. Prerequisite: SWO 333. Cr 3

### SWO 350 Social Welfare Policy

A critical examination of social welfare institutions, the social problems and social needs to which they are addressed, and the policy decisions which determine the organization and direction of social welfare programs. Prerequisites: ECO 101, SWO 250, POS 101, or permission of instructor. Cr 3

### SWO 365 Examining Oppression and Valuing Diversity

This course is designed to provide a framework for understanding and respecting cultural diversity. The cultural aspects of race/ethnicity, gender, sexual orientation, socioeconomic status, and ableness will be discussed. A central theme in organizing the course is the examination of the role of oppression in shaping lives of members of various cultural groups. Prerequisites: SWO 201 or permission of instructor. Cr 3

### SWO 370 Human Behavior in the Social Environment

This course examines the ways in which normative and predictable human behavior throughout the life cycle is mediated by gender, race, age, sexual preference, class and culture. The implication of this knowledge for social work practice will be explored. Prerequisites: SWO 201, SWO 250; PSY 101, PSY 102 and introductory course in biology. Cr 3

### SWO 388 Alcohol & Other Drug Abuse Issues

Examines the use and abuse of psychoactive substances: street drugs, prescription drugs, alcohol, caffeine, and nicotine. Consideration of the history, pharmacology, and physical and psychological effects of each substance. Exploration of prevention and treatment models, with special reference to those in use locally. Prerequisite: junior standing or permission of instructor, Cr 3

### TAH 231 Introduction to Sustainable Tourism

Provides students with an overview of the sustainable planning and management of tourism and hospitality businesses. Concepts such as planning, conservation of resources, monitoring and assessment, environmental audits, visitor management, and green building construction will be discussed. The course also provides a global and regional perspective on sustainability issues related to tourism, such as the impact of travel on climate change. This course is the entryway for the concentration Sustainable Tourism and Hospitality. Cr 3

### TAH 261 Introduction to Cultural Tourism

Explores the many dimensions of cultural tourism, including how arts, crafts, local heritage, history, and other elements of culture can be incorporated into tourism planning and development. Topics include the meaning, value, and potential tourism roles of historical sites and monuments, festivals and other events, local and regional arts and artisans, archaeological and other cultural heritage sites, and museums and other educational institutions. Issues such as cultural identity and representation and authenticity and commoditization will be explored. This is the entryway for the concentration Cultural, Arts & Heritage Tourism. Cr 3

### TAH 299 Topics in Tourism & Hospitality

Courses with this designation include special topics in various aspects of tourism and hospitality, offered on a one-time or experimental basis. This designation may also include courses that are cross-listed with other majors at USM and taught by faculty from those programs. Specific titles and course descriptions for upcoming courses can be found in the Course Search section of Maine Street. More information may also be found in the Advising section of the TAH program website. Prerequisites vary by individual course; please see Maine Street. Cr 3

### TAH 311 Event Planning and Management

Festivals, meetings, conferences and special events are an important part of the tourism sector. In this class, students will examine many types of events including food and music festivals, sporting events, business conferences and meetings, and celebratory events such as weddings. Students will learn how to plan and manage events of various sizes and durations, and explore ways of promoting and marketing events that respect local traditions and celebrate community assets. Students may have the opportunity to visit local or regional events and meet planners and promoters. Prerequisite: TAH 211, 221, or 261, or permission of instructor. Cr 3

### TAH 399 Adv Topics in tourism and Hospitality

Courses with this designation include special topics in various aspects of tourism and hospitality, offered on a one-time or experimental basis. This designation may also include courses that are cross-listed with other majors at USM and taught by faculty from those programs. Specific titles and course descriptions for upcoming courses can be found in the Course Search section of Maine Street. More information may also be found in the Advising section of the TAH program website. Prerequisites vary by individual course; please see Maine Street. Cr 3

### TAH 406 Applied Research in Tourism & Hospitality

Students will conduct independent research guided by a faculty supervisor on an approved subject related to tourism or hospitality. Research may include literature reviews and qualitative or quantitative methods as determined in collaboration with the supervisor, and possibly with external clients or collaborators. Students must propose a

research topic prior to the semester in which the research is to take place, and with enough time to allow the supervisor to approve or amend the proposed research subject. This course may serve as the student's capstone experience if approved as such by the faculty advisor and program chair. Prerequisites: TAH major; permission of faculty supervisor. Cr 3-6

### TAH 408 Practicum in Tourism & Hospitality

This course combines a professional work placement with a final project designed to complete a concentration requirement. Students work with a faculty member and client organization, business, or community to gain work experience (generally at least 100 hours) and create or assist with a tangible product, such as a research report, website, promotional material, or conference or other event, that serves the client's needs. Prerequisites: TAH major; completion of all other requirements for a concentration; permission of supervising faculty. Cr 3-6

### 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 neoclassic, and 18th, 19th and 20th-century theatre and drama. Cr 3

### THE 102 Acting for Non-Majors

This course will introduce core students to theatre through the eyes of the performer. Students will gain a basic understanding of theatre as a performing art through lecture, discussion and performance of scenes. Improvisational exercises, relaxation techniques and character analysis strategies will be included. Students will also attend campus and area theatrical productions and be required to write critical reviews of the performances. Cr 3

### THE 103 Contemporary Dance I

This course is designed to teach basic contemporary dance skills and vocabulary. The class is divided into two areas of study. Physical and technical development are learned through strengthening and stretching exercises. Proper body alignment is stressed for the most efficient and injury-free movement. Dance phrases are taught to enhance rhythmic and locomotor skills. Equal time will be devoted to improvisational skills and the study of choreographic techniques. Students will be required to attend contemporary dance performances. Course may be repeated once for credit. Cr 3

### THE 104 Practicum in Costuming

This course is a laboratory session that allows practical application of theory discussed in THE 334 Costuming, by teaching sewing skills and allowing students to construct costumes for a University theatre production. Practicum is required for theatre majors and recommended for all costuming students, but need not be taken concurrently with THE 334. Prerequisite: sophomore status or THE 101. Cr 1

### THE 105 Practicum in Stage Lighting

A course focusing on the practical application of contemporary stage lighting technology and on the implementation of a lighting plot. Cr 1

### THE 106 Practicum in Stagecraft

A practicum allowing the application of theory discussed in THE 135 to the construction, painting, and mounting of sets for University theatre productions. Practicum is required for theatre majors and recommended for all stagecraft students, but need not be taken concurrently with THE 135 Stagecraft. Cr 1

### THE 120 Acting: Stage Movement/Voice

This is a practicum course designed to introduce students to basic elements of the creative process of acting. Topics include kinesthetic awareness, techniques of acting theorists ranging from Michael Chekhov to Rudolph Laban, methods of character creation, elementary stage combat, improvisation, and voice and diction for the stage. Course culminates with student presentation of an original performance piece. Cr 3

### THE 130 Musical Theatre Workshop I

A course designed to give students practical application of theatre practices in the fields of acting, design, scene construction, costuming, properties, lighting, management, and directing. A laboratory course. Prerequisite: restricted to musical performance majors with an emphasis in musical theatre. The course may be repeated for credit. Cr 1

### THE 131 Musical Theatre Workshop II

A continuation of THE 130. Prerequisite: THE 130, restricted to musical performance majors



<p>with an emphasis in musical theatre. The course may be repeated for credit. Cr 1</p> <p><b>THE 132 Musical Theatre Workshop III</b> A continuation of THE 131. Prerequisite: THE 131, restricted to musical performance majors with an emphasis in musical theatre. The course may be repeated for credit. Cr 1</p> <p><b>THE 133 Musical Theatre Workshop IV</b> A continuation of THE 132. Prerequisite: THE 132, restricted to musical performance majors with an emphasis in musical theatre. The course may be repeated for credit. Cr 1</p> <p><b>THE 135 Stagecraft</b> A lecture 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 basic methods of construction, as well as methods of rigging and moving scenery for the stage. Prerequisite: Any Entry Year Experience Course (or concurrent) Cr 3</p> <p><b>THE 139 Theatrical Make-up</b> A practicum course in the fundamentals of design and application of theatrical make-up. Specific areas of study will include the relationship of character analysis to make-up, techniques of highlight and shadow, and make-up for youth, middle, and old age. Additional exercises introduce historical styles, creating a likeness, and nonrealistic make-up. Students will frequently apply theatrical make-up to their own faces in class. Cr 3</p> <p><b>THE 141 Theatre Workshop I</b> A course designed to give students practical application of theatre practices in the fields of acting, design, scene construction, costuming, properties, lighting, management, and directing. A laboratory course. The course may be repeated for credit. Cr 1</p> <p><b>THE 142 Theatre Workshop II</b> A continuation of THE 141. Prerequisite: THE 141. The course may be repeated for credit. Cr 1</p> <p><b>THE 143 Theatre Workshop III</b> A continuation of THE 142. Prerequisite: THE 142. The course may be repeated for credit. Cr 1</p> <p><b>THE 144 Theatre Workshop IV</b> A continuation of THE 143. Prerequisite: THE 143. The course may be repeated for credit. Cr 1</p>	<p><b>THE 170 Public Speaking</b> An introductory course in the art of public discourse. Primarily a lecture-performance course, students will learn the basics of informative, persuasive, and argumentative speaking, as well as the processes of problem-solving and informative discussion. Cr 3</p> <p><b>THE 175 Oral Interpretation of Texts</b> A course in the analysis and performance of texts (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</p> <p><b>THE 199 Topics in Theatre</b> This course addresses the writing skills necessary for producing theatre reviews and theatre thesis papers. Students will focus on fine-tuning basic grammar, creating solid arguments, and writing persuasively. Requirements include writing a theatre review, giving a grammar performance (yes, performance), and crafting thesis statements and outlines. (Note: Because of the abbreviated nature of this course, students will be asked to formulate thesis statements and outlines, NOT write full-length thesis papers.) Cr 1</p> <p><b>THE 201 Cultural History of Theatre</b> A course designed to provide students with a cultural history survey of theatre from ancient Sumeria, Greece and Rome through traditional Asian, Medieval and Renaissance European and other historical styles/periods into the 21st century. Prerequisite: College writing. Cr 3</p> <p><b>THE 204 Dress and Self Image</b> This course examines clothing from social, psychological, and aesthetic perspectives. Students will learn how people make sense of their lives and their world the cultural production of meaning represented by attire, appearance, and presentation. Prerequisite: College Writing. Cr 3</p> <p><b>THE 221 Acting: Stage Voice</b> This course emphasizes the development of the actor's voice, providing a progression of exercises to free and strengthen the voice as a tool of creative expression. The elements of vocal projection, range, diction, placement, and characterization will be explored. Prerequisite: THE 120. Cr 3</p>	<p><b>THE 230 Designing for the Performer</b> This course offers the student an opportunity to explore the process of creating an environment for the performer, incorporating elements of scenic, costume, lighting, and audio design. Coursework includes the presentation of multimedia design projects. Cr 3</p> <p><b>THE 299 Topics in Theatre</b> No description available. This class may be repeated for credit. Cr 3</p> <p><b>THE 325 Directing</b> This course is designed to train students in theatrical organization and rehearsed techniques. It encompasses composition, picturization, movement, and rhythm. Some practicum is involved. Prerequisites: THE 150, THE 220, and THE 230. Cr 3</p> <p><b>THE 351 Dramatic Lit &amp; Theatre History I: Origins to 1500</b> This course examines Greek, Roman, and Medieval theatre history and dramatic literature. THE 351 asks students to think about theatre and dramatic literature in a broad array of cultural contexts. This class focuses on sharpening students' written and oral communication and critical thinking skills. Prerequisites: College Writing, THE 101 or concurrently. Cr 3</p> <p><b>WGS 101 Introduction to Women &amp; Gender Studies</b> This course explores from a variety of perspectives the following inter-related themes and topics: the economic, political, and social status of women as a group and in discrete cultural contexts; the politics of representation, or how ideas about femininity and feminism are promoted throughout the media and other vehicles of culture; the construction of "consciousness," both through the media and through feminist tactics; women and collective action in the past, present, and future. This course is writing-intensive; students are expected to practice their writing skills through formal essays. Offered every semester. Cr 3</p> <p><b>WGS 201 Women, Knowledge, and Power</b> This course examines the ways in which the politics of knowledge production shape culture and gender relations. It explores the ways women and men have historically resisted, subverted, appropriated and reformed traditional bodies of thought. Prerequisites: WST 101I, EYE 109 or permission of instructor. Offered spring semester. Cr 3.</p>	<p><b>WGS 245 Topics in Culture and the Arts I</b> Courses in this category will examine vehicles of culture from the perspectives of gender including feminine, masculine, and trans. These perspectives will be used to interpret the plastic, literary, and performing arts. Course readings may focus on gender and the production of culture; on how gender has been represented in written, visual, or oral texts; or on gender and aesthetic theory. Possible subjects may include feminist philosophy, feminism and film theory, gender and the history of music, and gender in popular culture. Cr 3.</p> <p><b>WGS 345 Topics in Culture and the Arts II</b> Courses in this category will examine vehicles of culture from the perspectives of gender including feminine, masculine, and trans. These perspectives will be used to interpret the plastic, literary, and performing arts. Course readings may focus on gender and the production of culture; on how gender has been represented in written, visual, or oral texts; or on gender and aesthetic theory. Possible subjects may include feminist philosophy, feminism and film theory, gender and the history of music, and gender in popular culture. Cr 3.</p> <p><b>WGS 355 Topics in History and Resistance II</b> These courses explore the history of forms of gender and women's activism located not only in governments, political parties, and unions but also in collaborative activities and grassroots organizations. Emphasis is on the relationship between gender activism and social, economic, and cultural change. Topics include the way struggles for national liberation have deployed concepts of gender; working class women in contemporary and historical movements; struggles for equal rights including gay rights and trans rights; the 19th-century women's movement; women in peasant revolts; everyday forms of gender resistance; union organizing; the politics of identity as practiced by women, men, gays and queers. Cr 3.</p> <p><b>WGS 365 Topics in Gender and Institutions II</b> Courses in this category will focus on gender relations and the social and institutional construction of the category "women." Social structures and institutions create and reinforce assumptions about sex and gender, women and men, and masculinity and femininity, thus ultimately shaping the gender experiences</p>	<p>available in society. The emphasis may be on industrial or non-industrial societies and institutions, law and legal institutions, economic institutions, subsistence strategies in non-industrial societies, systems of stratification, conceptual systems, or education. Cr 3.</p> <p><b>WGS 380 The Politics of Difference</b> Central to the course are the ways that "differences" are embedded and enacted in the context of power relations. While the specific content of this course is flexible, it will analyze the advantages and disadvantages of using race, ethnicity, nationality, class, age, and sexuality as categories of analysis. Prerequisites: WST 101I or EYE 109, WST 201 or permission of the instructor. Offered fall semester. Cr 3.</p> <p><b>WGS 420 Advanced Topics in women &amp; Gender Study</b> Advanced topic areas not already covered by regular course offerings will be offered. The course may be repeated for credit when different topics are offered. Cr 3.</p> <p><b>WGS 445 Topics in Culture and the Arts</b> Courses in this category will examine vehicles of culture from the perspectives of gender including feminine, masculine, and trans. These perspectives will be used to interpret the plastic, literary, and performing arts. Course readings may focus on gender and the production of culture; on how gender has been represented in written, visual, or oral texts; or on gender and aesthetic theory. Possible subjects may include feminist philosophy, feminism and film theory, gender and the history of music, and gender in popular culture. Prerequisite: WST 445 requires permission of the instructor. Cr 3.</p>
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# First-time renter's guide

Sidney Dritz  
Free Press Staff

## Tips to navigating your first lease

Moving into your own place for the first time can be exciting, but it can also be intimidating. Here are a few things to keep in mind when you're making the transition.

## What you're worth

Potential landlords will check in on your income when you apply. First-time renters sometimes have a harder time finding a place due to the established income level landlords like to see before they rent. Income isn't always a job—it can be a trust fund, social security or financial aid.

## No shame in asking, right?

First-time renters without references from previous landlords should consider asking a parent to co-sign a lease. This is no reason to feel as though you're losing your newly gained independence. It's really just a safety net, for you and your future landlord. If that is not a viable option, keep looking. Many landlords will not ask for a co-signer as long as you can prove you can make rent each month. First-time renters might have more chance of snagging properties rented directly by the owner, properties rented by bigger companies on behalf of a host of owners. Individual landlords might be more lenient.

## Your very own energy crisis

A lot of times it's convenient to find a place with heat included, but if you can't, then be sure to ask how it's heated. The best option: Natural gas. It's better for the environment and is usually less expensive, but not as common. Second best: Electric. It can be expensive, but low maintenance. Worst option: Oil. This is the most expensive and least efficient option, and you have to remember to schedule deliveries.

Remember to take a look at the windows when you're at a viewing. Older windows can be a pocket drain, unless they've been more recently retrofitted. If you love the place with the old windows, pick up plastic insulation kits at the grocery store, and remember to put the storm windows down each winter.

## Get a space heater or a really big sweater

Even if you find a heated apartment, ask what temperature the building is kept at. Many heated buildings do not have a thermostat that the tenant can control, and legally, landlords only have to keep the temperature at a level that wouldn't make a healthy person sick. Of course, you can just pick up a few space heaters or some giant wool sweaters if the bargain is too good to pass up.

## Be careful in selecting your roommates

The idea of living with your friends is always appealing, but these people will not be just your friends. They will be responsible for paying for a significant percentage of your shared living space. Be sure that prospective roommates have either a stable source of income or a dependable safety net, but even then, it's always a good idea to make sure that every person you will be living with signs the lease. Otherwise, you could legally be held responsible for paying that person's portion if they split.

## Read the directions

The lease is what you and your landlord are expected to do – or not do. When it snows four feet and you're wondering whether or not your landlord will plow the driveway, the lease will come in handy. It also contains your landlord's policies on smoking, the amount of notice they need to give you, legally, before stopping by your place and who to call about repairs. And remember to keep a copy of your lease handy after you move in.

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# What to listen for: Summer Albums



Kind of Blue Music

Bluesamericana by Keb' Mo'



BIG BEAT / WEA

White Women by Chromeo

Dan Kelly  
Free Press Staff

Keb' Mo', the modern bluesman with an old soul, does what he knows best on *Bluesamericana*. This album isn't significantly different from older work by Keb' Mo', but hey, he's found the right formula for producing consistently good albums. An extremely tight rhythm section, clean electric and acoustic blues guitars and crisp harmonies mark this album with familiarity. Happy blues, best to be listened to on warm summers day, fill this album with upbeat tracks, good feelings and extended jams. Keb' Mo' does what he does best and obviously has fun doing it. *Bluesamericanana* produces musical artistry that represents the work of a true bluesman.

*White Women*, due out May 12, will be electronic pop at its most absurd. "Come Alive," recently released as a single along with a music video, is exactly what you would expect: slap bass, dry and tight drum programming, women dressed in skimpy clothing, and most importantly, David Macklovitch in Wayfarer sunglasses. This album will not play to your intellectual curiosity, but it will certainly help you enjoy your summer break. Chromeo is all about frivolousness; This music will completely over-the-top. For the oddest and most successful Jewish/Muslim partnership known in history, Chromeo's

music will not disappoint with its equally unusual but satisfying sound.

Mac Demarco's latest release, *Salad Days*, is the laid back indie-punk album that will typify your lazy summer. Demarco, who has a sound that blends Lou Reed with early Strokes, writes grooves that hang way back and lyrics that nudge you to do the same. Demarco sings, "You're better off dead / When your mind's been said / From nine until five." He summarizes the intuitive logic behind relaxation when he states, "You're no better off, livin' your life, than dreamin' at night. . .It's up to you. . .Take it slowly, brother." When finals are over, catch up on rest.

Modest Mouse, whose last full length release was in 2007 with *We Were Dead Before the Ship Even Sank*, is rumored to release a new album this summer. After a series of cancelled shows, possibly to make time for recording, and new material being posted to Youtube, fans have a right to be optimistically frustrated. Modest Mouse is great, and a new album would likely be excellent, but seven years is a long time to wait. Although a few new tunes have been performed, any ideas of what this new album will sound like are pure speculation. When it is released, however, fans will certainly have something to be excited about.

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Captured Tracks

Salad Days by Mac Demarco



Rough Trade Us

We Were Dead Before the Ship Even Sank by Modest Mouse

What will you be listening to this summer?

Tell us which albums you're looking forward to on Facebook and Twitter.



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# Free Press Picks: Ways to save money

Krysteana Scribner  
Free Press Staff

## 1.) Buy textbooks on the cheap

Nothing in this world is certain, except death and having to buy new textbooks every semester. New textbook purchases can br a pretty hard hit to your wallet, andeasiest ways to save money are to buy used and do your research beforehand. Buying books off websites like Amazon, Craigslist, or Sopo Books is the best way to find a better deal. It will take you a bit more time, but comparing prices of the same book from a variety of different sources, can help you save hundreds of dollars. Don't let terms like 'worn' or 'acceptable' scare you away from a good deal.

## 2.) Stay away from driving

Ah, transportation – although many of you incoming fresh-man will be wanting to sport that new car of yours, there are ways to travel that can save you big bucks. USM offers free bus transportation between the Gorham and Portland campuses. It may be a bumpy ride and occasionally you'll have to sit next to someone who is too talkative for your tastes or decided not to shower this morning, but it's only a half hour ride and thre savings are worth it. There are also always opportunities to carpool and you can always walk or bike to class when the weather is nice.

## 3.) Check your meal plan

Choosing the right meal plan is always something important to think about, especially if you live on campus. Like all aspects of spending, be sure to do your research to find what meal plan is right for you. If you're taking most of your classes in Portland, you'll want less dining hall meals and more dining dollars to spend wherever you'd like. Check the USM Dining Services website for more info on plans. If you live off campus and buy groceries for your household, compare prices, use coupons and avoid going out to eat at restaurants every week.

## 4.) Get your finances in order

For some people good organization is the bane of their existence, but it doesn't have to be. Set up a student checking account, most banks will offer them free of charge. Be sure to budget any income, save all your receipts, and if you get a chance, write down what you saved. If you're a little more tech savvy, use a money managing app like Mint to keep track of all your debit or credit card spending and see regular reports on your spending habits. Taking a good look your personal expenditure can shed light on the superfluous spending habits that you might need to put a stop to. At the end of the month, look back at those receipts to see where your money has been going. This can be a good way to realize that spending money on venti macchiato from Starbucks every morning may not be worth the cost.

## 5.) Find free fun

5. Free time with friends means going to the movie theaters, spending a day at an amusement park, bowling, or doing other really fun, but pricey, activities. Keeping the shots coming at a bar to try and impress your new crush might give you some satisfaction in the moment, but can fill you with regret once you open your wallet during your hungover stupor. Read a book, visit the Portland Art Museum (free on Fridays from 5-9!), have a picnic in the park, rent a movie and make popcorn, ride a bike, or make dinner for a date instead of going out. Why not share a Netflix account with a group of close friends? We all know the pure lazy bliss that comes from binge-watching an entire season of Lost. All of these activities are just as fun and come at a fraction of the cost.

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