



2012 Winter Issue

the free press

University of Southern Maine Student Newspaper

Courtesy of Mark Hensley

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Letters of welcome to new Huskies



Dear USM students:

Welcome to USM! I'm very happy to welcome you to our community, whether you are brand new or returning for another semester. As we begin this new term, please take a moment to set an intention for yourself as you embark on this next phase of your journey. What do you want to accomplish? What goals can you set for yourself? What new learnings do you anticipate? What skills do you want to practice? How will you be open to the new and surprising experiences that may await you?

Your intentions may range all the way from "survive my first college experience" to "get ready to graduate," and beyond. There are many possibilities that will depend on your situation, your ambition and your vision for the future.

I hope you will aim high. USM can provide resources, support, friends, guide and mentors. The educational opportunities here are superb. Our role is to help you to expand your horizons, see the variety of possibilities you can grow into and achieve your goals.

Sincerely,
Theo Kalikow, USM President



Alex Greenlee / Multimedia Editor
Student Body President Adam Higgins being sworn into office this year in October.

On behalf of the entire Student Government Association, I would like to welcome all new students to USM. There are many amazing opportunities here inside and outside the classroom, such as internships, research assistant positions and independent research. There are many student groups as well. Some of the best experiences of my college career have been helping to organize and participating in trips with student groups. Also, all SGA meetings are open to the public, and there are four committees that meet weekly. The Office of the Student Body President also has a Cabinet that is never full. If you have work study money, I can get you a job!

There will doubtless be times when you feel uncertain about your future and how to get there. Fortunately, there are literally hundreds of faculty, staff and administrators who are here to help you. If you do not like an answer, keep searching. It may be a cliché, but it is true: where there

is a will, there is a way. It is up to you to find it. Every student should access Residential Life, Student Life, Health & Counseling Services and Student Success.

I dare you to dream big. Plot and scheme amazing, unbelievably huge ideas. Then sit down with faculty, staff and more experienced student leaders, and plan your strategy for getting there. Remember, every employer is in the global marketplace, even small businesses here in Maine. If you are serious about getting a job while in school or after graduation in a field with higher pay than retail or restaurant work, you have to do more than just academic work. When you do extracurricular activities, plan to host an event or a conference. Employers have to see that you have some experience getting involved.

Stay the course. Life is hard, and earning an undergraduate education is supposed to be difficult. If it were easy, everyone would do it. Life will throw you all kinds of curve balls while you are in school. Keep swinging for the fences, and remember that you are never alone here at USM. There are 10,000 students, staff, administrators and faculty here. You always have thousands of people who are on your side and will do anything to help. All you have to do is ask. Start with me. How can I help you today?

Sincerely,
Adam N. Higgins
Your Student Body President

Letter from the Editor:



Sometimes this job is so chaotic and intense that I wonder why I'm doing it. Then, I sit back in my big leather office chair, take a copy of The Free Press in my hand, and I remember, all of a sudden, this is what I live for, because I am so lucky to get paid to do what I love. Many students do not have that luxury.

I've learned a lot since I became Editor-in-Chief of The Free Press in May. I first came to USM as a transfer student last semester with no experience in newspapers. I started writing for Kevin Steeves, the Arts & Culture Editor last year, and shortly became a staff writer.

As Spring 2012 neared its end, I noticed that ad after ad ran in The Free Press saying "you could be the next Editor-in-Chief," and I thought, "hmm, maybe I could do that — no, I'm too inexperienced."

By May, they were still trying to fill the position, and for some reason, I felt compelled to apply. Maybe it was that I was keen to help out, or maybe it was that

I like a challenge? Some might argue that I was self-destructive to even apply, but I did, and later that month, I got the job.

It's been a crash course from the beginning, but I guess I'm a crash-course kind of gal, because I have truly enjoyed the experience. From the first production night, when we were in the office until 5 a.m., to the ups and downs of working together as an entirely new and inexperienced staff, and my GPA declining a bit; we've had a hell of a time this semester figuring out how to do this.

Sure, it's stressful. My family and friends have learned not to call on Sundays because that's when the editor-monster is on a tear. Despite the stress, it's always worth it when I see the paper on Monday morning.

Getting involved with The Free Press was unexpected for me, but in stumbling into this job, I've figured out what I want to do with my life. I've found a family away from home, and I've gained amazing professional experience that will never fail me. For now, I have given my life to this paper, and I don't regret it. So, that's my advice to you, my challenge to you: find something here that you can be passionate about — don't wait until you've graduated to realize what you should have done when you had the chance.

Kirsten Sylvain
Editor-in-Chief

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Explore everything Gorham has to offer

Samuel Hill
Arts & Culture Editor

The Gorham Grind: The Gorham Grind is an independent coffee house, specializing in fine coffee, tea, espresso and pastries. Not only is this a wonderful spot to grab your daily caffeine and a bite to eat, but it also offers a quaint, relaxing environment to study or socialize with friends with its free wi-fi, collection of board games and warm, comfortable environment. The Gorham Grind is not just a coffee house; it's a friendly meeting place for USM students, Gorham residents and people just passing through. It is a truly unique business in the area. *18 South St.*

St. Joe's Coffee: St. Joe's Coffee is a breakfast hotspot in Gorham with an extensive menu, excellent coffee selection and delicious homemade baked goods. Offering a full menu for every meal with daily specials, excellent customer service and a refreshing atmosphere, this is the perfect venue to take a break and unwind from your day-to-day routine. If you wake up early to make it down to St. Joe's for a calm, peaceful meal, you definitely won't regret it. *29 School St.*

Thatcher's Restaurant and Sports Pub: Looking to go out to for a full meal? Give Thatcher's Restaurant and Sports Pub a try. With a relatively cheap menu compared to other restaurants in the greater Portland area and a fun, animated staff, Thatcher's is a great place to celebrate a special event with friends and family, or a great alternative if you want to get away from the dining hall for a night. The pub is always alive and bustling, filling up with Gorham residents and students nightly. This is a great place to get a delicious and filling meal close to campus. *29 School St.*

Neu 2 U: Neu 2 U is a clothing resale store that has a large stock of brand name apparel for teenagers and young adults. Every article of clothing is carefully inspected and cleaned before being sold, and everything is high-quality. Popular labels, such as American Eagle, Hollister, DKNY and Abercrombie and Fitch, are often available, and inventory changes daily. There is always something new for you to discover. Looking for some extra cash? You can sell some of your clothing to Neu 2 U as well. This is the shop to visit if you're looking to add to your wardrobe. *2 School St.*

The Bookworm: Like to curl up with a book? The Bookworm is a small bookstore with both new and used books, located right in town. The wall-to-wall shelves hold books of a wide-range of genres. From murder mystery to dystopian science fiction, from romance to thrilling crime dramas and classics, The Bookworm has it all. You'll be able to find whatever you're looking for with the help of the always-friendly staff, and can relax with a book in no time. *42 Main St.*

Costello Sports Complex: The Costello Sports Complex is the home of athletics and recreation at USM. Take a trip to the fitness room for a regular workout, taking advantage of the high-quality fitness equipment available to gym rats and inexperienced users alike. Go to the multi-purpose field house to run a few laps around the track, or use one of the four courts to play a game of basketball or volleyball. Sign-up for a free weekly fitness class in the exercise room such as Zumba or yoga, or put together an intramural team to compete in various sports. If you're looking to live healthy and get some exercise, Costello is the building for you. *On campus*

Gorham Learning Commons: The Gorham Learning Commons is the one-stop academic spot on campus. Whether you're dropping in to finish off a pesky homework assignment or you've been practically living there for weeks working on your final paper, you will definitely be visiting the library. With opportunities for solitary study in private areas and group study rooms to support student collaboration, the learning commons is study-central. This location is also where tutors in various fields have centralized, offering free assistance on a regular basis. Your grades will thank you for visiting. *Library on campus*

news@usmfreepress.org
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Justicia Barreiros / Free Press Staff

St. Joe's (Bottom) and the Gorham Grind (top) serve up great food and beverages very close to campus. At St. Joe's, grab breakfast or one of the most delicious smoothies you've probably ever had, and at the Gorham Grind warm up with a great cup of coffee and play board games with friends.

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EYE: Entry Year Experience

EYE 108	Culture, Identity and Education
EYE 110	Literature and Medicine
EYE 112	The Built Environment: Energy
EYE 125	Getting Down to Business
EYE 128	Getting Down to Business Lab
EYE 129	The Chicken Course
EYE 180	Innovation Engineering
HON 101	Power, Corruption & Foundings

College Writing

ENG 100	College Writing
ENG 104	Enriched College Writing
ESL 100	College Writing
LCC 110	Language and Literacies in a 21 st Century World
LCC 111	College Writing: Language and Literacies: Enrichment
RSP 100	Russell Scholars Writing I

Quantitative Reasoning

HON 105	An interdisciplinary Intro to Logic and Math
LCC 150	Statistics for Informed Decision Making
MAT 105	Mathematics for Quantitative Decision Making
MAT 120	Introduction to Statistics
MAT 140	Pre-Calculus Mathematics
MAT 148	Applied Calculus
MAT 152	Calculus A
MAT 210	Business Statistics
PSY 105	Statistics in Psychology
SOC 307	Quantitative Research Methods

Creative Expression

ART 141	2-D Design
ART 151	Drawing I
ENG 201	Creative Writing
HON 170	Oral Interpretation
HUM 307	Creative Nonfiction
LCC 250	Thinking about Art
MUS 110	Music Fundamentals
MUT 201	Music Theory and Aural Skills 4
RSP 101	Russell Scholars Creative Writing
THE 102	Acting for Non-majors
THE 103	Contemporary Dance I
THE 134	Production Management
THE 170	Public Speaking
THE 175	Oral Interpretation
THE 203	Musical Theatre Dance

Cultural Interpretation

ARH 111	Art History: Prehistoric through Medieval
ARH 112	Art History: Renaissance to the Present
ASL 102	Beginning American Sign Language II
ASL 202	Intermediate Sign Language II
ENG 120	Introduction to Literature
ENG 244	Introduction to Cultural Studies
ENG 299	Topics
FRE 102	Beginning French II
FRE 202	Intermediate French II
HON 102	Confrontation & Cross-Fertilization among Medieval Cultures
HON 202	Progress, Process or Performance
LCC 200	Creative Critical Inquiry into Modern Life
LCC 350	Global Past & Present
MUH 105	Multicultural Perspectives
MUS 100	Music Appreciation and History
MUS 102	Music of the Portland Symphony
MUS 103	Introduction to Jazz
PHI 102	Introduction to Philosophy: Quest for Certainty
PHI 105	Introduction to Philosophy: Philosophy through its History
PHI 106	Introduction to Philosophy: Why Philosophize?
PHI 107	Introduction to Philosophy: World Philosophy
PHI 109	Introduction to Philosophy: Law, Politics, and Society
PHI 310	History of Ancient Philosophy
PHI 320	History of Medieval Philosophy
RSP 250	Russell Scholars Seminar: Songs & Society
RUS 202	Intermediate Russian II
SPA 102	Beginning Spanish II
SPA 202	Intermediate Spanish II
THE 150	Text Analysis
WST 201	Women, Knowledge, and Power

Science Exploration

AST 100	Astronomy
AST 103	Astronomy: Activities and Experiments
BIO 101	Biological Foundations
BIO 102	Biological Experiences
BIO 107	Biological Principles II: Evolution, Biodiversity, Ecology
CHY 113	Principles of Chemistry I
CHY 114	Laboratory Techniques I
ESP 101	Fundamentals of Environmental Science
ESP 102	Fundamentals of Environmental Science Lab
ESP 125	Intro to Environmental Ecology
ESP 126	Introduction to Environmental Ecology Lab
GEY 100	Volcanoes, Earthquakes, and Moving Plates
GEY 101	Lab Experiences in Geology

GEY 103	Floods, Glaciers, and Changing Climates
GEY 105	Ocean Planet
GEY 106	Ocean Planet Laboratory
LCC 130	Biology of Human Health with Lab
PHY 101	Introduction to Physics
PHY 102	Introduction to Physics Laboratory

Socio-cultural Analysis

ANT 101	Anthropology: The Cultural View
ANT 201	Human Origins
ANT 220	North American Indians
CLA 285	Classical Mythology
CMS 102	Introduction to Communication
CRM 100	Introduction to Criminology
ECO 100	Introduction to Economics
ECO 101	Introduction to Macroeconomics
ECO 102	Introduction to Microeconomics
ECO 103	Critical Thinking about Economic Issues
ECO 104	US in the World Economy
ECO 108	Economic Journalism
ENG 230	Literacy Studies
GEO 101	Human Geography
GEO 104	World Regional Geography
GEO 120	Geography of Maine
GER 102	Beginning German II
GER 202	Intermediate German II
HON 103	Religious & Scientific Perspectives on Human Origins
HRD 200	Human Growth and Development
HTY 101	Western Civilization I
HTY 102	Western Civilization II
HTY 121	U.S. History to 1800
HTY 122	U.S. History to 1900
HTY 123	U.S. History since 1900
HTY 142	African-American History from 1865
HTY 152	The Islamic Near East
HTY 182	Latin America II
LIN 185	Language, Mind, and Society
LIN 203	Introduction to the Deaf World
LOS 310	Science, Technology & Society
POS 101	Introduction to American Government
POS 102	People and Politics
POS 104	Introduction to International Relations
POS 205	Introduction to Comparative Politics
SBS 200	Human Growth and Development
SBS 340	Language Acquisition & Literacy Development
SOC 100	Introduction to Sociology
SOC 210	Critical Thinking about Social Issues
SPA 270	The Culture and Civilizations of Spain
SWO 250	Introduction to Social Welfare
WST 101	Introduction to Women and Gender Studies

Ethical Inquiry, Social Responsibility, & Citizenship

ADS 300	Ethics & Youth with Exceptionalities
EDU 310	What is the Purpose of Education in a Democracy?
ENG 348	Empire, Ethics and Globalization
ESP 308	Global Environmental Problems & Sustainability
HON 310	Honors Global Ethical Inquiry
HTY 394	Topics: The Civil Rights Movement
LCC 370	Toward a Global Ethics
PHI 241	Philosophy & Politics of Work
PHI 290	Topics: Humans/Animals/Machines
REL 399	Religion and the Creation of Human
RUS 281	Humans & Other Animals

Diversity

EDU 305	Foundations of Cultural & Linguistic Diversity
ENG 383	Harlem Renaissance
HON 102	Confrontation & Cross-Fertilization among Medieval Cultures
LIN 185	Language, Mind, and Society
LIN 203	Intro to the Deaf World
NUR 326	Dominican Republic Community Nursing
NUR 339	Community Nursing Partnerships I
NUR 341	Community Nursing Partnerships II
NUR 419	Community Nursing Partnership
POS 104	Introduction to International Relations
SBS 345	Diversity: Many Voices
SOC 199	Topics: Soc Networks & Value Diversity
SWO 365	Examining Oppression and Valuing Diversity
THE 360	Butches, Bitches & Buggers: An Exploration of Modern Queer Drama
WST 101	Introduction to Women and Gender Studies

International

ARH 112	Art History: Renaissance to the Present
BUS 335	International Business
EDU 491	Topics: Arab Women Writers
FRE 202	Intermediate French II

GEO 101	Human Geography
GEO 104	World Regional Geography
HON 310	Honors Global Ethical Inquiry
ITP 230	Project Management
POS 104	Introduction to International Relations

Spring 2013 Course Descriptions

ABU 190 Spreadsheets & Problem Solving

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

ACC 110 Financial Accounting Information for Decision Making

This course is designed to help students appreciate the role of accountants in providing information helpful for 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

ACC 211 Managerial Accounting Information for Decision Making

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

ACC 221 The Financial Accounting Cycle

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

ACC 301 Financial Reporting I

An examination of the conceptual framework, the primary financial statements, and the methods and rationale for recording and reporting assets. Emphasis is on the effect of present and potential economic events on the financial statements. The course discusses the advantages, limitations and deficiencies associated with generally accepted principles in connection with presenting decision useful information. Prerequisites: ACC 110, ACC 211, ACC 221 (with a grade of C or higher), and junior standing. Cr 3

ACC 302 Financial Reporting II

An examination of the methods and rationale for recording liabilities and equity. The course also examines the statement of cash flows. Emphasis is on the effect of present and potential economic events on the primary financial statements. The course discusses the advantages, limitations, and deficiencies associated with generally accepted principles in connection with presenting decision-useful information. Prerequisites: ACC 301 and junior standing. Cr 3

ACC 329 Accounting Information Systems

This course explores the theory and tools needed to select, use, set up internal controls for, and obtain information from accounting systems. The basic debits and credits of double-entry accounting are reviewed using a manual practice set that includes preparing typical business documents. The business activities performed in the expenditure, production, and revenue cycles are covered together with the documents, internal controls, and reporting needs relevant to each cycle. Significant emphasis is placed on the effects of error on financial reports, the controls needed to prevent and detect errors in accounting systems, and the correction of system errors. The use of small business accounting software is introduced. Students use accounting software to set up accounts, process transactions, and produce managerial and standard financial accounting reports. Prerequisites: ACC 211 (C- or higher), ACC 301, and junior standing. Spring only. Cr 3

ADS 300 Ethics and Youth with Exceptionalities

There are two major outliers when discussing youth: youth with disabilities and youth who are gifted and talented. In addition, there is a fascinating subset of these two groups, which is youth who are dually exceptional, having both a disability and gifts and talents. Through the use of case studies and court decision analysis, panel discussions, and reflections this course will focus on these three groups of youth and how they are marginalized in general society, and in educational settings. This course will explore why and how these youth are marginalized and how the marginalization of them is continued in mainstream society and by others, many times unconsciously. This course requires a four-hour field placement working with youth with exceptionalities. Cr 3

AED 221 Practicum in Art Education

An introduction to art education theories and processes through readings, writings, discussion, observation, and clinical experiences with children. The examination of the relationship between art-making and learning is relevant to prospective art and classroom teachers. Prerequisites: sophomore standing or above and art foundation. Cr 3

AED 321 Principles and Procedures in Art Education

History and philosophy of art education, theories of child art, relationship of goals to art education strategies, development of a workable set of beliefs about art education through readings, writings, discussion, observation, interview, and field experiences. Intended for the art education major. Prerequisites: AED 221 and art foundation. Cr 3

ANT 101 Anthropology: The Cultural View

This course is a basic introductory survey of cultural anthropology. It examines the differences between cultures as well as cultural universals, and the relationship between social organization, ideology, economics, and political structure in different types of societies. It reviews the various theoretical approaches in cultural anthropology's attempt to explain human behavior, presenting examples from foraging, farming, and contemporary industrial societies through readings and films. Cr 3

ANT 103 Introduction to Archaeology

This course describes the methods and theories used by modern archaeologists to uncover information about past human life ways. Attention is given to techniques of survey and excavation of archaeological materials; concepts of space and time in archaeology; and detailed analysis of artifacts and organic residues. Some attention will be given to specific topics such as the archaeology of Maine. Cr 3

ANT 201 Human Origins

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

ANT 220 North American Indians

This course combines an ethnographic and archaeological perspective on the culture history and traditional cultures of native North Americans. Emphasis is placed on the relationship of aboriginal native cultures to their environments, and the evolution of complex societies in certain regions of North America. Also included is discussion of the fragmentation of Indian societies that followed the European invasion of North America. Cr 3

ANT 261 Introduction to Cultural Tourism

This course explores cultural tourism, including how arts, crafts, local heritage and history can be incorporated into tourism planning and development. Topics include the meaning, value, and potential tourism roles of historical sites, festivals and events, arts and artisans, archaeological and cultural heritage sites, and museums and educational institutions. Cr 3

ANT 299 Topics

No description available. Cr 3

ANT 306 Analysis of Archaeological Materials

This course provides an opportunity for in-depth study of methods used in the analysis of archaeological materials after they are recovered from excavations. Students will work in teams to apply analytical techniques to archaeological site collections including ceramics; stone, bone, and shell artifacts; and archaeological soils and faunal remains. Credit will vary with the range of techniques covered in a particular semester. Prerequisite: ANT 103. Cr 3-6

ANT 450 Topics in Anthropology

This course is designed to undertake detailed, in-depth analysis of important topics and issues in such subfields of anthropology as sociocultural anthropology, biological anthropology and archaeology. Topics vary from semester to semester. Research papers are required. Prerequisite: junior standing or permission of instructor. Cr 3

ARH 111 Art History: Prehistoric through Medieval

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: Core Area "C." Preference given to candidates for matriculation into the Department of Art, or those with permission of the instructor. Cr 3

ARH 112 Art History: Renaissance to the Present

Examination and discussion of the painting, sculpture, and architecture from the Renaissance to the present. 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: Core Area "C." Preference given to candidates for matriculation in the Department of Art, or those with permission of the instructor. Cr 3

ARH 322 Medieval Art

A survey of the various medieval styles from the Early Christian through the Gothic period with a special section on Islamic art. The relationship of culture to art will be examined for architecture, painting, and sculpture. Prerequisite: ARH 111. Cr 3

ARH 327 Modern Art

Examination of modern art and artistic movements from the end of the nineteenth century to World War II. Emphasis will be placed on understanding the history and theories of modern art in social and cultural context. Prerequisite: ARH 112. Cr 3

ART 141 2-D Design

Provides an introduction to the fundamentals of 2-D design and color theory through a series of exercises and applied problems in visual organization. Development of a personal design sensibility will be encouraged. Cr 3

ART 142 3-D Design

Through a series of projects, demonstrations, and discussions students will develop an awareness of and an ability to work in three dimensions. Cr 3

ART 151 Drawing I

An introduction to the basic materials, techniques, and principles of drawing. Emphasis placed on seeing and translating the three-dimensional environment onto two-dimensional surfaces. The expressive and communicative role of drawing will be considered. Cr 3

ART 152 Drawing II

Builds on principles and techniques presented in Drawing I. Expanded use of basic materials with an introduction to mixed media. Increased emphasis on expressive and conceptual approaches to drawing. Prerequisite: ART 151. Cr 3

ART 221 Introduction to Digital Art

This course will address aesthetic, historical, and theoretical perspectives on digital media in the arts and contemporary culture. The students will use industry-standard software to create and process digital imagery. Prerequisite: art foundation or permission of the instructor. Cr 3

ART 231 Introduction to Ceramics

An introduction to methods and processes of clay forming, including 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 foundation or permission of the instructor. Cr 3

ART 241 Introduction to The Visual Book

This course will use the visual artist's book as a medium for personal expression. Students will incorporate 2D and 3D skills to create a collection of unique books. A variety of traditional and nontraditional books, arts, and techniques will be used to develop both form and content. Prerequisite: art foundation or permission of instructor. Cr 3

ART 251 Drawing

Extensive combining of media. Stress on role of images, both object and model. Prerequisite: art foundation or permission of the instructor. Cr 3

ART 261 Introduction to Painting

An introduction to the basics of oil painting. Students are introduced to the materials and techniques of the medium, including supports and grounds, binders and dilutants, and pigments. Work is primarily from observation and focuses on the acquisition of technical skills to provide a solid foundation for continuing studies. Prerequisite: art foundation or permission of instructor. Cr 3

ART 271 Introduction to Photography

An introduction to the fundamentals of black and white photography. Students will learn how to use a manual camera and how to develop and print film. These technical skills will be taught in conjunction with an introduction to the historical, stylistic, and visual communication characteristics of photography. Prerequisite: art foundation or permission of instructor. Cr 3

ART 282 Introduction to Printmaking: Lithography and Screenprinting

This course introduces planographic methods of printing. Students will explore traditional lithography on stone as well as direct hand methods and photomechanical methods for screenprinting. Prerequisite: art foundation or permission of instructor. Cr 3

ART 292 Sculpture: Altered and Constructed Processes

No description available. Cr 3

ART 321 Digital Video Applications

This course provides an in-depth introduction to capturing and editing digital video. Students will view and analyze historical and contemporary film and video projects to gain an understanding of time-based media. Prerequisite: ART 221. Cr 3

ART 331 Intermediate Ceramics I

This course extends the basic processes and methods of forming clay into teapot fundamentals, glaze study, and figure work. Students keep accurate records of their own progress and development. Prerequisite: ART 231. Cr 3

ART 332 Intermediate Ceramics II

Students combine several methods of forming clay in one work and explore the complex use of nature and design. Students engage in historical research and presentation, keep accurate records of their development, and help fire kilns. Prerequisite: ART 331. Cr 3

ART 352 Experimental Drawing Techniques

Course explores combining media, color and colored grounds, supports, and drawing that goes beyond two-dimensions. Students will study contemporary developments in drawing and the use of non-traditional media. Prerequisite ART 251. Cr 3

ART 361 Intermediate Painting I

Continued investigation of the painting process with refinement in materials and techniques, direct and indirect painting, and studies in color (opaque and transparent). Work is directed at control of spatial presentation, introduction to figure study, and acquiring a repertoire of diverse mark-making. Prerequisite: ART 261. Cr 3

ART 372 Color Photography

This course introduces students to the processes, applications, and theory of color photography as an artistic medium. It covers processing, printing methods, color theory, and color management. Students are introduced to image editing software for color correction, image manipulation, and digital output. A series of assignments introduce students to the formal issues presented by color as an element of the medium, as well as analyze visual content in the broader project of photographic image-making. Prerequisites: ART 221 and ART 271. Cr 3

ART 382 Experimental Printmaking

This course introduces methods of printmaking that are experimental, photographic, and digital in nature. Students will learn contemporary approaches to topics such as photogravure and duotones through direct and photomechanical methods for intaglio and lithography. Prerequisites: ART 221, and ART 281 or ART 282. Cr 3

ART 391/392 Intermediate Sculpture

The theory and practice of sculptural composition using a variety of techniques with traditional and new materials. Prerequisite: ART 291. Cr 3/3

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, students will use written and videotape materials out of class. Cr 4

ASL 102 Beginning American Sign language II

This is the second beginning course in American Sign Language (ASL). Prerequisite: ASL 101 or departmental permission. Cr 4

ASL 202 Intermediate American Sign Language II

Continuation of ASL 201. 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 201 or departmental permission. Cr 4

ASL 302 ASL Linguistics in ASL

This course focuses on advanced aspects of ASL grammar including complex co-reference, the scope of non-manual grammatical markers, quantification, complex classifier choice, verbs of motion and location, and complex aspectual marking and agreement. Students receive diagnostic feedback throughout the course and are given specific remedial studies to pursue independently. Prerequisites: ASL 202 and rating of 2 or better on the ASLA or ASLPI, or LIN 105, and LIN 312 or 313. Cr 3

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 101 Biological Foundations

An introduction to the areas of current biological interest: molecular and cellular biology, genetics and development, and evolution and population biology. 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. This course cannot be used as a prerequisite for other biology courses. Cr 3

BIO 102 Biological Experiences

Laboratory studies to complement and illustrate the concepts presented in BIO 101. Prerequisite: Prior or concurrent registration in BIO 101. 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. Cr 3

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 concurrent enrollment in BIO 105. Students must have fulfilled the University minimum proficiency requirements in writing and mathematics. Cr 1.5

BIO 107 Biological Principles 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: grades 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. Cr 3

BIO 211 Human Anatomy & Physiology II

This course is a continuation of BIO 111. The structure and function of the endocrine, cardiovascular, respiratory, digestive, and urinary systems will be discussed. Prerequisite: grade of C- or higher in BIO 111. Cr 3

BIO 212 Practical Human Anatomy and Physiology II

Laboratory studies of the structure and function of the endocrine, cardiovascular, respiratory, reproductive, digestive, and urinary systems. Prerequisite: grade of C- or higher in BIO 112; BIO 211 or concurrently. Cr 1.5

BIO 217 Evolution

This course teaches the geological and fossil records; the mechanism of selection as a creative principle; the genetic basis of natural selection; the pervasive imprint of evolution in living and fossil species; the evolution of complex molecules and organ systems; and the geological and ecological processes that have influenced diversification. Prerequisite: grade of C- or higher in BIO 107, or permission of instructor. Cr 3

BIO 311 Microbiology

This course is a comprehensive introduction to prokaryotes, biochemical, and genetic aspects of cellular biology. Viruses and some eukaryotic micro-organisms are also considered. Prerequisites: CHY 115 and grade of C- or higher in BIO 107; or permission of instructor. Cr 3

BIO 312 Microbiological Laboratory

The laboratory explores basic techniques of isolation and cultivation of microorganisms, primarily bacteria and fungi. In addition, biochemical, molecular, and genetic analyses of microorganisms are introduced. Prerequisite: grade of C- or higher or concurrent enrollment in BIO 311; or permission of instructor. Cr 2

BIO 321 Introductory 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 322 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 105 or BIO 211, or permission of instructor. Cr 3

BIO 353 Vertebrate Zoology

This course is a survey of the vertebrate animals, focusing on classification, morphology, physiology, ecology, behavior, and evolutionary history of each group. Lecture three hours a week; one four-hour laboratory a week. Prerequisites: grade of C- or higher in BIO 109. Cr 5

BIO 361 Parasitology

The life histories and host-parasite relationships of animal parasites, with emphasis on those of humans. Prerequisite: grade of C- or higher in BIO 105. Cr 2

BIO 362 Parasitological Laboratory

The morphology and life cycles of parasitic protozoa, helminthes, and arthropods. Prerequisite: BIO 361 or concurrently. Cr 2

BUS 101 Getting Down to Business

This course is an integrated, comprehensive overview of the way a business operates and what it takes to manage one. It introduces students to the basic, interdisciplinary knowledge used to run a business-such as finance, marketing, and management-by giving students an extended opportunity to manage a business in a simulated business environment. Students also get experience with, and enhance their ability to work in, self-managed teams. The course is strongly recommended as a first business course for all first-year students who are, or are considering, a major or minor in the School of Business. The course is designed, in part, to acclimate the recent high school graduate to USM. It is open to all University students, except those with more than 23 credits or credit for an introductory business course such as BUS 200. Cr 3

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 decisions. 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 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 (C- or higher) and junior standing. Fall only. Cr 3

BUS 316 Sport Event Management

This course is designed to provide practical involvement in managing a sport event. Students will be assigned to committees for which they will plan, organize, publicize and manage all aspects of event operations during the semester. A required component of the course will include a commitment to work with the actual event. Prerequisite: BUS 311. Cr 3

BUS 335 International Business

Introduction to the global economy and the political and cultural environments of international business. Topics include financial, marketing, and human resource issues in international business. Prerequisites: ECO 101, ECO 102, and junior standing. Spring only. 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 a 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 359 Customer Relationship Management

Customer relationship management (CRM) involves the strategic use of people, technology, and processes to select, acquire, and retain customers to maximum profit. This course emphasizes the link among CRM, database marketing, and customer value and also develops students' skills in database design, selection, and data analysis. Prerequisites: BUS 260, BUS 275 (or MAT 212), BUS 345, and junior standing. 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. Prerequisites: BUS 260 (C- or higher) and sophomore 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; guest lectures; use of PowerPoint; use of sales 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 the way 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 369 Marketing Research

Students learn the benefits of marketing research as a management planning and evaluative tool. Topics include problem formulation, research design, sampling, data collection and analysis, and managerial interpretation of the findings. Major emphasis is on quantitative aspects of the marketing research process. Students gain knowledge of the marketing research process through completion of a marketing research project and lab work with statistical software. Prerequisites: ABU 190 (C or higher grade) or test-out option, MAT 210 (C- or higher grade) or other approved statistics course (see www.usm.maine.edu/sb/stats.html for approved courses), BUS 260 (C- or higher), and junior standing. Spring only. 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 382 International Business Law

An examination of legal issues affecting international business transactions. Topics include contracts, sale of goods, letters of credit, regulation of imports and exports, business competition law, protection of intellectual property rights, and ethical issues. Prerequisites: BUS 280 (C- or higher) or equivalent, and junior standing. 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

CHY 103 Introduction to Organic and Biochemistry

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

CHY 104 Introductory Organic & Biochemistry Lab

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

CHY 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 115 Principles of Chemistry II

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

CHY 116 Laboratory Techniques II

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

CHY 253 Organic Chemistry II

A continuation of CHY 251, but with a more extensive (and intensive) investigation of the principal categories of organic reactions. Extensive problem solving in such areas as structure determination, spectroscopy, and stereochemistry. The structures and fundamental chemical reactions of lipids, carbohydrates, proteins and nucleic acids will be presented. Prerequisite: a grade of C- or better in CHY 251. Cr 3

CHY 254 Organic Chemistry Lab II

Students will apply the skills they developed by working with model compounds in CHY 252 to the synthesis of the desired target molecules. Prerequisite: A grade of C or better in CHY 252. Prerequisite or co-requisite: CHY 253. Cr 2

CHY 371 Physical Chemistry I

Principles of theoretical chemistry: quantum mechanics and spectroscopy. Candidates for the B.S. degree elect this course in the fall semester of the junior year. Prerequisites: a grade of C or better in CHY 115, MAT 152, and PHY 123. Cr 3

CHY 377 Instrumental Analysis

A consideration of the applicability of current laboratory instrumentation both to the elucidation of fundamental chemical phenomena and to the measurement of certain atomic and molecular parameters. Topics include absorption and emission spectroscopy in the ultraviolet, visible and infrared regions; chromatography; electrochemistry; mass spectrometry; and magnetic resonance. Prerequisite or co-requisite: CHY 231 and CHY 371 or permission. Cr 3

CHY 378 Instrumental Analysis Laboratory

Experiments will be performed in electrochemistry, mass spectrometry, gas and liquid chromatography, and UV-Vis, NMR, AA, and fluorescence spectroscopy. Prerequisites: grades of C or better in CHY 232 and CHY 371. One hour of pre-lab recitation and three laboratory hours per week. Cr 2

CLA 171 Etymology for Everyone

Etymology is the study of word origins and derivations. This course focuses on the learning of the Latin and Greek roots of English as a key to the improvement of English vocabulary. No prior knowledge of Latin or Greek is necessary, nor are there any other prerequisites. Cr 3

CLA 285 Classical Mythology

Examination of the myths of Greece and Rome from a variety of perspectives: anthropological, etiological, historical, psychoanalytical, structural. 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 100/101/104C or HON 100 plus one of the following courses in ancient Greek culture: CLA 283H, CLA 291I, GRE 251, HON 101, HTY 101I, HTY 303, PHI 310I, or permission of instructor. 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 190 Introduction to Media Production

This course will examine the phases of production and design associated with studio production, video field production, and multimedia production. Course content will also explore media aesthetics. Prerequisites: CMS 102, CMS 103, and communication or media studies major. Cr 3

CMS 191 Introduction to Media Production and Design Lab

Various production exercises and assignments to illustrate the principles and theories presented in CMS 190. Prerequisite: concurrent enrollment in CMS 190. Cr 1

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 205 Topics in Media Writing 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 210 Topics in Media Criticism 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 255 Business & Professional Communication

Designed to provide students with essential communication skills for business and other professional settings, the course covers interpersonal, group, and public communication. These skills include listening actively, giving and receiving constructive feedback, interviewing others, leading groups, negotiating, and making effective public presentations. The course also includes discussions of gender, cultural diversity, and ethics in the workplace. Cr 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 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: communication or media studies major, CMS 102 and CMS 103. Cr 1-3

CMS 302 Writing the Feature Story

Students generate story ideas according to their own interests and target them for publication in specific markets. Class time focuses on perfecting writing and editorial skills, developing style and a field of interest, building an accomplished portfolio, and examining the practical and philosophical challenges of writing professionally. There is a strong emphasis on taking the initiative and working independently. Prerequisites: communication or media studies major, CMS 102, CMS 103, CMS 202, or instructor permission. Cr 3

CMS 303 Media Effects

This course will examine the effects of mass media upon individuals and societies. It will explore such questions as who is affected, what effects occur and how much, which media content is involved, and what situations make effects more or less likely to take place. Prerequisites: communication or media studies major, CMS 102, CMS 103, CMS 200 or instructor permission. Cr 3

CMS 305 Writing Opinion: Editorials and Columns

This is a writing intensive course that provides students with the basic skills for writing editorials, columns, and journalistic essays. The emphasis is on economical, persuasive, and strongly argumentative styles of writing. Students will read, analyze, and discuss throughout the semester the work of a leading U.S. essayist/columnist. Prerequisites: CMS 102 and CMS 103. Cr 3

CMS 310 Topics in Media Criticism 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: communication or media studies major, CMS 102 and CMS 103. Cr 3

CMS 315 Broadcast Newswriting

This course introduces the basics of newswriting for television. It stresses brevity and conversational style of writing. Students will learn how to write TV news story scripts, beginning with simple news scripts (readers) and closing with complex scripts (packages). By providing the basics, the course prepares students for an internship with a broadcast news organization. It also offers practical advice on obtaining a job in broadcasting. Prerequisites: Communication or media studies major, CMS 102 and CMS 103. 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 325 Screenwriting II

Students will continue to build skills in dramatic story structure, visual storytelling, character, dialogue, conflict enhancement, effective description, and theme development. Each student will produce a draft of a feature length screenplay. Prerequisite: CMS 225. 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 355 Consumer Culture

This course explores U.S. commercial culture from historical and theoretical perspectives that privilege media and advertising/marketing. It engages critical perspectives that question consumer culture. The course focuses on the historical development of consumer culture, and how identity, the environment, and economy, are impacted and shaped by it. Prerequisites: CMS 102 AND CMS 103 and communication or media studies major. Cr 3

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

CMS 398 Topics in Communication II

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, CMS 103, and CMS 200. Cr 3

CMS 498 Topics in Communication III

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, CMS 103, CMS 200, and junior or senior standing. Cr 3

CON 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

CON 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

CON 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

CON 261 Intro to Naturopathic Medicine

Naturopathic medicine is a safe, alternative approach to primary care that empowers patients to maintain health naturally. Students will receive a comprehensive overview of naturopathic medicine, including its history, training, philosophy and treatments including nutrition, herbal medicine, hydrotherapy, homeopathy, physical medicine, mind-body medicine, and environmental influences on health and disease. Student will learn numerous techniques for self-care, as well as larger theoretical concepts of natural medicine. Cr 3

CON 270 Holistic Approaches to Reproductive Health

This course will enable the student 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 an assignment to create a holistic teaching page related to a reproductive health topic. Offered during Summer Session as an online course. Cr 3

CON 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 288 Reiki: Energy Medicine

This class will provide the student with Reiki Level I and II certification. Reiki is an ancient form of healing from Tibet. Rei means universal life, Ki means energy. Reiki means life for energy and is based on the idea that we are energy. Reiki is a hands-on, light touch, healing energy. Many healthcare organizations are interested in alternative or complementary approaches to care and are offering services such as Reiki to help decrease pain, anxiety, depression, and aid in the comfort and well-being of their clients. To provide these services there are additional training and certifications required. The class will combine both lecture and hands-on experiences. In addition, the class will engage in service learning by providing Reiki treatments to the community. 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 311 Psychosocial Interventions for Older Adults

This course will explore the normal aging process in addition to a variety of chronic conditions experienced by older adults. The focus of the course will be on non-pharmacological intervention strategies for older adults residing in community and clinical agencies. Intervention examples include stress management, animal-assisted therapy, storytelling, autobiographical writing, bibliotherapy, adventure-based activities, air mat therapy, and "simple pleasures" activities. Other topics of study will include attitudes, stereotypes, and social issues that affect older adults today. Off-campus service learning experiences will be expected along with in-class discussions. Cr 3

CON 314 Wellness Education & 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 321 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 250 Computer Organization

The basic hardware, architecture, and software of computer systems are covered. Subjects include digital logic design, microprogramming, machine languages, assembly languages, and operating systems. Prerequisite: COS 161. This course must be taken concurrently with COS 255. Normally offered only in the spring semester. Cr 3

COS 255 Computer Organization Lab

Students design, build, and test combinational and sequential logic circuits and write assembly language programs. This course must be taken concurrently with COS 250. Cr 1

COS 350 Systems Programming

A study of systems programming concepts and software, including the C programming language and the Unix programming environment and operating system interface. Students develop their abilities in these areas through programming exercises and projects. Prerequisites: COS 250, COS 285. Cr 3

COS 398 Professional Ethics and Social Impact of Computing

A study of ethical perspectives and social responsibilities of computer professionals. Assigned readings provide the basis for class discussions of such issues as social control and privacy, computer viruses, ACM code of professional conduct, hacking, limits of correctness in computer software, military influence on computer science research and education. Prerequisite: junior or senior standing. Typically offered in spring semester only. Cr 3

COS 399 Programming Autonomous Robots

Introduction to the programming concepts involved with autonomous robotic systems. Using off-the-shelf "robot kits" students will design a simple robotic platform to meet specific goals. Then, using a common platform for the remainder of the course, students will develop their programming capabilities. Simple open-ended, feedback, and artificial intelligence systems will be explored throughout the course. Several benchmarks and robot competitions will be used to demonstrate the platform and programming learned in the course. Typically offered once every two years Prerequisite: COS 285. 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 216 White-Collar Crime

This course provides an analysis of different criminological perspectives on white-collar crime, and focuses on some specific types of white-collar crime: occupational crime, corporate crime, syndicated crime, and political crime. Prerequisite: CRM 100 or permission. Cr 3

CRM 220 Research Methods in Criminology

This course is an introduction to methodological issues in criminology. The emphasis is on critical evaluation and application of the basic instruments of inquiry. Students will learn how to "do" criminology, as well as how to assess existing criminological literature. Prerequisite: CRM 100 or permission. Cr 3

CRM 225 Crimes against the Environment

This course is designed to expose students to many of the prominent controversies and challenges associated with defining, measuring, and responding to crimes against the environment. Central to the course is an examination of the relationship between socioeconomic power and its effect on responses to environmental change. 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 320 Film and Social Order

The intent of this course is to engage in a cross-cultural study of the relationship of film to social order and crime. Films construct images about social reality. The ways in which these images present and interpret this relationship will be examined from various analytical standpoints, including ethno-methodology, semiology, and post-modernism. 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 340 Criminal Law

This course offers students an intensive study and review of statutory law, case law, and criminal procedure. Substantive topics covered include responsibility; insanity; grand jury; 4th, 5th, 8th and 14th Amendment issues; pre-trial; trial; sentencing and appeals. Materials are drawn from U.S. Supreme Court and Maine Judicial Court opinions. 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 380 Restorative Justice

This course explores theory and research on restorative justice, which is an international movement of "progressive" reform that claims to reduce social inequalities generating crime. Students explore theoretical and empirical developments in restorative justice and examine programs claiming restorative components, such as victim-offender mediation and diversionary conferences. Prerequisites: CRM 100 or permission. Cr 3

ECO 100 Introduction to Economics: Ideas and Issues

An introduction to basic economic ideas, issues, and theories for non-majors. The course surveys microeconomic and macroeconomic theories and analyzes current topics and problems of the economy. 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 103 Critical Thinking About Economic Issues

This course aims to develop critical thinking skills through the study of competing interpretations and analyses put forward by economists. Students will use a variety of texts, media, and activities to better understand controversial topics in economics. The specific thematic focus of ECO 103 may vary from section to section. Examples of topics which may be examined include the economics of health care, economic inequality, the global economy, and the economics of the environment. Prerequisites: College Writing. Cr 3

ECO 104 The U.S. in the World Economy

Students will examine national and global economic issues through consideration and application of economic theories. They will analyze and discuss basic economic principles and viewpoints, traditional policy approaches, post-World War II transformation in the U.S. economy, the impacts of the changing global economy on various aspects of life in the United States and will develop policy responses to these issues. Prerequisites: none. This course will satisfy a second-tier Socio-Cultural Analysis Core curriculum requirement. Yearly, spring. Cr 3

ECO 108 Economic Journalism

This course introduces students to current economic and public policy events in the United States. Guided research resulting in reporting of economic trends as well as advocacy pieces will be communicated to a broader public via social media. Emphasis on the impact of national trends on Maine. Prerequisite: ENG 100, ENG 104, or equivalent Cr 3

ECO 220 U.S. Economic and Labor History

This course examines labor issues in the U.S. economy, combining analytical and historical perspectives. The course surveys the evolution of labor in the U.S. economy from the industrial revolution to the present, considers the history of the American worker and of the U.S. labor movement, and analyzes labor markets and their relationship to the competitiveness of the U.S. economy. Prerequisite: English competency requirement. At least biannually. Cr 3

ECO 302 Intermediate Microeconomics

Analysis of individual markets, choice, and exchange theory: the functioning of prices in a market economy, rational decision making by consumers and producers, cost and production analysis, market structure, and theory of public goods and market failures. Prerequisites: ECO 101 and ECO 102, or ECO 100 and Department permission. Yearly, spring. Cr 3

ECO 310 Money and Banking

This course examines the structure and operation of the financial system with major emphasis on commercial banking; reviews the structure of the Federal Reserve System and analyzes the tools of policy; develops alternative monetary theories; and discusses major issues in monetary policy. Prerequisites: ECO 101, ECO 102. 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. Prerequisite: any 100-level ECO course. Cr 3

ECO 319 Macroeconomics: Ceht & Finance

This course focuses on alternative and conflicting approaches to the role(s) of debt, private and public, in a modern macroeconomy, debt as a mechanism sustaining aggregate demand growth, debt as source of cyclic instability ("bubbles"), debt expansion as a part of counter-cyclical policy, debt as a long-term constraint on policy possibilities. The broad question addressed in the course: what are the real constraints on policy for a nation with a sovereign currency, the limits on what we can afford, now and for the future? Prerequisite: ECO 301

EDU 100 Exploring Teaching as a Profession

An exploration of teaching as a professional career through field-based experiences and faculty-led seminars. 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 and 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?

This course explores the role of public schooling in the United States and world with respect to ethical dimensions of equity and justice. Using a framework of education rights for a democracy, students analyze ethical dilemmas found in texts, videos, and personal stories, engage in multicultural field experiences, and present grounded perspectives in response to the question in the course title. A 12-15 hour field placement is required for this course. Prerequisites EYE 108 or EDU 100, and College Writing, and HRD 200. 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 183 Engineering Tools: LabView

An introductory course to help students become familiar with LabView and its use as a GUI programming tool for automated data acquisition, computer-instrument interfacing and control, and data processing. Students will learn the basics of LabView programming and use it in hands-on lab exercises to gain enough experience to start their own data acquisition and measurement project. Lecture 1 hr., Lab. 1 hr. (Spring) Cr 1

EGN 184 Engineering Tools: Industrial Power

An introductory course to help students become familiar with hydraulics, pneumatics, and programmable logic controllers (PLCs). Students will work with input and output components and learn the basics of PLC programming and downloading. During these hands-on lab exercises, Allen Bradley PLCs will be interfaced and control pneumatic power systems. Lecture 1 hr., Lab. 1 hr. (Spring) Cr 1

EGN 260 Materials Science for Engineers

Concepts and relationships between structure, composition, and thermal, optical, magnetic, electrical and mechanical properties of technologically important materials. Replaces EGN 362 and ELE 262. Prerequisites: PHY 123, MAT 153, CHY 113. Lecture 3 hrs., Lab 1 hr. (Fall.) Cr 3

ELE 172 Digital Logic

Introduction to the design of binary logic circuits. Combinatorial and sequential logic systems. Design with small and medium scale integrated circuits and programmable logic devices (PLDs). Registers, counters, and random access memories (RAMs). The algorithmic state machine (ASM). Lecture 3 hrs., Lab. 2 hrs. Cr 4

ELE 217 Circuits II: System Dynamics

Time-domain analysis of first- and second-order systems, based on electric circuits, but drawing analogy to mechanical, fluid, and thermal systems. Study and application of the Laplace transform for the solution of differential equations governing dynamic systems. Frequency domain analysis, transfer functions, poles and zeros, frequency response, basic filtering, and resonance. Principles of control, feedback, and stability. Prerequisite: ELE 216. Lecture 3 hrs., Lab 2 hrs. Cr 4

ELE 243 Electronic Devices and Circuits

Operation, terminal characteristics and circuit models of p-n junction diodes, bipolar-junction and field-effect transistors. Nonlinear circuit analysis methods: piece-wise-linear, small-signal and SPICE. Biasing and bias stability. Rectifiers, clipper, clamper, Zener regulator circuits, and small signal BJT and FET amplifiers. Analysis, design, and SPICE simulation of such circuits. Replaces ELE 342. Prerequisite: EGN 260. Co-requisite: ELE 217. Lecture 3 hrs., Lab. 2 hrs. (Spring) Cr 4

ELE 351 Electromagnetic Fields

Static electric and magnetic fields; properties of dielectric and ferromagnetic materials; time varying fields, Faraday's law, Maxwell's equations; plane waves in dielectric and conducting media; calculation of the fields and other properties of common transmission lines and other devices. Prerequisites: MAT 252, ELE 217. Lecture 3 hrs. (Spring, 2-yr rotation.) Cr 3

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 104 Enriched College Writing

This version of college writing provides significant opportunities to improve grammar and usage, drafting and revision, and analytical reading through discussion, small-group work, and one-on-one time with instructors. The course is designed for students who have not met the University's measure of college readiness in writing, and for any student interested in extra structure and support for success in the course. At the end of the course, an ENG 104 student will be 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. Every semester. Cr 4

ENG 120 Introduction to Literature

This course will pay sustained attention to texts in order to show how they create meanings and explore the force and significance of those meanings in the world. The course will examine several genres selected from a range of historical periods. Prerequisite: College Writing or permission of instructor. Every semester. 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 202 Memoir and Narrative Autobiography

This course offers orientation in the technique of narrative autobiographical writing. Using journal writing, observational writing, and free writing techniques, students will learn to access story material from memory and develop a personal writing practice. They will be assigned readings in memoir and autobiography, and will assemble a portfolio of essays and personal writings. Every fall. 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 244 Introduction to Cultural Studies

This course introduces students to the history, concepts, and methods of cultural studies. Students will read a variety of critical texts from a number of different theoretical perspectives, including semiotics, Marxian theory, psychoanalytic theory, gender studies, and cultural anthropology, and will also read selected texts from specific areas of cultural analysis, such as television studies or film theory. The course examines specific aspects of past or present popular cultures. 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

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 299 Topics

No description available. 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 302 Fiction Workshop

An advanced course requiring the completion of at least two short stories or a substantial part of a novel. Prerequisites: ENG 300 or instructor's permission. May be repeated for three additional credits with instructor's permission. Every fall. Cr 3

ENG 303 Poetry Workshop

A course for advanced students who, after experimenting with different approaches and styles, are developing their own themes and voices as poets. Work toward a completed chapbook-length manuscript or portfolio of poems will be the basis for the course grade. Prerequisite: ENG 301 or instructor's permission. May be repeated for three additional credits with instructor's permission. Every spring. Cr 3

ENG 305 Rhetoric, Syntax, and 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 310 Topics in Journalism

Under this rubric the English Department will offer a variety of advanced courses which have journalistic writing as a major component of the course work. Topics include American Culture and World Communication, and The Right to Privacy. May be repeated for credit when topics vary. Students should consult the Department's Course Guide for detailed descriptions. Prerequisite: ENG 309. 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. Cr 3

ENG 319 Studies in Genre and 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 322 Modern Autobiography

The concept of the self has undergone critical changes in the history of autobiography. Many modern autobiographical writers have completely dispensed with traditional notions of the self, expanding the genre and giving it a strong literary focus. By comparing a selection of autobiographical texts by modern authors such as Rilke, Stein, Barthes, and H. D. with more traditional forms of autobiography, the course investigates the historical vicissitudes in the conceptualization of a "self." Variable cycle. Cr 3

ENG 328 Modern Novel: Themes and Methods

Works by six or more distinguished novelists expressing contemporary subject matter and technique. Among representative themes students will consider those of dream and illusion, revolution and personal revolt, alienation and anxiety, crime and self-assertion; among narrative techniques, ellipsis and adaptations of stream-of-consciousness. The list of novelists will vary, but recent assignments include Knut Hamsun, Franz Kafka, Thomas Mann, Herman Hesse, Andre Malraux, D. H. Lawrence, James Joyce, Christina Stead, Virginia Woolf, Rebecca West, and Djuna Barnes. Prerequisite: junior class standing or permission of the instructor. Variable cycle. Cr 3

ENG 338 Studies in Language

Under this title is offered a variety of topics on language which include the following: linguistic approaches to literary analysis; language and culture; grammatical structure in English and related languages; and the history of linguistic thought. May be repeated for credit when topics vary. Students should consult the Department's Course Guide for detailed descriptions. 2-year cycle, spring. 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 342 Topics in Contemporary Theory

This course studies in-depth selected theoretical approaches to literature and culture. It will focus either on a single current theory or, through a comparative method, two to three different theories (e.g., structuralism and formalism, Marxism and cultural criticism, or deconstruction and feminism). May be repeated for credit when topics vary. Students should consult the Department's Course Guide for detailed descriptions. Every semester. Cr 3

ENG 347 Topics in Cultural Studies
This course explores specific cultural practices of the past and present. The goal of the course is to introduce students to the different ways in which popular culture has been analyzed and the ways in which different popular cultures have sustained themselves. Although topics courses will vary in subject matter, they will all share the common objective of examining the ways in which a given culture makes sense of itself. May be repeated for credit when topics vary. Students should consult the Department’s Course Guide for detailed descriptions. Cr 3

ENG 348 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 353 Medieval Women Writers
The course focuses on women writing in various discursive milieus during the long period between the third and the sixteenth centuries. Writers include literate nuns, female courtly love lyricists, laywomen mystics, the first professional woman writer Christine de Pizan, and women dramatists. Non-English texts will be read in modern translation. Variable cycle. Cr 3

ENG 360, 361 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 365 Restoration and Eighteenth-Century Literature and Culture
Focusing mostly upon representative or canonical texts, this is a multi-generic course intended to provide an overview of British literature and culture in the “long” eighteenth century, 1660-1800. Readings will be organized around several of the following cultural and historical issues: political and religious controversies; the role of science and experimentation; the creation of the literary professional; women and the domestic sphere; the growth of the British Empire. Critical and theoretical texts may accompany literary readings. Cr 3

ENG 379 Earlier Women Writers
This course focuses upon the efforts of women writers in the early modern period to create, negotiate, and contest the terms of a developing literary culture. Depending on content, which varies, ENG 379 may also satisfy the Renaissance or nineteenth-century category requirement. In all cases, instructors will attend to the successes and limitations of gender as a category of analysis. Students should consult the Department’s Course Guide for detailed descriptions. Variable cycle. Cr 3

ENG 380 Early Nineteenth-Century American Literature and Culture
The literature and culture of the United States to the Civil War. While particular writers, works, and theoretical emphases may vary with the instructor, the course will consider historical context and may include canonical and non-canonical texts in a variety of literary and cultural forms: long and short fiction, poetry and song, non-fiction essays, slave narratives, political pamphlets and journalism, and paintings. Possible topics include the growth of female authorship; social reform movements; and the formation and interpretation of the American literary canon. Variable cycle. Cr 3

ENG 383 Harlem Renaissance
No description available. Cr 3

ENG 393 The American Novel Since 1900
This course will study various types of novels (such as the realist novel, the social protest novel, the modernist novel, the Gothic novel, and the autobiographical novel) with attention

to social and historical contexts and to thematic connections between texts. It is not purely a survey of “Great American Novels,” but may include both canonical and non-canonical writers. Critical and theoretical texts may accompany literary readings. Variable cycle. Cr 3

ENG 397 Studies in 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; 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

ENG 399 Topics
No description available. 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 16 Grammar
No description available. Cr 1.5

ESL 17 Listening and Oral Communication
No description available. Cr 1.5

ESL 18 Reading, Writing & Vocabulary
No description available. Cr 1.5

ESL 19 Reading and Speaking Fluency
No description available. Cr 1.5

ESL 98 Grammar & Writing Skills I
No description available. Cr 3

ESL 99 Reading, Writing & Vocab I
No description available. 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 125 Introduction to Environmental Ecology
This Science Exploration course is an introduction to the study of the interactions between organisms and their environments. Students will study the basic principles of ecology and systems and study specific ecosystems including forests, wildlife, freshwater, marine, urban, and humans. Prerequisites: successful completion of the University’s writing and mathematics proficiency requirements. Prerequisites: ESP 101/102 or BIO 105/106. Co-requisite: ESP 126. Cr 3

ESP 126 Introduction to Environmental Ecology Laboratory
This Science Exploration laboratory course surveys the identification, measurement, and function of various ecosystems. A focus will be on the impact of human activity on ecosystems. Prerequisites: successful completion of the University’s writing and mathematics proficiency requirements. Prerequisites: ESP 101/102 or BIO 105/106. Co-requisite: ESP 125. Cr 1

ESP 203 Environmental Communication
Students study environmental communication to understand the influence of socio-economic, political, and scientific factors on the social construction of environmental problems. Topics include basic communication theory and its application to the social definition of environmental problems and the perception and communication of risk, how communication is used to persuade/dissuade the public regarding environment problems, and how the environment is used to manipulate consumer behavior. Students also will explore the basics of social science research and its application to environmental communication. Prerequisites: College Writing, ESP 101/102, and sophomore standing. Cr 3

ESP 223 Nature-based Tourism
No description available. Cr 3

ESP 260 Soil & Water Conservation Engineering
A study of the utilization, improvement, and protection of two essential resources-soil and water. Primary focus is on applying scientific and engineering principles to the problem areas of soil erosion and flood control. Students will design practical solutions to remediate these problems. Prerequisite: math proficiency. Cr 3

ESP 275 Energy Use and 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 308 Global Environment Problems and Sustainability
This course is a thorough examination of global environmental problems and the need for the principles of sustainability to solve these problems. Topics will include frameworks, tools, and applications of sustainability including life cycle assessment, zero waste, industrial ecology, pollution prevention, natural step, and community-based social marketing. Prerequisites: ESP 101/ 102, ESP 203, or permission of instructor. Cr 3

ESP 360 Water Quality Assessment and Control
A study of water-related legislation, methods for determining compliance with statutes, and control methods used for water quality attainment. Regional topics addressed include: waste-water treatment, drinking water standards, storm water runoff, lake eutrophication, best management practices, and biomonitoring for water quality assessment. Three hours of lecture and three hours of lab per week. Prerequisites: BIO 105/106 and one semester chemistry lecture/lab or permission of instructor. Cr 4

ESP 475 Topics in Environmental Science/Senior Seminar
Topics in environmental science not regularly covered in other courses. The content will vary based on current local and regional environmental issues. The course also includes resume and cover letter writing and practice of interview skills. The course may, with permission of the Department, be taken more than once. Prerequisite: ESP 401 or permission of instructor. 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 110 Literature and Medicine
How can literature and medicine relate to each other? This course explores the similarities and differences among the sciences and humanities and uses literature as the basis for examining concerns of health, illness, and healing. Topics include the moral and ethical issues of the health care worker-patient relationship, historical approaches to healing, and their implications for modern medical practices, and the cultural, racial, and gendered aspects of these issues 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 125 Getting Down to Business
This three-credit 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. The one credit lab connects course content to EYE course goals and focuses on the relationship between business and the natural environment through class exercises, videos, field trips, papers and oral presentations. Co-requisite: 1 credit lab. Cr 3

EYE 128 Getting Down to Business Lab
This course must be taken concurrently with EYE 125. See EYE 125 for description. Cr 1

EYE 129 The Chicken Course
This course is organized around three significant ways we encounter Chicken in our society: as food, as the object of policy and politics, and as cultural symbol. In the first part of the course, we explore the production of chicken for meat and eggs. Second, we look at Chicken as the object of local and global political debates, as in how we regulate the keeping of backyard chickens and large-scale poultry and egg producers, and in global

responses to bird flu. Finally, we explore the human love affair with Chicken in story, fable and folklore and in the sport of cockfighting to examine what Chicken and our relationships to them have to say about us as humans Cr 3

EYE 180 Innovation Engineering

This course begins with the question: How can we teach creativity and innovation to generate ideas to solve real world problems? Students will learn the multiple tools brought together and taught by innovation researcher Doug Hall to generate meaningfully unique ideas in any field. They will examine case histories that demonstrate how social and cultural contexts and human institutions have been influenced by innovative individuals who have realized original ideas in practice. 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 323 Derivatives: Options, Futures, and Swaps

This course explores the markets and valuations techniques for futures, options, and swaps contracts. Hedging and speculating techniques using derivatives are stressed. Financial engineering techniques are developed using derivatives which can adjust the risk and return offered by traditional assets. Topics include: Forward contracts, stock futures, interest rate futures, stock index futures, stock options, interest rate options, and swaps. Prerequisites: FIN 320 (C or higher) and junior standing. Spring only. Cr 3

FIN 327 Investment Management

Introduction to the securities markets, investment media, and strategies for managing individual and institutional investment portfolios. Special attention is directed to the risk and rate-of-return aspects of corporate stocks and bonds, government bonds, options, futures, and mutual funds. Prerequisites: FIN 320 (C or higher) and junior standing. Spring only. Cr 3

FRE 102 Beginning French II

Continuation of FRE 101. Prerequisite: FRE 101 or equivalent. Cr 4

FRE 202 Intermediate French II

Continuation of FRE 201. Credits may count toward the French major. Prerequisite: FRE 201 or the equivalent or instructor's permission. Cr 4

FRE 302 Practical French II

Continuation of FRE 301. Prerequisites: FRE 301 or equivalent. Cr 3

FRE 367 Genres and Periods in French Literature

Each course in this group "Genres and Periods" deals with a specific literary genre (novel, poetry, theatre) and/or time period (Medieval, Renaissance, 17th, 18th, 19th, or 20th century). Sample topics: 19th century French novel, 17th century French theatre, 20th century French fiction. This course may be repeated for credit provided that the topic is different. Prerequisite: FRE 331 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 104 World Regional Geography

This course will familiarize students with the diversity of people and places in the world by examining the physical, political, and cultural geography of different regions of the world. Emphasis will be given to development of regions within a global framework. This course will add to the general education of students by developing their geographic skills and by enhancing their geographic awareness and knowledge of the world through various aspects of global diversity. 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 120 Geography of Maine

This course will examine Maine as a geographic region. Physical and cultural attributes of the state will be analyzed. Political, economic and demographic factors will be emphasized in viewing the assets and problems of the Maine environment and in planning Maine's future. Cr 3

GEO 285 Global Environmental Issues & Sustainability

An overview of global environmental problems and employing a sustainability framework to provide long-term solutions. Global climate change, landscape transformation, waste management and pollution are considered. Emphasis is placed on understanding the interplay of natural-social systems in shaping environmental issues. Students use an integrated sustainability approach to tackle environmental problems. 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 308 GIS Applications I

Students are introduced to vector-based geographical information systems (GIS). Topics include overviews of geospatial technologies, spatial analysis, GIS data, system operation, the interpretation of results, and professional practices. The course comprises a weekly lecture and laboratory. Students are evaluated with tests, laboratory assignments, and on the basis of a substantial project. Prerequisite: one of the following: ESP/GEO 108, GEO 208, GEO 305, GEY 202, GEY 204, GEO/GEY 340, or permission of instructor. Cr 4

GEO 340 Digital Mapping

Students are exposed to the latest digital survey gear and integrated techniques with applications in geosciences, geography, and environmental science. Instrumentation includes both static and real time kinematic GPS (global positioning system) and autolock servo-driven electronic total station. Detailed precision survey data are combined with geo-referenced maps and imagery in GIS software. Six hours lecture/lab. Prerequisites: introductory course in GEY, GEO, or ESP and additional 200-level course in any of the above areas. Cr 4

GER 102 Beginning German II

Continuation of GER 101. Prerequisite: GER 101 or equivalent. Cr 5

GER 202 Intermediate German II

Continuation of GER 201. Prerequisite: GER 201 or the equivalent. Cr 4

GER 322 Composition and Conversation in German II

Continuation of GER 321. Reading and discussion of historical, journalistic, and literary material covering life in Germany from World War I to the present. Prerequisite: GER 321 or equivalent. Cr 3

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 Laboratory 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 core science course credit, registration in one of the following: GEY 101 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 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, two labs each two hours in length. Prerequisite: completion of a 100-level geoscience lecture and lab; CHY 113 and CHY 114 are recommended. 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 4.5

GEY 340 Digital Mapping

Students are exposed to the latest digital survey gear and integrated techniques with applications in geosciences, geography, and environmental science. Instrumentation includes both static and real time kinematic GPS (global positioning system) and autolock servo-driven electronic total station. Detailed precision survey data are combined with geo-referenced maps and imagery in GIS software. Six hours lecture/lab. Prerequisites: introductory course in GEY, GEO, or ESP and additional 200-level course in any of the above areas. Cr 4.5

GYA 210 Perspectives on Environment, Society, and Culture Since 1750

Geography and Anthropology evolved together to understand and explain the complex relationships humans have with their environments. They have common conceptual foundations, common institutional frameworks, and parallel internal divisions. At the same time, they are marked by significant differences in their respective implementation of general concepts. By comparing and contrasting the histories of the two disciplines, we seek to come to a better understanding of what it means to be geographers and anthropologists. Prerequisite: One introductory course in Geography (GEO 101 or GEO 102) and one introductory course in Anthropology (ANT 101 or ANT 103) and sophomore standing. Cr 3

HON 101 Honors Entry-Year Experience

Each instructor uses a theme listed below to engage students in exploration of significant questions about human culture and the natural world. The course facilitates student transition to college by engaging students in active and collaborative learning that enhances their inclination and ability to view complex issues from multiple perspectives. Prerequisite: honors student status (or permission). Cr. 3

HON 102 Confrontation & Cross-fertilization Among Medieval Cultures

No Description Available. Cr 3

HON 103 Religious & Scientific Perspectives on Human Origins & the Human Body

In this course, students will examine a range of culturally based accounts of human origins (creation stories), considering evidence for these accounts from the perspective of both cultural and scientific studies. Seminars prepare students to assess the influence of social and historical context as these mediate our understanding of the human body and its origins. An integrated strand of weekly applied/laboratory sessions will accompany these seminars, providing students the opportunity to apply various methods of scientific and social scientific inquiry. The course also makes explicit contemporary and historical controversies about the origin of the human body and asks students to examine critically the consequences of these capacious civic debates. Cr 3

HON 105 Interdisciplinary Introduction to Logic & Mathematics

This course is about power of abstract, visual, primarily symbolic, representations of phenomena. These representations include quantities representing counts or measurements, predicate calculus representations of natural language assertions, graphical(in both the vertex and edge sense and the Cartesian coordinate sense) of structures and relationships, and other visual presentations of information. Cr 3

HON 175 Oral Interpretation

No description available. Cr 3

HON 202 Progress, Process or Permanence: All That is Solid Melts into Air

'All that is solid melts into air' (Karl Marx) is an apt metaphor for this course, which examines concepts of certainty and uncertainty from various 19th- and 20th-century perspectives. Who has the answers? Are there any answers? Can there be such a thing as 'progress,' and does our 'modern' perspective (whatever that is) give us a unique point of view for addressing these issues? Cr 4

HON 310 Honors Global Ethical Inquiry [Also meets Core International requirement]

Each instructor selects a semester-long theme to engage students in critical reflection on their responsibilities for informed decision making and action in their public and private roles. Prerequisite: honors student status (or permission). Cr. 3

HON 351 Virtual Sunset vs Real Sunset

No description available. Cr 3

HON 355 Casco Bay Area Topics

Course topics, which vary by instructor, address culture, history, or the natural environment in the context of the Casco Bay area, Maine, or New England. For topic descriptions, contact the Honors Program (www.usm.maine/honors). Open to all students, although Honors Program permission required if a student earned a C+ or lower in a prior HON course. Course may be repeated for credit when topics differ. Prerequisite: honors student status (or permission) and 39 credits. Cr 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 Human Growth & 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

HRD 312 The Spiritual Challenges and Opportunities of Aging

This course explores the dynamic role spirituality plays in navigating the aging process. Within a holistic context spirituality provides a frame of reference for understanding both who we are and how we fit into the world around us. Learners will develop a basic frame of reference for the nature of spiritual experience, including theory of adult spiritual development. But given the subjective nature of spirituality, it will be important for learners to develop tools for assessing the role spirituality plays in providing meaning for people as they age as individuals. Learners will begin this process by examining their own spiritual journey from psychosocial, cultural and religious perspectives. They will then use a parallel process to interview an older individual and assess the role spirituality plays in their aging process. Prerequisite: HRD 312 students will be expected to have taken one college-level writing course and one sociology or psychology course. 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 142 African American History from 1865

A continuation of HTY 141. This course will cover such topics as Black leadership, lynching, the Harlem Renaissance, African Americans abroad, civil rights, and popular culture. The course will use various forms of media in instruction and research. Cr 3

HTY 152 The Islamic Near East

This is a basic, introductory survey of the history of the eastern Mediterranean/Near Eastern region ca. 600 C.E. to the present. The course emphasizes the origin and development of Islamic religion and the establishment, spread, and evolution of Islamic institutions in Arabia, Egypt, Mesopotamia (Iraq), Palestine-Syria, and Anatolia (Turkey). Attention is given to the historical and continuing interaction between the Islamic people of the Near East and non-Islamic people both within and without the region. 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. 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 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 360 History of Maine

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

HTY 373 American Social and Intellectual History II

A continuation of HTY 372 from 1865 to the present. Prerequisite: HTY 121 or 122 or permission. Cr 3

HTY 379 Diplomatic History of the United States II

Analysis and discussion of United States foreign policy since 1914. Considers the origins and effects of policy and also differing interpretations of issues such as the nature of "isolationism" and "interventionism," the origins of the world wars and the Cold War, the meaning of "Vietnam," and the relative influence of economics and ideology in shaping policy and action. Prerequisite: HTY 123 or permission. 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 230 Digital Photography

Working with digital cameras, students will learn to see photographically in color. They will gain a better understanding of color relationships using color as design elements and the overall artistic and aesthetic uses of color photography. Students will learn controls of their camera's software. Adobe Photoshop software will be the primary tool used for image control and manipulation. Cr 3

HUM 299 Topics

No description available. Cr 3

HUM 300 Introduction to Literary & Cultural Theory

This course examines literature and literary theory to understand how language shapes us and how we, in turn, shape language. How are meanings made? How are they received by readers? How do ideas about language change over time and across cultural divides? Why do we value some writings over others? Why is political and other discourse so easily manipulated? We will examine these and other questions as we read from major writers of the 19th and 20th centuries, alongside various approaches to literary and cultural and study. Prerequisite: ENG 100. Cr 3

HUM 307 Writing Creative Nonfiction

This course explores the literary terrain between imaginative literature and journalism. Students study the fictional techniques employed by journalists and examine the questions their work poses about the uneasy boundaries between fact and fiction. Students will produce their own extended non-fiction essay. This course has been approved by the State Department of Education for content area in secondary English. Cr 3

HUM 349 Trauma: Social, Psychological and Cultural Dimensions

This course examines the social, political, and cultural history of the concept of trauma, focusing on the definition of traumatic and stressful events, common responses to those events, and models for conceptualizing responses to traumatic experiences. Topics include the diagnostic criteria of Post-Traumatic Stress Disorder, recommended treatment approaches, risk and protective factors associated with specific types of traumatic events, and the influences of differing cultural contexts. Areas of controversy within the field of trauma studies 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

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. Cr 1.5

HUM 399 Topics

This course will focus on concepts of ethnicity, immigration, and identity. We will explore how ethnic identity is defined and why people emigrate. We will address the notions of stereotyping, discrimination, assimilation, accommodation, ethnic cleansing, and genocide. We will investigate, from the perspective of cultural and physical anthropology, aspects of what constitutes: race and ethnicity, ethnogenesis, migration, acquisition, retention, as well as negotiated and nested qualities of identity. Finally, we will probe the political, economic, and social concomitants of immigration and how these affect pluralism, inter-group relations and trans-generational transformations in immigrant populations. Cr 3

ITA 102 Beginning Italian II

Continuation of ITA 101. Cr 4

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 280 Industrial Organization, Management & Supervision

An introduction to industrial organization and management. A study of the common elements of industry as it relates to the areas of research and development; industrial relations; production; financial control; marketing; and labor. Management and supervisory theory and practices will be highlighted. Emphasis will also be placed upon contemporary issues/problems/trends associated with a global economy. 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 300 Ergonomics/Time Study

A study of the bio-mechanics of the human body and how it interacts with a workplace while performing human activity. Surface electromyography measurements techniques are employed along with lifting analysis software, to measure stress on the body, with the effort to eliminate cumulative trauma disorders. Time study measurement techniques are employed in the development of time standard so one will be able to predict

productivity. Prerequisite: basic math concepts or instructor permission. 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 103 Materials Properties and Testing

A study of the basic properties of industrial materials, their structures, and testing procedures used to determine those properties. Studies include physical, mechanical, optical, chemical, thermal, and electrical properties. Testing, associated literature research, reporting procedures, calculation, and measurement are also included. Offered on a two-year spring rotation. 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 231 Technical Graphics

A basic course in technical graphics focusing on technical sketching and mechanical drawing. Content includes basic skill development using contemporary industrial standards, technical sketching, orthographic projection, detail and assembly working drawings, and pictorial projections. This course is normally taken before ITT 282 Computer Aided Design. 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 323 Fluid Power

A study of fluids at work. Investigation of the theory and application of hydraulics and pneumatics in technology and industry. Design, purpose, construction, and maintenance of fluid power devices and systems included. Cr 3

ITT 343 Desktop Publishing & Design

An introduction to the principles of copy preparation and development for image display and reproduction using multiple media. Emphasis is on computer-based desktop publishing hardware and software. Activities include scanning, digital photography, illustration, and preparation of production specifications. Prerequisite: ITT 241 or instructor permission. Cr 3

ITT 376 Network Security and Ethics

This course examines the issues of network security from both the liabilities and the guarantees that face network administrators and network security officers. Interrelated with the issues of network security are the ethical responsibilities of those who manage computer networks. Topics addressed in this course will include practical approaches to securing networks using risk analysis, cost effective countermeasures, layered defenses, and policy development and implementation procedures. This course addresses current topics in "cyber security" and information security "infosec" issues as they pertain to a broad array of networked devices. Prerequisites: ITT272 or instructor permission. Offered on a two-year spring rotation. 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 150 Microcomputers & Applications

An introductory lecture and laboratory course designed to introduce students to basic microcomputer concepts and their application to education, business, and home management. This course will cover: Windows, e-mail, Internet, and Microsoft Office: Word, Excel, PowerPoint, and Access. Cr 3

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

LAC 200 Community Learning Groups: Planning for Academic Success

This specially designed course for TRiO Student Support Services participants serves as the first module in a series which will enhance the learning experience at USM and prepare the student to focus on personal and academic goals. Topics will vary, but will include self-assessments for career and learning, study strategies, making the most of academic advising, taking full advantage of university offerings, financial literacy, leadership and diversity development, and planning for careers or graduate school. The instructor's role will be to serve as advisor and guide, and in addition, there will be guest speaker experts in some classes. Students will normally take this course in their first semester of SSS participation as it is an important anchor to the program. Cr 1

LAE 200 Education in the U.S. with Field Experience

This introductory course combines the study of education in the United States with an 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. This is an excellent course for those who wish to explore an interest in teaching. Cr 4

LAT 102 Beginning Latin II

Prerequisite: LAT 101 or equivalent. Cr 4

LAT 252 Intro to Latin Literature II

Continuation of LAT 251. 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 111 College Writing: Language and Literacies: Enrichment

This course represents an alternative for any student who would otherwise choose LCC 110; it is required for those students identified as needing extra support to improve their writing skills. The additional one extra hour per week included in this course (in addition to the same two-and-one-half hours/week in LCC 110) is designed to expand and refine basic writing skills integral to the course objectives of LCC 110 College Writing. The course provides additional instruction and extended opportunities for applying pre-writing, drafting/developing, revising, and editing strategies related to the same essays assigned in LCC 110. Course focus includes attention to basic elements of effective writing, such as unity, coherence, and emphasis. Class time will also be devoted to addressing topics that represent the most common error patterns in college-level academic writing, such as weak thesis sentences, inconsistent point of view, and sentence-level grammar and punctuation error patterns. Cr 4

LCC/SCI 130 The Biology of Human Health With Lab

This course introduces basic concepts of biology and explores how these concepts relate to human health. It also explores natural scientific methods of inquiry and applies these methods to complex issues involving the creation and maintenance of human health. Further, the course explores the importance of societal factors in health maintenance. Cr 4

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 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 320 Sustaining Democracy

This course will focus primarily on the United States from 1877 to the present, exploring the various ways that U.S. democracy has become more inclusive since the late nineteenth century and the ways in which it has failed to live up to its ideals. The course also explores past and current obstacles to the creation and maintenance of a healthier democracy. Cr 3

LCC 345 College and Community II

This middle phase course serves as the point of entry for students transferring into USM LAC with greater than 24 credit hours and is not required of students who have taken LCC 123. This course introduces students to the promise and possibilities of USM LAC's interdisciplinary, writing-intensive, and student-centered culture. The course orients students to the four themes of the Lewiston Common Core (justice, sustainability,

democracy and difference). In addition, the course captures LAC's commitment to the study and enhancement of the Lewiston-Auburn community. Cr 3

LCC 350 Global Past & 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, we 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 lives and how we as responsible individuals and a responsible species should conduct ourselves in this world. Cr 3

LCC 370 Toward a Global Ethics

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 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 203 Introduction to the Deaf World

A Deaf instructor presents the culture and history of Deaf communities from a national and international perspective. Deaf communities are examined as cultural and linguistic minorities, with all the tensions and conflicts that arise within such minority groups and with the stresses that arise when outsiders interact with such minority groups. Some exposure to ASL is recommended, but not required. 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. Prerequisites: LIN 331 and instructor permission. Cr 1

LIN 312 Phonology and Morphology

An introduction to the derivation of words in natural language. The course covers the sound system, the processes by which words are dynamically derived from other words, and the processes by which words are inflected to mark the roles they assume in sentences. Particular attention is also given to the great variety of word-building systems that occur in the world's languages and to the means by which children acquire the phonological and morphological processes of their native language. 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 315 Field Methods

Students learn to use a variety of elicitation and field methods techniques to explore the linguistic structure of a language that is foreign to them. They work with a native signer or speaker and apply their knowledge of linguistics to a specific aspect of the grammar of the language. Prerequisite: LIN 312 or 313. Cr 3

LIN 331 ASL/English Interpreting

This course offers the beginning interpreting student an introduction to the field of interpreting, its code of ethics, and several models and approaches to the interpreting process. Students will become familiar with the complex processing required to provide a nuanced interpretation through learning a form of text analysis called discourse mapping. Prerequisites: grade of at least B in ASL 202 or equivalent; or grade of at least B in ASL 201 or equivalent and ASL 202 concurrently. Cr 4

LOS 300 Organizational Theory

A foundational course for students of leadership, this course provides a solid overview of organizational dynamics. Current organizational issues are analyzed using structural, human resource, cultural, and political frameworks and the case method. Issues examined include leadership, organizational design, planning, change, decision making, communication, and control. An excellent course for students interested in how organizations work. Students in the LOS major must complete this required course with a grade of a B- or better as a condition of their degree. This course includes writing instruction. Prerequisite: familiarity with the Blackboard online learning community. Completion of College Writing with a C+ or better is required for LOS majors and preferred for all other students. 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

SBS/LOS 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

LOS/SBS 304 Organizational Budgeting

This course assesses the theory and practices of financial management in different forms of public and private organizations and emphasizes the relationship between financial decision making and organizational policy and strategy. Topics covered will include fundamental accounting principles, financial forecasting, the use of spreadsheets, and budgeting. Prerequisites: LOS 250 and LAC 112 or equivalents. Cr 3

LOS 309 Lean Systems/Methods Practicum

This supervised practicum provides an opportunity for students to apply lean principles and methods. Working in teams, students will demonstrate the ability to transfer learning from the Lean Methods and Systems course to the field as they implement projects designed to enhance value to the organization. Specific learning objectives will be set by the student teams and address competency in a needs assessment, the Implementation process, outcome evaluation including project results, and individual learning.. Prerequisite: LOS 308 Lean Methods and Systems. Cr 3

LOS 310 Science, Technology, and Society (SCA)

This course examines the history of science and technology, and the social changes related to them. It examines the impact of science and technology on ethical and religious beliefs, social institutions such as education, family, and work, and on larger

sociopolitical entities and relations. The course also explores the effects of science and technology on natural and human-made environments. Offered fall, spring, summer. 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 320 Networking Support and Troubleshooting

This advanced course addresses the installation, maintenance, and repair of personal computer networks. It provides students with an advanced understanding of network systems including software configuration, troubleshooting, security, tools, design strategies, and employee training. Offered at CMCC. Cr 3

LOS 325 State & Local Government

This course is an introduction to the structure, roles, and processes of administration in state and local government. The state of Maine is a special focus of the course. Cr 3

LOS 327 Leading through Conflict

Conflict management is explored as an essential leadership tool and analyzed as a necessary component of healthy systems and innovations. We will investigate techniques that help individuals and groups mediate and negotiate differences encountered in a variety of situations. Cr 3

LOS 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 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 361 Entrepreneurship

This course focuses on why people become entrepreneurs, the characteristics of successful entrepreneurs, the changing demographics of entrepreneurs, and the importance of entrepreneurship to the economy and society. In this class, students will examine the entrepreneurial process from the decision to become an entrepreneur through idea generating, writing a business plan, competitor analysis, getting financing, marketing, team building, considering ethical and legal issues, and developing strategies for growth. 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 101. 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 131 Number Systems for Elementary Teachers

This is the first course in a three-course sequence in mathematics recommended by the Committee on the Undergraduate Mathematics Program of the Mathematical Association of America for prospective primary and elementary teachers. Major emphasis is placed on an intuitive approach to the real number system and its subsystems. Prerequisite: successful completion of the University's college readiness requirement in mathematics. Cr 3

MAT 140 Pre-Calculus Mathematics

A brief review of elementary algebra followed by a study of the algebraic, exponential, logarithmic, and trigonometric functions. Prerequisites: 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 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 231 Algebra for Elementary Teachers

The second course in a three-course sequence in mathematics recommended by the Committee on the Undergraduate Mathematics Program of the Mathematical Association of America for prospective primary and elementary teachers. Emphasis is upon the properties of operations in several different algebraic systems. Equations are studied in finite systems as well as in conventional algebra. Prerequisite: MAT 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 282 Statistical Inference

This course will examine various statistical methods and applications such as point and interval estimation; methods of estimation including methods of moments, maximum likelihood and least squares method; hypothesis testing: simple and multiple linear regression; and one-factor and two-factor ANOVA. Some statistical packages such as SAS or MINITAB will be used extensively throughout the course. Prerequisite: MAT 281 or permission of instructor. Cr 3

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 350 Differential Equations

A study of various methods for solving ordinary differential equations, including

series methods and Laplace transforms. The course also introduces systems of linear differential equations, Fourier series, and boundary value problems. Prerequisite: MAT 252. 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 364 Numerical Analysis

A study of the theory and application of computational algorithms for interpolation, equation solving, matrix methods, integration; error analysis. Prerequisites: MAT 252, MAT 295, and COS 160; or permission of instructor. Cr 3

MAT 371 College Geometry

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

MAT 380 Probability & Statistics

This course explores concepts and techniques of collecting and analyzing statistical data, examines some discrete and continuous probability models, and introduces statistical inference, specifically, hypothesis testing and confidence interval construction. Not for mathematics major credit. Prerequisite: MAT 153. 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, non-sampling error. Prerequisite: MAT 282 or MAT 380. Cr 3

MAT 387 Introduction to Applied / Biostatistical Methods

This is an introductory statistical methodology course with emphases on applications in biological and health sciences. Topics include distributional theory, estimation and testing hypotheses, rank-based and related distribution free tests, large sample chi-squared tests, analysis of rates and proportions, paired sample methods, permutation and re-sampling methods. Writing formal statistical reports of projects based on real life data is a key component of the course. Prerequisite: permission of instructor. 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 251 Strength of Materials

No description available. Cr 3

MEE 270 Applied Mechanics: Dynamics

Motion of particles and rigid bodies, impulse and momentum, work and energy and simple harmonic motion, force, mass, and acceleration. Prerequisites: MEE 150, MAT 252. Lecture 3 hrs. Cr 3

MEE 373 Design of Machines and Mechanisms

Mobility and degrees of freedom in mechanisms, review of kinematics, instant centers, cam and follower design, gears, gear trains, interference and undercutting, synthesis of linkages, static and dynamic force analysis, measuring mass moment of inertia, free and forced vibrations, dynamics of reciprocating engines, static and dynamic balancing, Euler's equations of motions, rolling-contact bearings, journal bearings, flywheels, gyroscopes, governors, clutches and brakes. Design is performed by available formulas and standards as well as computer aided design by simulation software. Includes a student design project. Prerequisite: MEE 270, MEE 372. Lecture 3 hrs., Lab. 1 hr. (Spring, 2-yr rotation.) Cr 3

MEE 375 Engineering Acoustics

Vibrating systems, acoustic wave equation, waves in solids and fluid media, reflection and transmission at interfaces, absorptions and dispersion, Green's function, waveguides, resonators and filters, noise, ultrasonics, nondestructive evaluation, acoustical imaging, selected topics in ocean acoustics, noise control, environmental and architectural acoustics. Mechanical engineering elective. Prerequisites: ELE 217, MAT 350. Lecture 3 hrs., Lab. 1 hr. (Spring, 2-yr rotation.) Cr 3

MUE 112 Percussion Techniques

Students will learn techniques and methods to provide instruction on percussion instruments to students in grades 4-12. Corequisite MUE 110 ProSeminar. Cr 1

MUE 150 Professional Seminar II

Provides a professional community for emerging music educators. Students will explore the uses of technology in education through fieldwork and other experiences. Students will continue the development of their teaching portfolios. Prerequisite: MUE 110 ProSeminar I; MUE 111 Professional Foundation for Music Education. Cr 1

MUE 250 ProSeminar IV

Provides a professional community for emerging music educators. Fieldwork will focus on the application of classroom and rehearsal strategies for developing young vocal musicians. Prerequisite: MUE 210 ProSeminars III. Co-requisite: MUE 251 Teaching Vocal Music PK-12. Cr 1

MUE 251 Teaching Vocal Music PK-12

Students will develop personal singing skills as they learn to engage PK-12 singers in the study of vocal music. Students will study vocal pedagogy and group vocal technique. Students will create PK-12 curriculum and assessment materials and learn how to organize and administer a school based vocal music program. Prerequisite: MUE 210 ProSeminar III. Corequisite: MUE 250 ProSeminar IV. Cr 3

MUE 252 Choral Conducting

Introduction to conducting gestures and development of non-verbal gestures through choral conducting, including score analysis and rehearsal techniques. Prerequisite MUT 200 (Music Theory and Aural Skills III) Cr 2

MUE 253 Brass Techniques

Students will learn brass instrumental techniques and methods to provide instruction on brass instruments to students in grades 4-12. The demonstration of proper performance techniques on trumpet, horn, trombone, and tuba will be required. Prerequisites: MUE 210 ProSeminar III. Cr 1

MUE 350 ProSeminar VI

Provides a professional community for emerging music educators. Fieldwork will include both the observation and leadership of improvisation activities in a variety of educational settings. Prerequisite: MUE 310 ProSeminar V. Co-requisite: MUE Teaching Improvisation in Music PK-12. Cr 1

MUE 351 Teaching Improvisation in Music PK-12

Students will investigate improvisation in various styles of music and learn how its application can foster creativity in students of all grade levels. Pedagogical methods, materials and standards incorporating jazz and various styles will be reviewed and applied to the music classroom. Prerequisite: MUE 310 ProSeminar V. Co-requisite: MUE 350 and a jazz ensemble (MUS 406 or 407 - by audition). Cr 2

MUE 352 String Techniques

Students will learn string techniques and methods to provide instruction on bowed instruments to school aged students. The demonstration of proper performance techniques on violin, viola, cello, and bass will be required. Prerequisite: MUE 310 ProSeminar VI. Cr 1

MUH 105 Multi-Cultural Perspectives of American Popular Music & Jazz

An overview of selected styles and traditions of jazz and American popular music, as well as World musics that have influenced those styles. Developing critical thinking and writing skills, the course stresses close analysis and interpretation of selected works. Cr 3

MUH 223 Music History Survey 2

An historical study of the language and style of Western art music from 1800 to the present day. Significant composers, major genres, and representative musical compositions are studied. Music majors or permission of instructor. 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 102 Music of the Portland Symphony

A course designed to increase the student's understanding and appreciation of the music scheduled for the Portland Symphony Orchestra's regular concerts of the semester. Attendance is required at the concerts in addition to regularly scheduled classes. Historical background, biography of composer, musical analysis, rehearsal and performance techniques, and music criticism. 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 109 Dynamic Posture & Alignment

Provides students with a practical understanding of anatomy, kinesiology, and biomechanics in order to improve ease and freedom of motion while in a stationary position. This course is designed for musicians, as well as other performers and creative artists, athletes, and computer users. Cr 2

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 151 Piano Class 2

This is a continuation of MUS 150. Prerequisite: MUS 150 or permission of School director. Cr 1

MUS 206 Jazz History

This course provides an in-depth examination of the historical evolution of jazz, as well as a familiarity with the major and secondary figures in the idiom. Emphasis is placed on detailed listening assignments and class discussions. Prerequisite: MUS 103G, music major status, or permission of instructor. Cr 3

MUS 244 Basic Conducting

Practical conducting experiences; score reading, basic beat patterns, gestures, and interpretation. Prerequisite: MUS 230. Cr 2

MUS 251 Piano Class 4

This is a continuation of MUS 250. Prerequisite: MUS 250 or permission of School director. Cr 1

MUS 253 Jazz Piano Class 2

This is a continuation of MUS 252. Prerequisite: MUS 252 or permission of School director. Cr 1

MUS 320 Seminar in Music History

A concentrated study of selected topics in music history based on individual research. Prerequisite: MUS 120, 121, 220, 225. For music majors or minors. Others only with permission of instructor. Cr 3

MUS 330 Form and Analysis

Study and analysis of music of the classical, romantic, and contemporary periods with emphasis on homophonic forms and styles. Prerequisite: MUT 200. 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

MUT 100 Music Theory & Aural Skills 1

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

MUT 101 Music Theory & Aural Skills 2

This course covers the concepts of diatonic harmony, cadences, phrase level form and a brief introduction to chromaticism. This material will be explored through the

analysis, transcription, composition and sight singing of topical examples of music. Cr 4

MUT 201 Music Theory & Aural Skills 4

A grounding in the materials of 20th and 21st century music from analytical, compositional, and listening perspectives. Students will undertake analyses and model composition exercises involving: modes; synthetic scales; extended tertian harmony; poly harmony; rhythm and meter; atonality; 12 tone serialism; chance music; and minimalism. As students learn the abstract theoretical concepts, they will be guided to connect them to real music through copious listening, singing, and transcription exercises. Special attention will be paid to the historical contexts of the various techniques and styles covered during the semester, and students will also attend and critique in writing two performances of contemporary art 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 300/509 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. NUR509 is offered in the summer and is open only to option students. Cr 3

NUR 301/508 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 209. NUR 508 is offered in the summer and is open only to option students. Cr 2

NUR 306/512 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). NUR 512 is offered in the summer semester and is open only to option students. Cr 3

NUR 307/514 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. NUR307/514,when offered in the summer semester, open only to accelerated/option students. Cr 2

NUR 308 Prof Com & Technol Utiliz in Nur

Department Consent Required. Cr 3

NUR 309 Health Assessment & Wellness Promotion for RNs

This course provides the RN student with knowledge and skills essential to conduct in-depth bio-psycho-social-cultural health assessments of well individuals. The course includes examination of the concepts of wellness and health promotion across the life span. Prerequisite: RN licensure. Cr 2

NUR 310 Health Assessment Lab for RNs

This course provides the opportunities for the RN to apply knowledge and skills necessary to conduct total health assessments. Concurrent with NUR 309. Prerequisite: RN licensure. Cr 2

NUR 318 Evidence-based Practice in Nursing

This online course introduces the student to evidence-based practice in nursing. Using models of critical appraisal, students learn competencies in the synthesis, integration, and evaluation of current best evidence for decision-making in advancing evidence-based nursing practice. This course is open to transfer students, accelerated students and option students who have taken a research course in quantitative methodology. The student must submit the prior course syllabus for evaluation. Cr 1

NUR 319 Qualitative Inquiry in Nursing

This online course introduces the student to qualitative health-related research methodology. Students learn the qualitative research process, different approaches to research design and the distinctive features of each qualitative design. Using models of critical appraisal of qualitative health-related research findings, students learn competencies in the synthesis, integration, and evaluation of qualitative inquiry for decision-making in advancing evidence-based nursing practice. This course is open to transfer students, accelerated students and option students who have taken a research course in quantitative methodology. The student must submit the prior course syllabus for evaluation. Cr 1

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 326 Dominican Republic Community Nursing Partnership I

No description available. Cr 1

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 2-3

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

PHE 309 Coaching and Officiating Track and Field

Part of the University of Southern Maine's coaching certification program, this course is designed to prepare students for track and field, and cross country coaching at the high school and/or middle school levels. Particular aspects of the sport will not be discussed in detail. Rather, the course is intended as an overview of coaching philosophies, sports science, and the training required for each event. Students will have an opportunity to explore in depth areas of interest. Cr 3

PHE 314 Organization & Administration of Athletics

This course covers the principles and practices of athletic administration as related to middle schools, junior and senior high schools. Cr 3

PHE 335 Coaching & Officiating Baseball & Softball

The course will cover individual and team techniques, drills to implement these techniques, practice organization and methods of starting, maintaining and improving programs at various levels. The course will also cover rules of baseball and softball plus techniques of umpiring. 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. This course satisfies the Cultural Interpretation requirement of the new

Core curriculum. Prerequisite: a college writing course. Cr 3

PHI 105 Introduction to Philosophy: Philosophy Through Its History

An introduction to philosophy through its history and development, i.e., through an examination of central texts in the history of philosophy, up to and including contemporary works. Specific readings may vary from semester to semester, but will always include some canonical works by classic Western philosophers (e.g., Plato, Aristotle, Descartes, and Kant). Prerequisite: College Writing or concurrent. 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. This course satisfies the Cultural Interpretation requirement of the new Core curriculum. Prerequisite: a college writing course. Cr 3

PHI 109 Introduction to Philosophy: Law, Politics and Society

This course examines the traditional political questions that face every society: Who should rule? What should the rules be? Why should the rules be obeyed? The approach is largely historical, emphasizing the answers that major philosophical figures have offered to these questions. The relevance of these historical answers to current social issues is addressed using a number of contemporary topical readings. Prerequisite: College Writing or concurrent. 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 influence its evaluation? How do a person's class, ethnicity, and gender influence the artwork 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 drawn from a wide variety of cultural contexts. Prerequisite: PHI 100-level or EYE course. Cr 3

PHI 241 Philosophy & Politics of Work

No description available. Cr 3

PHI 290 Problems in Philosophy

Consideration of selected problems or systems of philosophical significance, including general problems of metaphysics, epistemology, axiology, specialized areas, etc. May be repeated for credit. Prerequisite: any PHI 100-level course. Cr 3

PHI 310 History of Ancient Philosophy

Philosophic thought from the pre-Socratics to the late Hellenistic period, with major emphasis on Plato and Aristotle. This course satisfies the Cultural Interpretation requirement of the new Core Curriculum. Prerequisite: PHI 100-level course. Cr 3

PHI 320 History of Medieval Philosophy

The merger of the philosophic with the religious stream; ideas of Augustine, Thomas Aquinas, Bonaventure, and others critically examined; determining cultural factors explored. This course satisfies the Cultural Interpretation requirement of the new Core curriculum. Prerequisite: PHI 100-level or EYE course. Cr 3

PHI 399 Topics in Philosophy

Prerequisite: Any 100-level PHI 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 112 Elements of Physics II

A continuation of PHY 111, intended particularly for life-science majors. Topics to be covered include electricity, magnetism, optics, and modern 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 116 Introductory Physics Laboratory II. Prerequisite: PHY 111 or equivalent. Three hours of lecture and one hour of recitation per week. Cr 4

PHY 116 Introductory Physics Lab II

Experiments designed to illustrate the concepts studied in PHY 112 and PHY 123. Prerequisite: concurrent registration in PHY 112 or PHY 123. Two hours per week. Cr 1

PHY 123 General Physics II

A continuation of PHY 121, introducing the fundamental concepts of physics, using calculus. Topics to be covered include electricity, magnetism, and light. This course is recommended for students who plan further study in physical sciences, mathematics, or engineering. It should be taken concurrently with PHY 116, Introductory Physics Laboratory II. Prerequisites: PHY 121 or equivalent and one semester of calculus. Three hours of lecture and one and one-half hours of recitation per week. Cr 4

PHY 213 Nonclassical Physics II

A continuation of PHY 211, covering the principal topics which show the departure of physics from its classical roots. Topics will include quantum physics, nuclear physics, and particle physics. Prerequisite: PHY 211. Cr 3

PHY 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 Schrodinger 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 102 People and Politics

This course introduces the student to modern political analysis. It centers on basic questions in the study of political behavior: how people learn about politics, what kind of political system they adopt and support, who does and who does not participate in politics, how political conflict is expressed and resolved in various societies. The course aims at familiarizing the student with major approaches or methods that political scientists have found helpful for understanding real political behavior. Note: POS 101 is not a prerequisite for POS 102. 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 245 French Politics and Government

This course centers on the political, economic, and social structure of France over the last five decades. Students will learn the essential components of the French governmental system, the most typical economic policies, France's position in the EU, and the ongoing struggle about the defense of the French culture. Prerequisite: ENG 100, 104, or equivalent. 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 310 Internet and Politics

This course explores the politics of Internet communication. Topics include Internet development, communication techniques, access policy, citizenship, advocacy, government, journalism, and law. Cr 3

POS 349 The Middle East in International Politics

The crucial issues of international politics-war, revolution, superpower intervention, economic development and terrorism-converge in the Middle East on a regional basis. This course will examine the nature of Mideast regional politics and the foreign policies of the major constituents of the area. The purpose will be to secure an understanding of the conflict between Arab and Israeli worlds, the foundations of tension among the Arab states themselves, and the role played by the superpowers in stabilizing or disrupting the uneasy relationships of the region. Prerequisite: POS 104 or permission of the instructor. Cr 3

POS 380 Topics

Specially developed occasional courses exploring a variety of theoretical and substantive areas of political science. May be repeated for credit as topics vary. Cr 1-3

POS 390 Ancient and Medieval Political Theory

An intensive study of ancient and medieval political theory. Emphasis is on textual criticism of a variety of different works including those from philosophy, literature, and theology. Prerequisite: POS 290, or sophomore status, or permission of the instructor. Cr 3

POS 399 Topics in Political Science

This course examines the emerging international legal norm, Responsibility to Protect (R2P). Designed to prevent and address genocide, crimes against humanity, war crimes and ethnic cleansing, the emergence and evolution of R2P, it's practical application to preventing mass atrocities and challenges it faces in the future will be examined. 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 325 Psychology of Adulthood & 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: Successful completion of PSY 101, and either PSY 220 or HRD 200 with grades of C- or better. Cr 3

PSY 326 Psychology of Social & Linguistic Development
This seminar explores research addressing infant and child social and linguistic development. The main focus is on brain development, temperament, attachment, linguistic growth, and early social cognition as the basis for children's emergent social and communicative competence. Students are expected to contribute to discussion and debates each week. Prerequisites: Successful completion of PSY 101, and either PSY 220 or HRD 200 with grades of C- or better. 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 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 psycho-physiological 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 and 102 with grades of C- or better. 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 121 Introduction to Therapeutic Recreation Services
An overview of therapeutic recreation including historical and philosophical foundations, service models, professional functions and service settings. The psychology of disability will be included as will an introduction to disabling conditions. Prerequisite: therapeutic recreation major or instructor permission. 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 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 367 Adventure Based Counseling
The course focuses on how to facilitate and then process outdoor/adventure/recreation activities as a means to improve self-concepts, develop group cohesion and uncover feelings, among others. Course objectives will be met through experiential as well as theoretical methods, thus allowing the student to acquire the skills necessary to lead groups through similar activities. Class format will be lectures, discussions, group activities, and presentations by class members. The course will address how to plan, implement, lead, debrief, and evaluate adventure experiences. Cr 3

REL 399 Religion and the Creation of the Human
No description available. 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

RMI 320 Risk Management and 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 330 Health, Life and Disability Insurance
This course covers health, life, and disability insurances from the perspective of insurance providers, employers, and consumers. Individual and group health insurance product management and the relationship between product characteristics and insurance company investments, financing, and marketing decisions are discussed. Managed care techniques, benefit package design, and cost sharing mechanisms are assessed in the context of resolving incentive conflicts and meeting cost-containment objectives. The basic principles underlying life insurance are covered as well as the various types and policy provisions for life insurance. Short-term and long-term disability insurance, definitions of disability, and various policy provisions for individual and employer provided group disability insurance are discussed. Evaluation of insurance company financial strength and the impact of regulation on company management and behavior are considered. Prerequisite: RMI 320. Spring only. 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, rereading, 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 101 Russell Scholars Creative Writing
This course is offered as a continuation of RSP 100C to help students define and meet their writing goals. Classes meet once a week, and include individual conferences. Creative Writing emphasizes style, organization, and development, with some emphasis on mechanics. Students must exercise the self-discipline necessary to work independently. Cr 3

RSP 111 Russell Scholars Learning Community Lab
RSP 111 is a continuation of RSP 110. Cr variable

RSP 211 Russell Scholars Learning Community Lab
RSP 211 is a continuation of RSP 210. Cr variable

RSP 250 Russell Scholars Seminar: Songs and Society
This is an interdisciplinary, literature-based course focusing on the role of songs in world cultures. It is designed to introduce students to the influence that songs have upon societies, and likewise, the influence of societies upon the creation and use of songs. Like most art forms, songs are reflections of the prevailing values of a given society at any given time in history. The course examines songs as vehicles to motivate and mobilize people, to help them escape from drudgery, to worship, to express political sentiment, to approve or to protest, to celebrate, and to entertain. Students identify and analyze the range of song genres from martial songs and anthems to love songs, lullabies, and protest songs. The course traces the evolution of the

traditional story-song from the epic ballads to its present incarnation as both high and pop culture. Students will also explore songwriting as both an art form and as a business driven by societies' unquenchable appetite for songs, both old and new. Prerequisite: 24 credits or permission of instructor. Cr 3

RSP 282 Russian Literature in English Translation
No description available. Cr 3

RSP 311 Russell Scholars Learning Community Lab
RSP 311 is a continuation of RSP 310. Cr variable

RUS 202 Intermediate Russian II
Continuation of RUS 201. Prerequisite: RUS 201 or the equivalent. Cr 4

RUS 281 Russian Literature in English Translation
The content of this course will vary. Topics will include: Russian literature of the 19th century, Russian literature of the 20th century, recent Soviet literature, Russian theater and cinema. The readings for RUS 281 and the discussions will be in English. Cr 3

SBS 199 Topics
No description available. Cr 3

SBS 200 Human Growth & 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 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 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/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

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 306 Adolescence
An overview of the psychological and social dimensions of adolescent development, including consideration of gender and group differences in the experience of the physical, cognitive, and social transformations of adolescence. Cr 3

SBS 307 Midlife and Adult Development
This course considers the ongoing challenges and opportunities for development throughout the adult years, with emphasis on midlife and its associated physical, personality, and socio-cultural processes. Psychological and other social science perspectives on the study of midlife will be complemented by examples

from field interviews, folk tales, and imaginative literature. Cr 3

SBS 309 The Psychology of Attachment in Early Childhood
This course focuses on the critical importance of attachment process in early childhood and the emotional development of young children as the basis of forming relationships throughout one's life. Stages in attachment process will be presented as well as types and categories of attachment. Stages of emotional development in early childhood will also be presented with critical accomplishments in each stage. Positive and negative influences on both attachment and emotional development will be discussed as well as implications for attachment relationships throughout the lifespan. SBS 200J recommended. 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 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 337 Introduction to Epidemiology
This seminar course introduces the student to epidemiology as a utility for the establishment and maintenance of public health. In essence, epidemiology involves the observation and statistical analysis of the occurrence of health and disease in human populations. This science informs the practice of preventive health/disease control and the formulation of public health policy. Seminar topics will be drawn from both infectious and chronic disease epidemiology ranging from the historical plagues such as the Black Death to the modern plagues of AIDS, cancer, and obesity. Recommended prerequisites include Introductory Biology and Statistics. Cr 3

SBS 339 Ethnicity, Immigration, and Identity
This course will focus on concepts of ethnicity, immigration, and identity. We will explore how ethnic identity is defined and why people emigrate. We will address the notions of stereotyping, discrimination, assimilation, accommodation, ethnic cleansing, and genocide. We will investigate, from the perspective of cultural and physical anthropology, aspects of what constitutes: race and ethnicity, ethnogenesis, migration, acquisition, retention, as well as negotiated and nested qualities of identity. Finally, we will probe the political, economic, and social concomitants of immigration and how these affect pluralism, inter-group relations and trans-generational transformations in immigrant populations. Cr 3

SBS 340 Language Acquisition and Literacy Development
This course provides students with opportunities to apply knowledge of fundamental principles and means of investigation used in the study and explanation of language acquisition and literacy development. It plays a foundational role in fostering students' understanding of literacy, which is key to their development as professionals charged with enhancing children's literacy development. Cr 3

SBS 341 The Family
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 345 Diversity: Many Voices

This course examines the impact of race, class, and gender inequality on individual and social experiences in the United States. Students will be required to read materials on issues concerning inequality, power, privilege, and social justice. This will be followed by intense discussions of these topics. The course may include projects pertaining to diversity issues in the local community. Cr 3

SBS 349: Trauma: Social, Psychological and Cultural Dimensions

This course examines the social, political, and cultural history of the concept of trauma, focusing on the definition of traumatic and stressful events, common responses to those events, and models for conceptualizing responses to traumatic experiences. Topics include the diagnostic criteria of Post-Traumatic Stress Disorder, recommended treatment approaches, risk and protective factors associated with specific types of traumatic events, and the influences of differing cultural contexts. Areas of controversy within the field of trauma studies 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 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 399 Special Topics

No description available Cr 3

SCI 107 Biological Principles II

This is an integrated lecture-laboratory course introducing students to biological diversity. The lecture and laboratory each meet three hours weekly. Prerequisites: SCI 105 and SCI 106 with a grade of C or higher. Cr 4.5

SCI 108 Chemistry for Health Sciences

No description available. Cr 3

SCI 115 Principles of Chemistry II

A continuation of SCI 113. This course is designed to provide the foundation for all further studies in chemistry and is a prerequisite for all upper-level chemistry courses. Prerequisite: satisfactory completion of SCI 113 or CHY 113. Cr 3

SCI 116 Lab Techniques II

Laboratory experiments to illustrate the principles that are presented in SCI 115 lectures. Three laboratory hours per week combining recitation and practical lab work. Prerequisite: SCI 114. Co-requisite: SCI 115. Cr 1

SCI 150 Physics and Biomechanics

This physics-based course explores the mechanical and anatomical principles of human movement. Students examine the interaction of the body with the environment through sports, performing arts, and everyday activities. Areas of study include stability, stress and strain, mechanical properties of connective tissue, and therapeutic application. Cr 3

SCI 172 Human Anatomy & Physiology II

This is the second course in a two-semester sequence in human anatomy and physiology. Topics in this course will include the nervous system, special sense organs, blood and circulatory system, immune function, respiratory system, digestion and metabolism, endocrine function, renal function, and electrolyte balance. Prerequisites: SCI 170 and SCI 171. Must be taken concurrently with SCI 173, the lab. Cr 3

SCI 173 Human Anatomy & Physiology II Lab

Laboratory experiences illustrating topics introduced in SCI 172. Must be taken concurrently with SCI 172. Cr 1.5

SCI 305 Molecular Physiology

This lecture and lab course examines the linkage between cellular and organismal events and those at the molecular level. Particular attention is given to DNA replication, signal transduction and the control of transcription, genomics, proteomics, metabolism, and the compartmentalization of cellular functions. Prerequisites: one year of chemistry and SCI 209 and SCI 252 or equivalent. Cr 4

SCI 337 Introduction to Epidemiology

This seminar course introduces the student to epidemiology as a utility for the establishment and maintenance of public health. In essence, epidemiology involves the observation and statistical analysis of the occurrence of health and disease in human populations. This science informs the practice of preventive health/disease control and the formulation of public health policy. Seminar topics will be drawn from both infectious and chronic disease epidemiology ranging from the historical plagues such as the Black Death to the modern plagues of AIDS, cancer, and obesity. Recommended prerequisites include Introductory Biology and Statistics. Cr 3

SCI 350 Science Projects

This course is an independent study under the direction of a faculty member. Students develop and complete a laboratory or library project. Cr variable

SCI 360 Environmental Issues

The goal of this course is to allow students to develop a comprehensive world view from which to evaluate current environmental issues and problems. Local, state, national, and international issues will be explained in light of concepts, theories, and data derived from many disciplines, including ecology, biology, ethics, sociology, and political science. Prerequisites LCC 230 or SCI 107 or permission of instructor. 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

SCI 381 Pathophysiology II

This course examines the physiologic, biochemical, genetic, and environmental basis of noninfectious diseases. The nervous, hematologic, renal, digestive, reproductive, muscular and skeletal systems will be studied. Microscopic pathology of selected diseases will be examined. Prerequisites: microbiology, human anatomy and physiology. SCI 380 is not a prerequisite. 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 199 Topics in Sociology

This introductory course examines social networks and the causes, qualities, and consequences of those ties connecting us together. Students will be introduced to the major sociological theories of social networks and social capital. Issues of difference and diversity in our contemporary global society will be introduced and investigated in relation to social networks. Status differences shape

our access to resources, our mobilization of social capital, and future status attainment. Thus, status differences are both a cause and a result of our social networks and social capital. 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 300 Sociological Theory

Critical evaluation of selected classical models of the social world. Includes consideration of the foundations of sociological thought, the content of major classical theories and theory groups, and the socio-cultural settings within which they developed. Prerequisite: SOC 210 with C or better or permission of 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 330 Sociology of the Family

A sociological approach to the study of the family, including the structure of social relationships, the modern American family as a social institution, the cultural background of the family, and the impact of social change. Prerequisite: SOC 210 with C or better or permission of instructor. Cr 3

SOC 363 Food, Culture, and Society

This course views food production, processing, distribution, and consumption as social and cultural phenomena. The course develops a sociological framework for understanding and connecting the diverse food stories in the headlines: GMOs, obesity, agricultural subsidies, food safety, organics. Students will also gain a better understanding of their own food choices and opportunities for changing our food system. Prerequisite: SOC 210 with C or better or permission of instructor. Cr 3

SOC 365 Sociology of the Body

This course examines the body as a text marked by, and rendered meaningful through, social categories of race, gender, class, sexuality, disability, and disease. This writing- and reading-intensive course discusses both social constructionist and biological determinist perspectives on embodied difference. Prerequisites: SOC 210 with C or better and one or more of SOC 300, SOC 316, WST 380, WST 390. Cr 3

SOC 374 Mental Health and Mental Illness

An examination of theories of the "causes" of "madness" and the treatment of the mentally ill. Particular attention on the influence of culture on the definition of illnesses, the relationship between social factors and illness, and the social context of treatment. 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

SOC 392 Poverty: Policy & Perspectives

This course will analyze the causes of and responses to poverty in the United States. Relying on multidisciplinary literature, this course examines measures and theories of poverty; public, political, and policy debates; and the role of government in income distribution/redistribution. Particular attention will focus on issues of power, wealth, gender,

and race, as well as education, health, housing, and place as factors inextricably linked to poverty. Prerequisites: SOC 210 with a C or better, SOC 301 and SOC 307 recommended, or permission of instructor. Cr 3

SPA 102 Beginning Spanish II

Continuation of SPA 101. Prerequisite: SPA 101 or equivalent. Cr 4

SPA 202 Intermediate Spanish II

Continuation of SPA 201. Prerequisite: SPA 201 or the equivalent. Cr 3

SPA 270 The Culture and Civilization of Spain

This course examines aspects of the society, institutions, art, literature, and religion of Spain from its origins to the present. No knowledge of Spanish is necessary. Cr 3

SPA 304 Advanced Conversations & Composition

This course focuses on listening, reading, speaking, and writing, with an emphasis on oral and written communication and critical thinking. Activities are communicative as well as cooperative with a focus on learning in context. Taught in Spanish. Prerequisite: SPA 300 or equivalent. 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 235 Lab Techniques in Nutrition & Exercise

An introduction to those laboratory techniques that are found in the nutritional and exercise sciences. Students will be introduced to the concepts of energy exchange in the human body and the measurement of those exchanges. Emphasis also will be placed on the impact nutritional practices have on human performance and disease. Prerequisites: ALT, EXS, HEF major. Cr 3

SPM 260 Essentials of Personal Training

An overview of the knowledge, skills, and abilities needed by fitness instructors to plan, implement, and evaluate safe and effective exercise programs. Emphasis is on exercise programs for individuals. Prerequisites: HEF, EXS major; SPM 100 or concurrent; CON 219 or concurrent. Cr 3

SPM 265 Therapeutic Modalities

An exploration of the physical principles, physiological effects, indications, contraindications, safety precautions, and operating procedures of therapeutic modalities. Includes application of modalities in the laboratory setting. Prerequisite: ALT major; SPM 100, 210, 211; CON 216; PHY 101, 102 or PHY 111, 114 or concurrent. 2 credits lecture, 1 credit lab. Cr 3

SPM 270 Athletic Training Clinic I

Completion of a minimum of 150 clinical hours applying proficiency knowledge and skills in an athletic training clinical setting. The first clinical course for students enrolled in the athletic training major. Prerequisite: ALT major; SPM 100, 210, 211; CON 216. Cr 2

SPM 310 Athletic Training Principles II

This is an intermediate study of principles for the prevention, examination, treatment and reconditioning of physical activity injuries. Lecture and laboratory competencies prepare students for supervised clinical experiences. Prerequisites: ALT major; SPM 100, 210, 211; CON 216. 2 credits lecture, 1 credit lab. 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 340 Therapeutic Exercise

A study of the basic components of a comprehensive therapeutic exercise program including functional anatomy, joint mobilizations, and rehabilitation programs will be discussed for the appendicular and axial skeletons. In addition, the physiological effects, safety precautions, indications, contraindications, modes of resistance, and specific rehabilitation protocols will be discussed. Prerequisites: ALT major; SPM 370, 410; SPM 381 or concurrent. 2 credits lecture; 1 credit lab. Cr 3

SPM 350 Health Promotion Programs

This course examines the assessment, planning, implementation, and evaluation of health promotion programs in a variety of settings. Students will develop and lead a health promotion workshop. Prerequisites: HEF or HLS major. SPM 230; Cr 3

SPM 371 Athletic Training Clinic III

Completion of a minimum of 150 clinical hours applying proficiency knowledge and skills in an athletic training clinical setting. The third clinical course for students enrolled in the athletic training major. Prerequisite: ALT major; SPM 370; 410; SPM 381 or concurrent. 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 205 Communicate: Innovation Engineering II

Communicate: Innovation Engineering II combines elements of several disciplines: the clarity of professional writing, the precision of technical writing, and the expressiveness of creative writing. Attention to narrative power of visual imagery as well as text; emphasis on authentic writing, writing as a method of prototyping, and technology translation. Students learn to communicate the benefit, the uniqueness, and the credibility of a concept. Students work with innovators to explore and translate the benefits of technical and specialized ideas to a target audience. Cr 3

STH 315 Rehabilitation Services for Older Adults

This course will discuss rehabilitation services for older adults within the present health care system including types of services, cost and reimbursement for services and responsibilities of different rehabilitation professionals. The course will look at the role of the rehabilitation professional in the delivery of services in a variety of medical and community settings typical for older adults. The course will review common conditions for older adults including cardiac, pulmonary, neuromuscular, and orthopedic conditions and provide evidence-based examples of interventions commonly utilized in the rehabilitation profession. Finally, the role of rehabilitation in health promotion, prevention, and well-being will be explored. Prerequisites: College writing and any PSY or SOC course. Cr 3

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 & 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 393 Methods of Social Work Practice I
This course is an introduction to the basic concepts and skills of interviewing and assessment within the framework of a strengths perspective. Emphasis will be placed on the integration of ethics and the process of reflection within a generalist practice of social work. Prerequisites: EYE, MAT 101, English Composition, statistics, SOC 100, PSY 101 and 102, Biology and lab, HRD 200, POS 101, ECO 101, SWO 201, SWO 250, junior status at the time of preregistration for SWO 393, grade of C or better in all required social work and foundation courses, and overall GPA of 2.5. Offered spring semester only. This course has a service-learning component that requires students to have some time available for work in the community. Cr 3

SWO 399 Topics in Social Work
The end of the 20th century saw advances in the disability movement, culminating in the Americans with Disabilities Act (ADA), signed in 1990. Despite the legal protections the ADA afforded the disabled, cultural and social beliefs continue to be powerful forces shaping and perpetuating negative perceptions of people with disabilities. Members of this group continue to be subjected to marginalization, oppression, stigmatization, and isolation. The course will assist students to address the unique, diverse, and complex needs of persons with disabilities. The course builds upon the core base of knowledge, skills, and values of both undergraduate and graduate practice courses enhancing the capacity of students to meet the specific service needs of this special population. It will employ an ecological framework based on four principal areas: disability and the social environment; the individual experience of disability; essential skills for social work at micro, mezzo and macro levels of practice with disabilities; and the network of resources and support for persons with disabilities

(visual, hearing, cognitive, ambulatory, self-care, and independent living). Cr 3

TAH 211 Tourism Product Development
This course teaches students how to identify, develop, and promote tourism and hospitality products and services. Issues such as marketing, sales, advertising, and promotion for the tourism and hospitality industry will be explored, along with basic planning and financial topics. Case studies from Maine and New England, as well as other regions, will be used to illustrate both areas of opportunity and challenges to product development. This course is required of all T&H majors and is the entry course for the concentration Tourism Products and Promotion. There are no prerequisites. Cr 3

TAH 231 Sustainability in Tourism and Hospitality
This course provides students with a general overview of issues related to 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 and retrofits will be discussed. The course also provides a larger global and regional perspective on sustainability issues related to tourism, such as the impact of travel on global climate change. This course is required of all T&H majors and is the entryway for the concentration Sustainable Tourism and Hospitality. There are no prerequisites Cr 3

TAH 261 Introduction to Cultural Tourism
This course 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 covered 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. Complex issues such as cultural identity and representation and authenticity and commoditization will be explored. This course is the entryway for the concentration Cultural, Arts & Heritage Tourism. There are no prerequisites. Cr 3

TAH 301 Global Issues in Travel & Tourism
As one of the world’s largest industries, and one that brings travelers and host communities into close contact, tourism and travel are rife with challenges. This course delves into these issues from a social science perspective, showing how tourism affects travelers and communities in complex and contentious ways, from commoditization of art forms to sex tourism, drug use, and changes in local economies and culture. It also explores the connection of tourism to global issues such as infectious diseases, climate change, and terrorism. This course is required of T&H majors. Prerequisite: TAH 101 or permission of instructor. 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 with an emphasis in musical theatre. The course may be repeated for credit. Cr 1

THE 132 Musical Theatre Workshop III
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

THE 133 Musical Theatre Workshop IV
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

THE 134 Production Management
A survey/lab course designed to familiarize students with the organizational procedures of the theatre production process. Major areas of study include stage management and theatre production management with some reference to video and film production management. Additional topics include the running of crews in properties and wardrobe, operation of sound and lighting equipment, and production scheduling. This course includes a crew requirement for a University production. Cr 3

THE 139 Theatrical Make-up
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

THE 141 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. The course may be repeated for credit. Cr 1

THE 142 Theatre Workshop II
A continuation of THE 141. Prerequisite: THE 141. The course may be repeated for credit. Cr 1

THE 143 Theatre Workshop III
A continuation of THE 142. Prerequisite: THE 142. The course may be repeated for credit. Cr 1

THE 144 Theatre Workshop IV
A continuation of THE 143. Prerequisite: THE 143. The course may be repeated for credit. Cr 1

THE 150 Play Analysis
Representative dramas for the stage are read, discussed and criticized using the Aristotelian elements of plot, character, thought, diction, music, and spectacle as analytical tools. Prerequisite: English proficiency. Cr 3

THE 170 Public Speaking
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

THE 175 Oral Interpretation
A course in the assimilation and analysis of literary material (poetry, prose, drama) with emphasis on the techniques used in reading written material aloud to an audience. Designed to stimulate an understanding and responsiveness to literature and to develop the ability to convey to others, through oral reading, an appreciation of that literature. Cr 3

THE 203 Musical Theatre Dance
This course will build upon basic movement skills with an emphasis on the dance styles required for musical theatre. Techniques offered will include jazz, ballet, and tap. In addition to skill training, class projects will include the staging and choreography of musical theatre selections. Cr 3

THE 220 Acting: Scene Study
This is a practicum course designed to introduce students to basic skills of stage movement and characterization through the use of scene work. The course evolves from simple storytelling through monologues to scenes. The emphasis is on internal preparation through developing a role as well as on external techniques for projecting that role. Prerequisites: THE 120 and 121. Cr 3

THE 221 Acting: Stage Voice
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. Prerequisites: THE 120 Cr 3

THE 224 Acting for the Camera
This course will give students practical experience acting in videotaped dramatic scenes, industrial role playing, commercials, and narration. The course will emphasize the difference between stage and video/film acting techniques. Cr 3

THE 236 Practicum in Design
A course focusing on the practical application of theory relevant to scenic, costume, lighting, and other theatre-related design topics. Cr 1

THE 331 Scene Design
Lecture and practicum in stage scenic design. Emphasis on the visual art and drafting of designs. Prerequisites: THE 150 and THE 230. Cr 3

THE 337 Sound Design
An introduction to the art and techniques of sound design. The class examines the creation of audio for a production environment, with emphasis on industry-standard recording techniques and communication tools, script and environmental analysis, and equipment and delivery systems. Prerequisites: THE 150 and THE 230, or permission of instructor. Cr 3

THE 352 Dramatic Literature and Theatre History II: 1500-1800
This course examines the dramatic literature and history of traditional Asian, Renaissance, Restoration, and Enlightenment theatres. THE 352 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 150; THE 150 may be taken concurrently. Cr 3

THE 360 Butches, Bitches & Buggers: An Exploration of Modern Queer Drama
This course explores provocative portraits of queer life in modern drama including the evolution, reclamation, and employment of gender- and sexuality-specific language and stereotypes within and outside the LGBTQ

communities. Prerequisites: College Writing & THE 150, or instructor permission. Cr 3

WST 101 Introduction to Women and Gender Studies
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

WST 201 Women, Knowledge & Power
This course examines the ways in which the politics of knowledge production shape culture and gender relations. It explores the ways women have historically resisted, subverted, appropriated and reformed traditional bodies of thought. Prerequisites: WST 101, EYE 109 or permission of instructor. Cr 3

WST 245, 345, 445 Topics in Culture and the Arts I, II, III
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

WST 320 Advanced Topics in Women and Gender Studies
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

WST 335 Topics in Science, Technology and Health I, II, III
Courses in this category will include a critique of traditional science, technology, and medicine; representation of feminist possibilities and communities at work on issues of knowledge, health, and power; reconstructions of science, technology, and health care based on new theories and practices. Each of these courses will ask similar questions: How have scientific thinking and gendered technologies affected women's bodily experience? Is science fiction coming to pass in new reproductive technologies and genetic projects? How has science's view of the female and feminine been problematized by reading works of fiction? Can feminists escape the difficulties of writing about or prescribing for others? Does science create racial as well as sexual subjects? How can it be used (to quote bell hooks) to “talk race and fight racism?” Prerequisite: WST 435 requires permission of the instructor. Cr 3

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Arts & Culture

Six beers-a-brewing: Winter beer review

Andrew Henry & Tom Collier
Free Press Staff

As the days get darker during the winter months, so does the beer. Darker beers, like stouts and porters, are more common during the snowy season and are often some of the best seasonals. Some of the beers on this list are strictly seasonal, meaning that they're only brewed during the winter, while others are brewed year-round, but fit well as winter beers. Here's how they ranked.

1) **Allagash Black - 7.5% ABV, \$2.62/bottle**

Allagash Black is a legend. Coming from one of the most experimental breweries in the northeast, the Black is a complex and rewarding blend of tried-and-true winter flavors. It sports a huge amount of caramel and coffee up front and coats your mouth with a silky shell of cocoa and hazelnut. It lingers and lingers well after ingested, with a warm and foamy aftertaste. To say that this was the clear winner is an understatement. The first sip garnered hearty and pronounced "Oh man" reactions from us. You don't drink this beer – you experience it.

2) **Phantom Punch Stout - 6.8% ABV, \$1.61/can**

Baxter Brewing's Phantom Punch Stout is easily the most unique of the bunch, and its uniqueness starts with its packaging: an elaborately detailed can. Beer actually conditions better in a can, too, and it's obvious. We kept coming back to the complexity of Baxter's winter brew and its wholesome flavors. There's a punch of chocolate and malt up front along with surprising bitterness, but it softens as it lingers in the mouth, and the incredibly balanced hazelnut and toffee notes are, quite simply, stellar. As far as strict seasonals go, this is the king. And at 6.8% ABV, it'll definitely keep you warm in the winter months.

3) **Smuttynose Winter Ale - 5.8% ABV, \$1.62/bottle**

Smuttynose Winter Ale is a delicious brew. Its taste is multifaceted: initially sweet and slightly fruity, but then balanced by tender malty bitterness that lingers on the tongue. The more complex a beer is, the more subtle each flavor should be to please the taste buds. Smuttynose realized this when they created this ale, which is at once robust and soft, with sweet notes that are balanced with a bitter finish. Though it may not quench your thirst as other beers on this list might, it's a rewarding treat – something that should be savored while appreciating its brewer's craft.

4) **Sam Adams Winter Lager - 5.6% ABV, \$1.40/bottle**

Sam Adams Winter Lager is, if anything, reliable. As the largest manufacturer of beer on this list, Sam Adams has the funds to craft a balanced winter brew, and the resulting beer shows this. This is the beer that Peak Nut Brown, 6th on the list, wanted to be, with balanced maltiness, subtle notes of nutmeg, and a lingering buzz that warms the palate.

5) **Slick Nick Winter Ale - 6.0% ABV, \$1.32/bottle**

Sebago Brewing Company's Slick Nick Winter Ale is a pleasant beer, though Sebago could have taken more risks with it than they did. It tastes similar to Sam Adams Winter Lager, but isn't quite as sensational. Slick Nick is slightly bitter, chiefly stimulating the rear taste buds and leaving the mouth dry after each sip. It's an exceedingly easy beer to drink, however, and despite sporting a rather tame flavor, is a great thirst-quencher. We certainly would recommend this beer, though not as readily as those that precede it.

6) **Nut Brown Ale - 4.7% ABV, \$1.57/bottle**

Peak Organic Brewing Company's Nut Brown Ale is the most disappointing of all the beers we reviewed. It lies flat in the mouth like stale mineral water and is as interesting as the brown paper bag the cashier bagged it in. We personally love Peak's other brews so we were expecting quite a bit more from their Nut Brown Ale than what we ended up with. In the end, Nut Brown feels undeveloped – that's not to say that it's terrible, because it isn't. It's just boring. Peak can certainly improve on this, and we hope that they do, as it seems out of place when compared with their other beers.



Sokvonny Chhouk / Design Assistant



Sam Hill
Arts & Culture Editor

Local Top 3: Places to take a nap on campus

1) **Woodbury Campus Center**

You can get here by taking the stairs right next to the SIAC or going around back and walking up the amphitheater stairs, but either way, you'll be glad to have a place to crash. There are

three large couches here that are by far the most comfortable couches within a 10-mile radius of the campus, I swear. They're cozy and warm. You can sink right into them, but in a relaxing way - the frame is still totally intact so don't worry. If the couches are occupied, which they often are during peak hours, there are several armchairs that are equally comfy. Run here after class to secure the perfect spot to pass out until that lecture an hour away.

2) **Glickman Library**

If you're brave enough to journey through the labyrinth of bookshelves and reference desks to find a spot to rest your legs, Glickman is the spot for you. The Learning Commons, although regularly full of students and tutors, has plenty of pleasant spaces to take a snooze. Unfortunately, there are only armchairs, so laying down isn't an option (Hey, you're sleeping on campus. Beggars can't be choosers.). And if all the seats are taken

or there's some rowdy studying going on, each floor of the library has a few seats hidden throughout them far away from the masses.

3) **Gorham Library**

The Gorham Library has very similar options to the Glickman library, only far fewer spaces. The Learning Commons here has a very similar set-up. Generally it is a bit quieter at this library than its Portland counterpart, because there are,

on average, leDss people using it throughout the day and a lot more solo-studying instead of the noisy tutoring sessions in Glickman. There is one prime spot in this library, but it's hard to get a hold of. Straight through the entrance and against the back wall of the first floor is a long, black leather couch. It's perfect. But, like I said, there's only one, so you might have to fight for it.

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Local musicians to add to your collection

Kirsten Sylvain
Editor-in-Chief

1. Mai Mai: Founded in 2010, the new sensation Mai Mai is a recent addition to the Portland's music community. The project is fronted by multi-instrumentalist, composer and USM professor of contemporary music, Sean Morin. His music is a delightfully creative mixture of chamber and popular music.

2. The Waldos: If you prefer music that has a real edge, The Waldos are probably for you. This dark, freak-out punk band is another new group you can catch playing at Portland venues like Geno's and Flask Lounge. Bands such as AWAAS and Mouth Washington have also shared the bill with The Waldos, who caution listeners to prepare for sonic assault and a bat-

tery of raw sound.

3. Glass Fingers: A project by Portlander Jesse Gertz, Glass Fingers is a combination of whimsical low-key electronic sounds and seamless melodies. During live shows, Gertz transcends his music with high-energy and a bit of recklessness. In review written by former-Arts & Culture Editor Kevin Steeves last semester, Glass Fingers received strong support because of Gertz's candidly intimate electronic production and songwriting.

4. Jaw Gems: This Portland three-piece takes lounge music to an exciting new level. Jaw Gems pianist Ahmad-Hassan Muhammad calls the group's music a mixture of psychedelic soul, experimental jazz, hip-hop and electronic pop. The band plays at the Portland restaurant Local 188

every Tuesday, and now they've released their first EP, *Take a Sip of my Wish*. These guys are fresh, intriguing and really hip.

5. Lyle Divinsky: Lyle Divinsky is not a newly recognized talent in Portland, but he never ceases to amaze and inspire. This soul and R&B singer has been playing in and out of Portland for years, making it a true treat when he's back at home. Divinsky's tone is like rich butter, and commitment to his style and artistry is definitely impressive.

6. Max Garcia Conover: Another singer-songwriter, Max Garcia Conover has managed to grab Portland's attention over the last year with his acoustic guitar and soulful, simple melodies. Though he's not quite reached the peak of his local stardom yet, his lyrics are honest and poetic. He's

more likely to address trees, houses or landscapes than unrequited lovers — a refreshing turn away from what most young singer-songwriters are doing today.

7. Jeff Beam: Jeff Beam achieves a singular and unique sound, a synthesis of psychedelic rock elements, electronic effects and the tenderness of acoustic sounds. Although the audio quality of his recording from his latest EP, *Be Your Own Mirror*, isn't the best, there's no denying his absolute creativity and unique expressiveness. Beam is a veritable staple of the Portland music community, and he is coming up with some fresh ideas.

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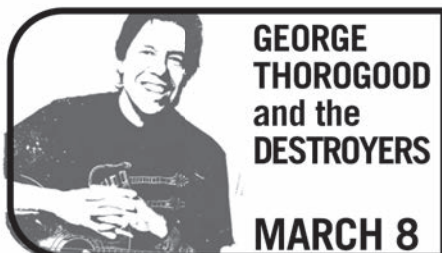
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Perspectives

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Henry's Head

Newsweek going digital is a watershed moment in print news



Andrew Henry
Perspectives Editor

I've been reading Newsweek for almost 10 years; my father has been reading it for close to 30. And after Dec. 31, neither of us will be able to say to one another, "Have you seen the latest issue of Newsweek?" After 79 years of publication, Newsweek will cease print publication of its print magazine and transition solely to online news. In 2010, they merged with online news source The Daily Beast, and will continue to publish content online after the print publication is finished. I think this is a watershed moment in the era for print news. I'm not just saying this as a Newsweek reader, but as someone

who currently works in the world of print news and media. News magazines have been a part of American life for almost a century, and before the internet boom, they used to be the only place for global news coverage and in-depth professional political analysis. If you wanted to find out why Reagan's "Star Wars" plan was the greatest advance in strategic defense, you had to turn to page 24. I get a feeling of tactile nostalgia when I turn a page to read an article or view a photo. It's nostalgia for a true "page-turner." The term doesn't work as well when it's updated to "mouse-clicker."

There's a certain glamour involved in reading a magazine. It's difficult to watch a former leading news source enter the downward spiral. Call me old-fashioned, but I really enjoyed flipping through the glossy pages of a news magazine, and getting ink on my thumbs from holding the page of an engrossing story too long. I think that it's a progressive step for Newsweek to go strictly online, but that this is the result of several missteps from Newsweek. It can be viewed both as a positive and a negative move.

It's not as if we couldn't have seen this coming. Over the past few years, Newsweek has started to publish in-

creasingly controversial covers and stories. The most notorious recent examples involve the lampooning of Sarah Palin and Michele Bachmann, the latter of which included a magazine cover that used her test photo instead of the re-touched one. Newsweek has also been wandering into the gossip category with their headlines, such as "The Wimp Factor" about Mitt Romney, and "Muslim Rage," about, well, Muslim rage. They started to implement more drastic tactics to get readers, and in many ways, it backfired. People didn't pick up the magazine – they talked about it online.

Whether you're a fan of Newsweek or not, the digitizing of a long-standing print publication is a sad thing. My dad still has the issues from 9/11, Obama's first election win and a plethora of other important events since the magazine's first issue. Newsweek will cease printing, and that will be that. I'll wake up on January 1 and slink over to my computer, where I'll have to squint to read the newest issue. For Newsweek, it's time to turn the page. Pity, because I really liked the one I'm on.

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Letters & Comments

Student questions USM choice of drag show host

One of the highlights of my year, ordinarily, is the USM drag show held at the Holiday Inn by the Bay. This year, however, I decided not to attend. I'd noticed that the regular host of the event, the beloved Crystal Ball, was not lending her sparkling panache and ebullient spirit to the festivities. Instead, the event was hosted by former "RuPaul's Drag Race" contestant, Mimi Imfurst.

This was certainly understandable at some level, given that Mimi's alter ego Braden had once been a student here at USM. Yet there were highly problematic aspects to this choice as well. Mimi had been a sort of villain on "Drag Race," and she was quickly dispatched because of her surliness toward the other candidates. I have seriously called her participation as host into question.

Several months prior to the event, Imfurst had asked her Facebook fans how they would feel about jewelry she was planning to produce and sell. The jewelry would bear the word "Rutard," a take on both RuPaul's name and on the highly offensive epithets used to bully people who have intellectual challenges i.e. "disabilities." Imfurst's fans were mostly opposed to the project, imploring her not to proceed with such an objectionable item. Yet Imfurst ignored her fans, proudly proclaiming that she was not "politically correct" and that she intended to proceed with the production of the item. I personally "unliked" Imfurst's page as a result. As a person with a math learning disability, I could not continue to support someone who enthusiastically embraces a word used in bullying.

The ironies here abound, of course. The queer community has been engaged in an effort to stem the phenomenon of bullying, as we are often its primary recipients. This effort is ultimately meaningless, however, if we ourselves descend into the same cruel and destructive behavior directed at another marginalized group. There is also the question of the use of RuPaul's name in this endeavor. RuPaul has been a symbol of acceptance and tolerance, and Imfurst's decision to bastardize that symbol is extremely offensive. One also has to wonder if this is the best representation of an institution of higher learning, not to mention of the queer community here in Portland. I contacted a person involved with the event, and it became clear that the controversy around Imfurst had not been known, and that, once informed of it, people became quickly concerned about this disturbing fact involving Imfurst's self promotional jewelry. I was assured that Imfurst would not be permitted to promote or sell her jewelry at the event, and I was relieved that this would be the case.

Sadly, our society has made words like "retard" fashionable again, something which is indicative of the success of society's Ann Coulter types in subjectively reframing bigotry in a kind of fitting free expression. Yet here at a university, we hope for higher aspiration in our treatment of others and a questioning of the harm that gets inflicted both consciously and unconsciously. My hope is that the drag show will find another host for next year's event, someone a bit more exemplary as a queer representative.

There are many such choices right here in Portland. We have our own lovely drag queens and kings, all of whom could be worthy successors of the beloved Crystal Ball. I missed attending the event this year, but I just could not bring myself to attend it. I do hope that next year, the organizers will imaginatively and creatively search for potential hosts who do not travel to the show carrying such questionable baggage.

Student, James Melansen

Sports



Home Games

Tuesday
Men's Basketball
vs. ME Farmington
7 p.m.

Friday
Women's Basketball
vs. Husson
6 p.m.

Saturday
Men's Basketball
vs. Westfield St
2 p.m.



Quick Hits: The Huskies' week in review

Anna Chiu
Sports Editor

Women's Basketball
Huskies remain undefeated after win over Salem State

The Huskies captured another win, outscoring Salem State 83-61 in a non-conference game on Tuesday night. The team finished the game shooting at 46.9 percent and improves their record to 7-0 overall with the win. Sophomore Rebecca Knight had a career-high double double, scoring 27 points with 14 rebounds. Knight scored 20 of her points in the first half to boost the Huskies to a 45-34 lead by the half and gave the team a 28-10 advantage in shots. In the second half, the team had a 24-7 run to grab a 27-point lead with 7:53 left. Senior Nicole Garland scored an impressive trio of three-pointers in the pivotal run while senior Jordan Grant contributed 10 points and 14 rebounds. Knight finished the game shooting 12 for 14 from the field with an additional two assists and three steals. The team captured 19 turnovers

with 47 rebounds and 19 second chance points. The women's team is currently ranked number 23 in the most recent D3hoops.com National Poll. They will next host Husson this Friday at 6 p.m.

Men's Ice Hockey
USM dominates Potsdam with a 7-3 victory

Junior Troy Thibodeau recorded his first hat trick of his collegiate career as the Huskies defeated SUNY- Potsdam 7-3 in a non-conference match on Friday night. The win ended the team's three game losing streak and improves their record to 5-5 overall. Thibodeau scored once in the first period and twice in the final period to complete his hat trick. Also scoring for the Huskies were freshman Zach Dymock, junior Angelo Vrachnas, senior captain David Nies, and freshman Garrett White. The seven goals are a season high for the Huskies this hockey season. Sophomore Ryan Seward picked up four assists to help the men's team win. Dymock scored the first goal within 69 seconds of the opening period to give the Huskies an early lead. The men's team

was up 5-0 by the end of the second period. Rookie Goalie Josh Hillegas had 26 saves to capture his fifth victory this season.

Women's Ice Hockey
USM outscores Trinity for the win

The Huskies were able to defeat Trinity 2-1 in a non-conference match on Friday night. The win improves their record to 3-3-2 overall. Scoring for the Huskies were junior Brittany Soar and sophomore Maggie Lane while senior Ashley Grenier, freshman Kaleigh Heath and sophomore Tayla Bent each recorded an assist. Lane scored her third goal of the season in the first period at 5:37. Soar's goal was her first of the season and gave the Huskies an edge, scoring with just 11:37 remaining in the third period. Freshman goalie Jenn Fuller stopped 20 out of 21 shots to earn her first collegiate victory. The men's team face the University of Maine Farmington this Tuesday at 7 p.m.

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Justicia Barreiros / Free Press Staff
Junior forward James Odneal (#35) dunks the ball against a Western Connecticut defender.

Scoreboard		
December 4		
Women's Basketball		
USM		83
Salem St.		61
Men's Ice Hockey		
USM		2
Bowdoin		5
December 7		
Men's Ice Hockey		
USM		7
SUNY Potsdam		3
Women's Ice Hockey		
USM		2
Trinity		1
December 8		
Women's Basketball		
USM		60
Western Conn. St.		55
Men's Basketball		
USM		92
Western Conn. St.		80

Upcoming		
December 11		
Men's Basketball		
Me.- Farmington		
@ USM		
7 p.m.		
December 14		
Women's Basketball		
Husson		
@ USM		
6 p.m.		
December 15		
Men's Basketball		
Westfield St.		
@ USM		
2 p.m.		
December 21		
Wrestling		
East Coast Christmas Classic		
@ Providence, RI		
10 a.m.		

Hey Huskies!

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