



2013 Summer Issue

the free press

University of Southern Maine Student Newspaper

Inside this issue:
Renter's Guide • From the editor • Student groups • Fall 2013 Course Guide • A tour of Portland



Sokvonny Chhouk / Design Director

First-time renter's guide

Sidney Dritz
News Assistant

Tips to navigating your first lease

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

What you're worth

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

No shame in asking, right?

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

Your very own energy crisis

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

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

Get a space heater or a really big sweater

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

Be careful in selecting your roommates

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

Read the directions

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

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Letter from the Editor

Get involved this year - you won't regret it



When I first got to college three years ago, I thought that I knew exactly what I wanted to do, but it's funny how, as time went on, I knew less and less what I wanted. Somehow, I ended up where I never expected to be, and I've figured out that's kind of how this whole deal works. Be prepared for anything, and have an open mind because you never can tell where you're going to end up in a few years' time.

I first came to USM as a transfer student in spring 2012 with

no experience in writing news. I started off as a staff writer, and I had published only four stories when I became editor.

I remember that ad after ad ran in The Free Press saying, "You could be the next Editor-in-Chief," and I thought, "yeah right," and I quickly dismissed the idea of putting in an application. I thought that I would never be qualified for the job. A few weeks later, the paper was still looking for someone to fill the position, and I decided that it couldn't hurt to apply. "I'm not really going to get the job," I thought, but later that month, I actually did get the job.

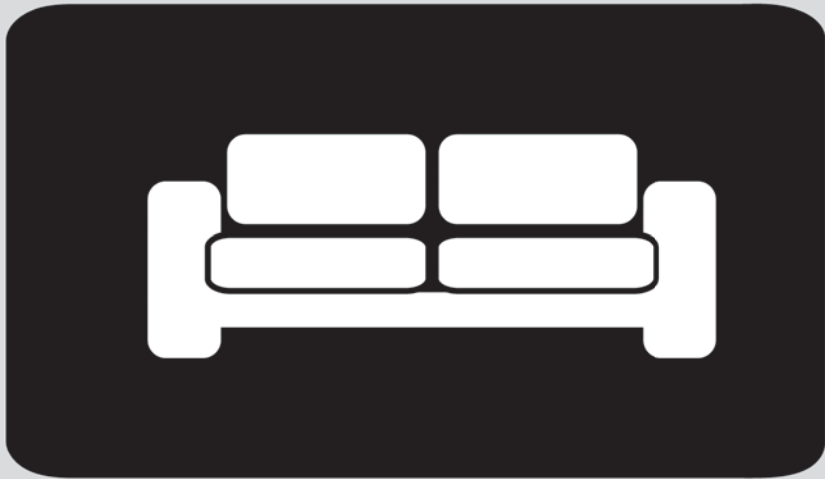
It's been a crash course from the beginning, but I guess I'm a crash-course kind of gal, because I have truly enjoyed the experience. From the first production night when we were in the office until 5 a.m., to the ups and downs of working together as an entirely new and inexperienced staff, and my GPA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

line insanity, but it's always worth it when I see someone pick up the paper.

Getting involved with the Free Press was unexpected for me, but in stumbling into this job, I figured out what I really want to do. I found a family away from home, and I gained amazing professional experience that will never fail me. Sure, sometimes I want to rip my hair out and run for the hills, but that's all part of student leadership, and that's what it's all about. You've got to crack some eggs if you want to make an omelet.

So, that's my advice to you — find something here that you can be passionate about; take criticism in stride, and when you're experimenting with something new, be bold and crack some eggs.

Get off your...



Join the crew.

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the free press

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Five reasons to get involved in student groups

Some groups:

Academic Major Based Organizations

- Accounting Society
- American Sign Language Club
- Athletic Training Student Association
- Chemistry Club
- Classics Club
- Engineering Student Committee
- English Student Association
- Environmental Health and Toxicology Club
- Environmental Science Student Group
- Exercise Science Student Association
- Finance Society
- Gender Studies Student Organization
- Geography Anthropology Student Association
- International Relations Association
- Math Society
- National Association for Music Education
- Philosophy Symposium
- Political Science Student Association
- Pre Medical and Health Student Society
- Psychology Club
- Risk and Insurance Student Group
- School of Music
- Social Work Student Organization
- Society for Environmental Toxicology and Chemistry
- Student Corporate Partners
- Student Marketing Association
- Student Nurses Organization
- Student Performing Artists
- Student Sociology Association
- Students of Economic Interest
- Summer Undergraduate Research Fellows
- Theater Department
- USM Enactus

Activity and Event Planning Based Organizations

- Gorham Events Board
- Portland Events Board
- Veterans Activity Group

Culture Based Student Organizations

- Asian American Association and Symposium
- International and National Exchange
- Multicultural Center
- Multicultural Student Association

Media Based Organizations

- Free Press
- WMPG
- Words and Images

Political and Activist Based Student Organizations

- Human Trafficking Awareness
- USM College Democrats
- USM College Republicans

Service Based Student Organizations

- Alternative Spring Break Service Group
- Circle K Club
- Community Service Learning
- Golden Key International Honour Society

- USM Relay for Life Advisory Team

Sexuality and Gender Based Organizations

- Center for Sexualities and Gender Diversity
- Queer Straight Alliance
- Rainbow Floor
- Women's and Community Center

Special Interest Based Organizations

- Active Minds Club
- Blade Society
- Boff Club
- Cyber Security Organization
- Integrated Community Enrichment
- Magic The Gathering Club
- Partners in Rural International Health
- Primary Care Progress USM Chapter
- Southern Maine Singers
- Students and Recovery
- Students for Environmental Awareness and Sustainability
- USM Garden Project
- Veterans Student Organization

Spirituality Based Student Organizations

- Interfaith Programs
- Intervarsity Christian Fellowship
- Muslim Student Association
- Navigators
- USM Buddhist Association
- USM Hillel

Sports and Recreation

- Campus Intramural Sports
- Cycle Club
- Figure Skating Club
- Marital Arts Club
- Portland Campus Recreation & Fitness
- Salsa Club
- Southern Maine Outdoor Adventure Club
- Southern Maine Outdoor Recreation
- Sport Management Club
- Student Athlete Advisory Council
- USM Athletics
- USM Scuba Club
- USM Surf Club

University Leadership Roles and Committees

- Academic Integrity Board
- Academic Peer Advisor
- Admission Tour Guide
- Board of Student Organizations
- Leadership Development Board
- New Student Orientation Leader
- Resident Assistant
- Safety Assistance
- Student Body President
- Student Communications Board
- Student Conduct Committee
- Student Health and Counseling Advisory Board
- Student Senate
- Student Support Network
- USM Fire Marshals
- Undergrad Student Rep to the UMS Board of Trustees

Thomas Collier
News Editor

When classes start this fall and new students are ducking in and out of different buildings, unsure of where to go for their next classes or how to pronounce the names of their professors, the idea of joining — let alone starting — a student group might seem daunting. But there are a few reasons make sure that the idea of joining a student group doesn't get lost in the hustle and bustle of the new year.

You may get to be in charge

Some student groups offer great opportunities for developing leadership skills. If you're interested, you could flex your political muscles and get involved with the Student Government Association. These students decide how the student activity fee is allocated. But maybe politicking just isn't your thing, as cutthroat as it may sometimes be. There are still other opportunities to lead. You could join an already-existing group and schmooze your way to the top, or maybe you might even want to start a group up yourself. With a bit of dedication and some work, you could be the boss in no time. Just remember your friends at the bottom!

Meeting people like you

We tend to like people who are like us. That isn't a secret. Student groups offer you the opportunity to meet people who share similar interests and perspectives.

Now, don't expect to be best friends with everyone in a given group, but it isn't uncommon for group members to make some very good friends to hang out with outside school. Are you interested in hitting other people with foam swords and shields? There's a group for that. Or maybe you're a philanthropist who just wants to pay it forward — the Alternative Spring Break Service Group and the Circle K Club might be right up your alley.

F-U-N

Student groups are fun. If they weren't, they probably wouldn't exist. Even groups that center around specific major programs can be fun. Many groups hold meetings off campus, sometimes heading to the movies, out for a night of bowling or to one of the many local restaurants, bars or eateries around the greater Portland area. These people want to talk about the stuff you're interested in, not out of obligation, but because they like that stuff too! Isn't that great?

Perks and free stuff

There are different perks for each student group. A lot of groups provide their members with free food during meetings and a nice place to kick their shoes off while they eat. Other groups offer free business cards so that you won't have to pay out of your own pocket to have your name emblazoned on a three-inch piece of cardstock. Perhaps you're one of those people who never seems to have enough pens. Some groups (like the Free

Press) hand out pens with their logos on them just to make sure that your ink never runs dry.

Networking

You'll meet a lot of different people during your time at USM. You won't like them all, but unless you're a severe misanthrope, you'll enjoy many of the connections and relationships that you forge while you're a student here. Joining a student group will give you a chance to meet people who may be able to help you out later on in life. Some groups give you the chance to rub elbows with professors outside of class and others invite well-known speakers to campus, where you'll have the chance to interact with them and make a good impression. Other groups will even send you away to conferences and conventions where you can meet professionals in your areas of interest.

For those interested in checking out what student groups are available to join, take a gander online at webapp.usm.maine.edu/pathways. Over 100 student groups across the three USM campuses are available for your perusal. There, you can find a student group that fits your particular set of interests. Pathways has the most up-to-date list of student groups and can assist students in resume and skill building

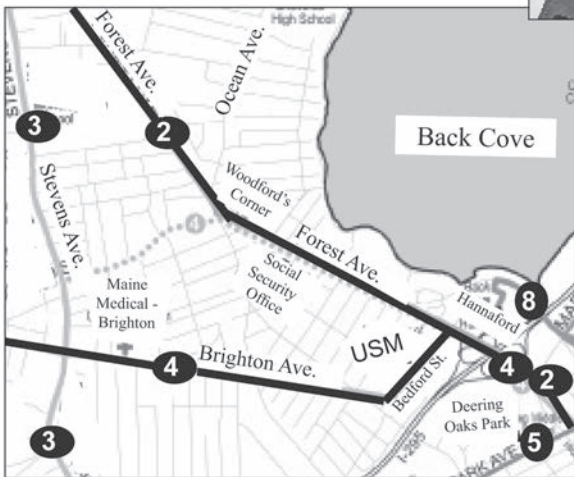
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Fall 2013 Course Guide



EYE: Entry Year Experience

EYE 102	Sustainability, Culture and the Environment
EYE 105	Life is a Matrix
EYE 108	Culture, Identity & Education
EYE 109	Gender, Representation, Resistance
EYE 110	Literature and Medicine
EYE 112	Built Environment: Energy
EYE 113	Pleasure of Eating/Animals
EYE 116	Nature/Nurture
EYE 117	Nature, Society & Self
EYE 118	Musician's Health: Path to Peak
EYE 125	Getting Down to Business
EYE 127	Friendship
EYE 128	Getting Down to Business Lab
EYE 129	The Chicken Course
EYE 130	Discovering Business of Sport
EYE 180	Innovation Engineering
LCC 123	College and Community
HON 101	Honors Entry Year Experience
RSP 103	Russell Scholars Seminar

Quantitative Reasoning

LCC 150	Stats for Informed Decision Making
MAT 105	Math 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

College Writing

ENG 100	College Writing
ENG 101	Independent Writing
ENG 104	Enriched College Writing
ESL 100	College Writing
HON 100	Writing in Honors
LCC 110	College Writing: Language & Literacies
LCC 111	Language & Literacies Enriched
RSP 100	Russell Scholars Writing I
RSP 104	Russell Scholars: Enriched College Writing

Socio-Cultural Analysis

ANT 101	Anthropology: The Cultural View
ANT 233	Food and Culture
CLA 285	Classical Mythology
CLA 291	The Golden Age of Greece
CMS 102	Introduction to Communications
CRM 100	Introduction to Criminology
ECO 101	Introductory Macroeconomics
ECO 102	Introductory Microeconomics
ECO 103	Critical Thinking about Economic Issues
ECO 106	Economics of Social Change
ENG 230	Literacy Studies
GEO 101	Human Geography
GEO 103	Human-Environmental Geography
GEO 207	Maps: Making Sense of the World
GER 201	Intermediate German I
HRD 200	Multicultural Human Development
HTY 101	Western Civilization I
HTY 102	Western Civilization II
HTY 121	U.S. History 1800
HTY 122	U.S. History 1800 to 1900
HTY 123	U.S. History Since 1900
HTY 141	African-American History to 1865
HTY 171	Traditional East Asia
HTY 181	Latin America I
HUM 325	World History and Geography I
HUM 350	Cultural Fieldwork
LCC 220	US Democracy: Origins & Development
LCC 320	Sustaining Democracy
LIN 185	Language, Mind & Society
POS 101	Introduction to American Government
POS 104	Introduction to International Relations
POS 205	Introduction to Comparative Politics
RUS 291	Russian Culture and Civilization
SBS 200	Multicultural Human Development
SBS 340	Language Acquisition and Literacy Development
SOC 100	Introduction to Sociology
SOC 210	Critical Thinking About Social Issues
SWO 250	Introduction to Social Welfare
WST 101	Introduction to Women & Gender Studies

Cultural Interpretation

ARH 111	Prehistoric through Medieval
ARH 112	Renaissance to the Present
ASL 201	Intermediate ASL I
ENG 120	Introduction to Literature
ENG 145	Literature and History
ENG 244	Introduction to Cultural Studies
FRE 201	Intermediate French I
LCC 200	Creative Critical Inquiry
LCC 350	Global Past and Present
MUH 222	Music History Survey I
MUS 100	Music Appreciation and History
MUS 103	Introduction to Jazz
PHI 105	Introduction to Philosophy: Philosophy through History
PHI 106	Introduction to Philosophy: Why Philosophize?
PHI 107	Introduction to Philosophy: World Philosophy

PHI 109	Introduction to Philosophy: Law, Politics & Society
PHI 360	Existentialism
SPA 201	Intermediate Spanish I
THE 101	Introduction to Theatre
THE 150	Text Analysis
WST 201	Women, Knowledge & Power
WST 390	Contemporary Feminist Theories

Creative Expression

ART 141	2-D Design
ART 151	Drawing I
CMS 150	The Writing Process
ENG 201	Creative Writing
HON 207	Illuminated Autobiography
HUM 105	Basic Photography
LCC 250	Thinking About Art & Through Art
MUS 110	Fundamentals of Music
THE 102	Acting for Non-Majors
THE 103	Contemporary Dance I
THE 134	Production Management
THE 170	Public Speaking
THE 334	Costuming

Science Exploration

AST 100	Astronomy
AST 103	Astronomy: Exercises & Experiments
BIO 103	Marine Biology
BIO 104	Marine Biology Lab
BIO 107	Biological Principles II
CHY 113	Principles of Chemistry I
CHY 114	Lab Techniques I
ESP 101	Fundamentals of Environmental Science
ESP 102	Fundamentals of Environmental Science Lab
GEO 102	Physical Geography
GEY 100	Volcanoes, Earthquakes & Plates
GEY 101	Lab Experiences in Geology
GEY 103	Floods, Glaciers & Changing Climates
GEY 105	Ocean Planet
GEY 106	Ocean Planet Lab
LCC 230	Environmental Science, Policy, & Sustainability w/Lab
PHY 101	Introduction to Physics
PHY 102	Introduction to Physics Lab
PHY 111	Elements of Physics I
PHY 114	Introductory Physics Lab I
PHY 121	General Physics I
SCI 170	Human Anatomy & Physiology I
SCI 171	Human Anatomy and Physiology I Lab

Ethical Inquiry, Social Responsibility, & Citizenship

ADS 300	Ethics & Youth with Exceptionalities
CMS 323	Understanding Technology
COR 301	Thoughtful Giving: Philanthropy & American Culture
EDU 310	What is the Purpose of Schooling in a Democracy?
HON 310	Honors Global Ethical Inquiry
LCC 370	Toward a Global Ethics
MUE 310	ProSeminar v Teaching Internship
MUH 329	Devils, Dwarfs, and Dragons
PHI 211	Media Ethics
PHI 241	Philosophy & Politics of Work
PHI 291	Death and Dying
WST 380	Politics of Difference

Diversity

EDU 305	Foundations of Cultural & Linguistic Diversity
EYE 109	Gender, Representation, Resistance
LIN 185	Language, Mind & Society
NUR 326	Dominican Republic Community Nursing Partnership I
NUR 339	Community Nursing Partnership
NUR 341	Community Nursing Partnership II
NUR 419	Community Nursing Partnership
NUR 436	Community Nursing Partnership I
NUR 437	Community Nursing Partnership for Accelerated Students II
POS 280	Issues Before the United States
SBS 345	Race, Class, Gender: Diversity
SWO 365	Exam Oppression & Value Diversity
WST 101	Introduction to Women & Gender Studies
WST 201	Women, Knowledge & Power
WST 380	Politics of Difference
WST 390	Contemporary Feminist Theories

International

ARH 111	Prehistoric through Medieval
ARH 112	Renaissance to the Present
BUS 361	International Marketing
EDU 310	What is the Purpose of Schooling in a Democracy?
GEO 101	Human Geography
GEO 103	Human-Environmental Geography
HON 310	Honors Global Ethical Inquiry
HTY 171	Traditional East Asia
HTY 181	Latin America I
HTY 390	Traditional Japan: Court and Warriors
ITP 230	Project Management
POS 280	Issues Before the United States

Fall 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 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

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 421 Seminar in Art Education

This seminar examines art curriculum design and evaluation. Critical issues in art education for the emerging art education professional today are explored through discussion, writings, and readings. This course is to be taken while student teaching. Prerequisite: AED 321.

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 233 Food and Culture

This course focuses on food as an essential and central part of human experience. We will examine the anthropology of food and food habits, including an evolutionary-ecological perspective, the reconstruction of past human diets from archaeological evidence, and a cross-cultural examination of the diversity of human food preferences and avoidances. An important goal of the course will be to try to understand and appreciate cultural differences in food habits from both an ecological and a societal point of view. Cr 3

ANT 241 Tourism & Community Development

Explores relationships between tourism, economic development, and communities. Topics include strategic planning, community participation, marketing and promotion, and conflict resolution. Case studies from Maine and beyond examine positive and negative aspects of linking community development to tourism and hospitality. Required for the Minor in Tourism and Community Development. Cr 3

ANT 299 Topics: Cultures of Africa

Africa is a vast continent rich in cultural diversity. This course will explore a variety of African people and cultures south of the Sahara. Students will read ethnographic case studies about small-scale communities that focus on interrelated issues such as music, religion, politics, economics, geography, ethnicity, and gender. The course will consider the effects of colonial periods on indigenous populations but will emphasize post-independence Africans. Students will learn to challenge negative Western representations of Africa by focusing on the power and perseverance of African people and their cultures. Cr 3

ANT 299 Topics: Women, Arts and Global Tourism

This course explores the role of women who produce arts and crafts for the global tourist market. All over the world, women are improving their socio-economic status, investing in their families, and contributing to community development through their involvement in perhaps the largest-scale movement of goods, services, and people in human history. We will learn about the historical and contemporary experiences of women from many different cultures in North and South America, Africa and other international settings. Course content may include themes of cultural heritage, culture change, traditional versus tourist art, gender inequality and community development. Cr 3

ANT 399 Topics

This course will explore the complicated and sometimes fractious relationship between anthropology and museums of ethnography and natural history in both North America and abroad. Since the late-1800s, museums have figured prominently in how the public learns about non-western cultures while also being a site of legitimate anthropological research. As well, some of anthropology's more significant academic debates have been fought out in the museum. These overlapping relationships are worth exploring. 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 318 History of Photography

This course studies photography from its invention in the 19th century to the present day. It considers photography from historical, theoretical, social, and artistic perspectives. Prerequisite: ARH 112 or permission of the instructor. Cr 3

ARH 326 19th Century European Art

Examination and discussion of European painting, sculpture, and architecture from neoclassicism through post-impressionism (1790-1900). The course will focus on the relationship between the visual arts and the political, social, and aesthetic revolutions of the century. Prerequisite: ARH 112 or permission of the instructor. Cr 3

ARH 329 Asian Art

A survey of some major styles in Asian art (India, China, Japan). The course emphasizes the cultural and religious factors that influenced the art. 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 281 Printmaking: Intaglio & Relief
This course introduces intaglio and relief printmaking techniques. The class includes traditional dry and wet processes for intaglio such as drypoint, engraving, etching, and aquatint, and addresses color printing methods for linoleum and woodcut. Prerequisite: art foundation. Cr 3

ART 291 Sculpture: Additive & Subtractive
An introductory course directed toward developing awareness of basic elements of sculptural form and the discipline of making objects. Prerequisite: art foundation. Cr 3

ART 323 Web Art: Concepts & Construction
Students will study the conceptual and structural framework for Web site development and Internet art. Alternatives to the conventional Web page and unique approaches to Web dynamics will be explored. The course will provide a working knowledge of hypertext markup language (HTML) and will address new developments in Web authoring. Interface design and the social implications of Internet art will be considered. 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 351 Intermediate Drawing I: The Figure
Continued drawing with emphasis on independent direction. Prerequisite: ART 251. Cr 3

ART 362 Intermediate Painting: Mixed Media
Course will develop approaches to multi-media in two and three dimensions. Projects will consist of collage, painted constructions, shaped canvases, assemblages and installations. Emphasis will be placed on imagination and experimentation with these non-traditional formats. Prerequisite: ART 261. Cr 3

ART 371 Intermediate Photgraphy
Refinement of the black and white technical skills, aesthetic decision-making language, contemporary strategies, and critical analysis of fine art photography. Medium and large format cameras and alternative processes are utilized. Distinctions between photographic series and sequences are studied. Presentations of historical and contemporary works provide examples of distinction and inspiration. Prerequisite: ART 271. Cr 3

ART 381 Special Topics in Printmaking
This course addresses historical approaches to, as well as emerging contemporary strategies in, the studio practice of printmaking. Students will be engaged in the exploration of thematic social and political concepts pertaining to the idea of the multiple. Prerequisites: ART 221, and ART 281 or ART 282. Cr 3

ART 391 Intermediate Sculpture I
The theory and practice of sculptural composition using a variety of techniques

with traditional and new materials. Prerequisite: ART 291. Cr 3

ART 392 Intermediate Sculpture II
The theory and practice of sculptural composition using a variety of techniques with traditional and new materials. Prerequisite: ART 291. Cr 3

ART 420 Advanced Studio in Digital Art I
Students will work with the instructor to develop a digital art project based upon their interests and goals as a digital artist. Aesthetic, theoretical, and historical issues related to digital art and electronic media will be discussed. Prerequisites: ART 221 and at least one 300-level digital art course. Cr 3

ART 421 Advanced Studio in Digital Art II
Students will further refine the skills acquired in Advanced Studio in Digital Art I. A semester-long capstone experience will be designed and completed by each student. Course may be repeated twice for credit. Prerequisite: ART 420. Cr 3

ART 431 Advanced Ceramics I
Students work in series, research and present information on a ceramic artist, and perform tests and experiments in forming clay, firing kilns, and glazing. Students are expected to fire all kilns, mix glazes, and keep accurate records of their development. Prerequisite: ART 332. Cr 3

ART 432 Advanced Ceramics II
Students focus on the evolution of earlier studies into a series of work that may be used for the senior exhibition. Students research and present information about a ceramic artist, load and fire all kilns, mix glazes, and are encouraged to enter competitions and arrange a portfolio. Course may be repeated twice for credit. Prerequisite: ART 431. Cr 3

ART 451 Advanced Drawing I
Making personal and complete drawings and series of drawings. Emphasis on individual concepts and personal expression. Prerequisites: ART 351 and 352. Cr 3

ART 452 Advanced Drawing II
Advanced students will develop and refine a final drawing project either in series or a process-oriented approach culmination in an integrated body of work either for senior exhibition or publication. Course may be repeated twice for credit. Prerequisites: ART 351 or 352. Cr 3

ART 461 Advanced Painting I
An investigation of the painting process with emphasis on self-directed study, compositional complexity, and historical continuity. Students are encouraged to work in multiples or series, to develop variations on a theme, and to explore societal issues and philosophical themes. Prerequisite: ART 362. Cr 3

ART 462 Advanced Painting II
Continued investigation of the painting process to express personal themes in the context of a senior thesis exhibition. Emphasis is on individual concepts and personal expression. The thesis project will be developed within a dedicated workspace with individual critiques by joint faculty and visiting critics. A writing component will accompany the final preparation of the thesis. Course may be repeated twice for credit. Prerequisite: ART 361 or 362. Cr 3

ART 471 Advanced Photography I
Students will develop a photographic project that emphasizes their interests and goals as visual artists. Individual and group critiques will explore and evaluate students' strategies and choices in respect to intention, investigation, discovery, judgment, and final production of imagery. Readings, lectures, and presentations will further inform student decisions and directions. Prerequisite: ART 372. Cr 3

ART 472 Advanced Photography II
Students will further refine the skills acquired in the first semester of advanced photography. A semester-long project will be designed and completed by each student. Course may be repeated twice for credit. Prerequisite: ART 471. Cr 3

ART 481 Advanced Printmaking I
This class is intended for students who are proficient in two or more methods of printmaking (relief, intaglio, lithography, screenprinting, or experimental methods). Students will refine their technical skills while pursuing in-depth investigation of subject matter and imagery. Knowledge and

practice of image-making as both an aesthetic and conceptual activity will be addressed. Prerequisite: permission of the instructor, or two courses from ART 281, ART 282, ART 381, and ART 382. Cr 3

ART 482 Advanced Printmaking II
This class is for the student who can work proficiently in two or more methods of printmaking. Students are expected to develop their imagery based on well-conceived ideas, which can be successfully expressed in one or more printing techniques. Experimentation with new techniques is encouraged, as is an exploration of combining several methods of printmaking effectively in one print. Students develop and pursue independent portfolio projects. Course may be repeated twice for credit. Prerequisite: ART 481. Cr 3

ART 491 Advanced Sculpture I
Continuation of Intermediate Sculpture with emphasis on the pursuit of personal imagery. Course may be repeated twice for credit. Prerequisites: ART 391 and 392. Cr 3

ART 492 Advanced Sulpture II
Continuation of Intermediate Sculpture with emphasis on the pursuit of personal imagery. Course may be repeated twice for credit. Prerequisites: ART 391 and 392. Cr 3

ASL 101 Beginning American Sign Language I
This is a beginning course in American Sign Language (ASL). It will include extensive study of receptive and expressive use of ASL, as well as an introductory discussion of Deaf culture. Course content covers basic principles in the use of sign, sign vocabulary, and aspects of the grammar of ASL. In addition to class sessions, students will use written and videotape materials out of class. Cr 4

ASL 201 Intermediate American Sign Language I
This is the third in a four-course sequence in American Sign Language (ASL). The course includes extensive work on receptive and expressive use of ASL. It emphasizes the grammatical structure of ASL, particularly its morphology, syntax, and semantics. In addition to class sessions, students will use written and videotape materials out of class. Prerequisite: ASL 102. Cr 4

ASL 401 Advanced American Sign Language I
This is the fifth in a sequence of courses in American Sign Language. This course focuses on advanced expressive skills, including explaining, rephrasing, demonstrating, and persuading. Grammatical principles and functions will be emphasized. Aspects of grammar that will be expanded include classifiers, conditional sentences, rhetorical questions, and relative clauses. Appropriate cultural behaviors and conversational regulators in ASL will continue to be an important part of class. Prerequisite: grade of at least B in ASL 202 or equivalent, and a rating of 2 or better on ASLA or ASLPI. Cr 4

AST 100 Astronomy
A descriptive survey of modern astronomy. Topics include theories about the origin and development of the universe, stellar evolution, the solar system, galaxies, observational methods and recent discoveries. No prerequisite. Cr 3

AST 103 Activities and Experiments
A one-credit course meeting weekly for two hours. May be taken concurrently with AST 100 to fulfill requirements for a science laboratory experience. Includes exercises on the Moon's orbit, Earth's orbital motion, rotation of Saturn's rings, the Sun, the Crab Nebula, variable stars, pulsars, Hubble's law, and galaxies. Two planetarium sessions. Prerequisite: Prior or concurrent registration in AST 100. Cr 1

BIO 103 Introduction to Marine Biology
A course intended for the non-science major. Selected groups of marine plants and animals are used to develop an understanding of biological processes and principles that are basic to all forms of life in the sea. Integrated in the course are aspects of taxonomy, evolution, ecology, behavior, and physiology. Cr 3

BIO 104 Marine Biology Lab
An examination of prototype organisms will be used to illustrate their varied roles in the ocean. Prior or concurrent registration in BIO 103. Cr 1

BIO 105 Biological Principles I: Cellular Biology
This is an introduction to the scientific principles of molecular biology, cell biology, and genetics. Prerequisite: students must have fulfilled the University minimum proficiency requirements in writing and mathematics. 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 111 Human Anatomy and Physiology I
The course is the first semester of a two-semester sequence concerning the structure and function of the human body. The course focuses on the study of cell chemistry, cell physiology, tissues, integumentary system, skeletal system, muscle system, and nervous system. Prerequisite: satisfactory completion of minimum proficiency requirements. Cr 3

BIO 112 Practical Human Anatomy and Physiology I
Laboratory experiences illustrating concepts and principles introduced in BIO 111. The course will cover the following topics: metrics, language of anatomy, cell physiology, tissues, integumentary system, skeletal system, muscular system, and nervous system. Prerequisite: BIO 111 or concurrent. Cr 1.5

BIO 201 Genetics
A study of the organization, transmission and expression of genes and genomes.. Prerequisite: grade of C- or higher in BIO 105. Cr 3

BIO 231 Botany and Lab
A study of structure, function, development, reproduction, and environmental adaptations of representative non-vascular and vascular plants. Lecture three hours/week; one three-hour laboratory/week. Prerequisite: grade of C- or higher in BIO 107. Cr 4.5

BIO 281 Microbiology and Human Disease
Fundamentals of microbiology with emphasis on infectious diseases of people, including bacteria, rickettsia, fungi, viruses, protozoa and helminths. Prerequisites: grade of C- or higher in BIO 105 or BIO 111, and CHY 107. Cr 3

BIO 282 Microbiology and Human Disease Lab
Laboratory techniques in the cultivation, identification, and control of microorganisms. Prerequisite: BIO 281 or concurrently. This course does not fulfill the Area 3 requirement. Cr 2.

BIO 291 Ornithology
This course studies the basic biology of birds: their life histories, migration, ecology, and economic importance, with emphasis on species found in Eastern North America. Numerous field trips to a variety of habitats will be taken for purposes of field identification. Students are responsible for their own appropriate outdoor clothing and footwear and for binoculars. Prerequisite: a grade of C- or higher in BIO 107. Cr 4.5

BIO 305 Developmental Biology
An analysis of the cellular and molecular interactions leading to normal development. Prerequisite: grade of C- or higher in BIO 107. Cr 3

BIO 306 Developmental Biology Lab
This laboratory course is designed to illustrate principles of animal development introduced in BIO 305 using genetic, histochemical, and molecular analyses. Prerequisite: prior or concurrent registration in BIO 305. Cr 2

BIO 331 Ecological Principles
A scientific study of interactions determining the distribution and abundance of organisms. Prerequisite: grade of C- or higher in BIO 107. Cr 3

BIO 332 Neurobiology Lab
Field studies demonstrating basic concepts of ecology. Prerequisite: BIO 331 or concurrently. Cr 2

BIO 345 Pathophysiology
A study of the physiological, genetic, biochemical and environmental basis of noninfectious diseases. Prerequisite: grade of C- or higher in BIO 109 or BIO 211, or permission of instructor. Cr 3

BIO 408 Experimental Genetics
This course includes lectures and laboratory exercises in human and fruit fly genetics. This is not a companion course to BIO 201. Prerequisite: BIO 201 or concurrently. Cr 2

BIO 410 Cell and Molecular Biology Lab
A course in which the techniques of cell fractionation and biochemical analyses are applied to the eukaryotic cell. Prerequisite: BIO 409 or concurrently. Cr 2

BIO 421 Biology Seminar
Weekly oral reports and discussions by students and staff on biological topics of current interest. Prerequisite: 16 hours of biology. May be repeated. Cr 3

BIO 431 Principles of Immunology
An introduction to the fundamentals of immunology, especially as they relate to human diseases. Topics include history of immunology, basic elements of immune systems, principles of natural and acquired immunity, cellular and molecular basis of B cell and T cell development and diversity, and clinical aspects of immunology. Prerequisites: CHY 105 or CHY 115, junior standing, and grade of C- or higher in either BIO 109 or BIO 211. Cr 3

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 315 Sport Finance

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

BUS 318 Athletics Administration

This course is designed to introduce the student to the management issues faced by administrators within collegiate and high school athletics departments. Students will develop an understanding of issues such as governance, financial considerations, NCAA and conference compliance, gender equity and Title IX, conference membership issues and realignment, legislation, and reform. Prerequisite: BUS 311 or BUS 315.

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 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 361 International Market

This course addresses the critical marketing skills required for business survival in today's world economy. Students learn to apply global marketing and financial management concepts and techniques during a semester-long, simulated global market program. Students analyze and manage international product lines and adapt to cultural differences while working in a computer simulated global marketplace. Prerequisites: BUS 260 (C- or higher) and junior standing. Fall only. 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 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 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 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 4

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 233 Analytical Chemistry w/Lab

No description available. Cr 5

CHY 251 Organic Chemistry I

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

CHY 252 Organic Chemistry I Lab

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

CHY 373 Chemical Thermodynamics

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

CHY 374 Chemical Thermodynamics Lab

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

CHY 421 Inorganic Chemistry

Descriptive chemistry of the inorganic compounds, structure, bonding and ligand field theory. Prerequisite or corequisite: CHY 371.

CHY 461 Biochemistry

Application of chemical methods and principles to understanding biological processes. Topics include structure and action of nucleotides, proteins, lipids, and carbohydrates; enzyme kinetics and mechanisms; membranes and transport; and metabolism and energy conversion. This one-semester course provides a survey of the major areas of biochemistry, except for nucleic acids. Prerequisite: a grade of C or better in CHY 253. Cr 3

CHY 462 Biochemistry Lab

Basic experimental methods in modern biochemistry. Experiments include detecting,

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

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 291 The Golden Age of Greece

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

CMS 102 Introduction to Communication

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

CMS 103 Introduction to Media Studies

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

CMS 150 The Writing Process

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

CMS 200 Research Methods in Communication

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

CMS 202 Writing for Popular Print Media

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

CMS 220 Topics in Media Production I

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

CMS 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 272 Persuasion

A course designed to help students understand the basic principles of persuasion. The course deals with persuasion as a social phenomenon. The perspective from which the course is offered is the analysis of persuasion as a behavioral process. As such, the course will investigate the social science research that relates to persuasion. Students will examine the attempts made by others to persuade them, as well as the attempts they make to persuade others. Further, the course will deal with the issue of ethics in persuasion. Prerequisites: communication or media studies major, CMS 102 and CMS 103.

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 286 History of International Cinema to 1945

This course surveys the history of cinema from its emergence through World War II. It considers the development of Hollywood cinema in conversation with alternative approaches to filmmaking both within and outside the U.S. Paying close attention to film style, it also explores cinema’s economic, social, and technological history. Prerequisites: CMS 284. 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 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 320 Topics in Media Production II

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

CMS 323 Understanding Technology
This course will examine the relationship between media, technology, and society from a variety of perspectives and disciplines. Through readings and discussions students will develop an understanding of a variety of frameworks and theories that explain technological change and the fundamental relationship between humankind and technology. Prerequisites: communication or media studies major, CMS 102 and CMS 103 Cr 3

CMS 330 Theories of Interpersonal Communication
A study of the current thinking in interpersonal communication which emphasizes specific theories of human interaction. Students will be exposed to research in the interpersonal setting and will apply findings to their personal relationships. The course will help students foster effective traditional and nontraditional relationships with a variety of people. Prerequisites: communication or media studies major, CMS 102 and CMS 103. Cr 3

CMS 332 Communication in the Family
This course examines the role of communication in various family types. Students will be introduced to research and theory on the family and will apply findings to their own lives. Topics covered will include family satisfaction, communication rules, decision making, values, structures, autonomy, and conflict. Students will be asked to draw upon their family backgrounds for analysis and discussion. Prerequisites: communication or media studies major, CMS 102 and CMS 103. Cr 3

CMS 340 Field Video Production
This course is primarily concerned with the development of critical evaluation skills needed in assessing and analyzing the video medium as a communication vehicle. Students will engage in actual video production projects. Prerequisite: CMS 190 and CMS 191

CMS 341 Field Video Procution Lab
This lab will provide students with hands-on experience with digital video cameras, production equipment, and digital, non-linear editing software. Students must concurrently be enrolled in CMS 340. Prerequisite: CMS 190 and CMS 191. Cr 3.

CMS 345 Small Group Communication
This course is designed to familiarize students with the theories and techniques associated with group behavior. The course explores the topics of leadership, conflict resolution, group climate, and decision making. Through simulations and exercises students learn methods for analyzing group process and their own behavior. Students' findings are reported in preliminary and final papers. Prerequisites: communication or media studies major, CMS 102 and CMS 103. 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 400 Senior Project
This course offers graduating seniors in media studies an opportunity to complete a media portfolio (resume, sample media-related work, and reflective writing). Students are also required to complete a group media application project. Students will present their work to an audience of faculty and peers. Students will further develop career strategies by participating in workshops. Prerequisites: CMS 102, CMS 103, CMS 200, communication or media studies major and senior standing. Cr 3

CMS 484 Topics in Film
This course is a senior seminar designed to explore a particular topic in film communication. The professor designated to teach the course during any given semester will select an area of interest to explore with students. Such topics as film and society, women in film, and the silent cinema are areas that could be selected. Class sizes are limited in order for students to participate in discussion and contribute to the group's synergy. Prerequisites: CMS 102, CMS 103, CMS 284 and junior or senior standing in the communication or media studies major. Cr 3

CMS 495 Theories of Communication
This course is designed for upper-class students who are majoring or minoring in communication studies. Based on a seminar format, students in this course will explore in depth several advanced theories of communication, mechanistic through interactive, with examples and application for each. Prerequisites: CMS 102, CMS 103, CMS 200, communication major with a minimum of 90 credit hours. 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 284 Botanical Therapies
The use of medicinal plant remedies can offer a rich, effective, and safe addition to health care for a variety of common illnesses and conditions. With dramatic increase in use of herbal preparations, however, questions of effectiveness and safety arise for both health care consumers and their providers. This course will give the historical background on the use of medicinal plants in the U.S. and Europe, examine the current legal status of plant remedies and herbal practitioners, review the most commonly used botanical remedies available, and discuss the benefits and risks that attend the use of these and other medicinal plant preparations. Cr 3

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

CON 313 Health in Later Years
This course is designed for students from diverse fields who are interested in health and aging. The population of older adults in the United States is growing at a rate that is unprecedented in American history and no matter what your career path this growth will impact you. Knowledge about illness, medications, physical activity, nutrition, sexuality, health care delivery, and death and dying will be presented. Students will obtain essential information needed to provide effective care for aging clients, patients, loved ones, and themselves. Community experiences are required. 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 246 Programming topics
Topics to be covered may include programming languages not otherwise offered (e.g., Ada, Smalltalk), different programming methodologies (e.g., object-oriented programming), assembly languages, and other specific areas of programming. Prerequisite: COS 161 or permission of instructor. Cr 3

COS 280 Discrete Mathematics
Concepts of modern algebra, set theory, Boolean algebra, elements of graph theory, and their application to computer science. Prerequisites: MAT 145 and COS 160. Cr 4

COS 285 Data Structures
Basic abstract data types and their representations, fundamental algorithms, and algorithm analysis. Consideration is given to applications. Specific topics include linked structures, trees, searching and sorting, priority queues, graphs, and hashing. Course requirements include a substantial programming component. Typically offered only in the fall semester. Prerequisites: COS 161 and either of MAT 145 or MAT 152, or their equivalents. Cr 3

COS 360 Programming Languages
Examination of basic concepts and constructs of high-level languages via consideration of several representative languages. Topics include scope of declarations, binding time of constituents, type checking, and control

organization. Study of implementation methods for various programming language features. Study of the methods of formal specifications of programming languages: regular, context-free, and attribute grammars and operational semantics. Exposure to programming in languages that deviate from the imperative style such as Lisp and Prolog. Prerequisites: COS 250, COS 285. Cr 3

COS 452 Computer Graphics
A study of the techniques involved in computer graphics systems. Topics include: point-plotting and line drawing in two- and three-dimensional space; clipping and windowing; geometric modeling; algorithmic solutions to the hidden line and hidden surface problems. Typically offered once every two years. Prerequisite: COS 285. Cr 3

COS 470 Topics in Computer Science
Topics to be covered may include philosophy of computers, history of computers, computers and society, simulation, graphics, and other advanced topics. Prerequisite: COS 285 or permission of the instructor. Cr 3

COS 472 Artificial Intelligence and Data Mining
An introduction to the underlying concepts and applications of intelligent systems. Topics include heuristic search techniques, pattern matching, rule-based systems, computer representations of knowledge, and machine learning and data mining techniques. Course work includes regular labs and larger projects. Students will learn to conduct research in artificial intelligence and will complete a modest research project. Typically offered once every two years. Prerequisite: COS 350 or permission of instructor. Cr 3

COS 478 Advanced Java Technology
The goal of this course is to provide an in-depth study of the most important and the more advanced components of the Java technology. The course covers topics such as concurrent object-oriented programming in Java, Java Core Reflection, the underlying virtual platform (the Java Virtual Machine), genericity (parametric polymorphism), persistence, and assertions. Programming assignments include concurrent programming, programming with parametric collection types, dynamic loading and compilation, usage of the Java reflective capabilities, and usage of persistent capabilities available in Java and in its extensions. The outcome of this course is a high-level of professional expertise in the overall Java technology. Prerequisite: COS 360.

COS 495 Advanced Web
The focus of communication over the Internet is shifting to computer-to-computer interaction. Standards for this interaction (ebXML, SOAP, WSFL) are now in place and maturing, and commercial use is exploding. We will survey these standards and evaluate their security, efficiency, and completeness. We will construct several case studies, including Web-based commerce. As a team, we will acquire and learn how to use available tooling, and we will put together working Web services and test their ability to interact with each other. Prerequisites: COS 285 and junior standing.

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

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

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

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

CRM 334 Law And State
This course explores the relationship between the United States's social welfare policies and contemporary crime control problems and practices. It includes an examination of the United States's residual welfare state, theories on social welfare development, and the Nordic model of crime prevention, which is based on the premise that crime can be reduced through social policies designed to lessen structural inequalities. Prerequisite: CRM 100 or permission. Cr 3

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

CRM 370 Reflexive Criminology
A reflexive approach to criminology examining criminological theories and perspectives as cultural and ideological products. Using cross-cultural and historical comparisons, the course analyzes the conditions under which "criminology" is produced. We also explore the connections between the product of the "criminology industry" and the reproduction of broader cultural and ideological patterns. Prerequisite: CRM 100 or permission. 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 106 Economics of Social Change
Students will explore connections among major socioeconomic transformations (e.g., the spread of market relations, industrialization, and new technologies), massive movements of people (from countryside to city, from one nation to another), the resulting clash of cultures, and the social construction of human worth. Students will analyze debates over social policy, economic performance - and the relative standards of living. Prerequisites: none. This course will satisfy a second-tier

Socio-Cultural Analysis Core curriculum requirement. Cr 3

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

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

ECO 312 U.S. Economic Policy
This course examines currently perceived problems of the U.S. economy. A range of views of these problems and associated policy proposals are considered including: free market, traditional monetary and fiscal, as well as new policy approaches. Prerequisites: any 100-level ECO course.

ECO 321 Understanding Contemporary Capitalism
This course analyzes the character and dynamics of leading contemporary capitalist economies, emphasizing historical, comparative, and institutional perspectives. These perspectives are used to address a wide range of contemporary economic issues, including national R&D policy, financial regulation, public and private human resource investments, and organizational strategies. Prerequisites: any 100-level ECO course or instructor permission.

ECO 327 Natural Resource Economics
In this course, we will consider the economic aspects of natural resource management and use, including the economically sustainable management of fisheries, forests, water resources, and biodiversity, with applications to Maine and beyond. We will investigate the implications of public policy responses such as regulations, marketable permits, and tax incentives. Prerequisite: ECO 102 or instructor permission. Cr 3.

ECO 333 Economics and Happiness
Presents the limited relationship between economic well-being and happiness. Students will learn differing assessments and determinants of happiness as presented by economists, psychologists, and neuroscientists. In addition, they will examine the influence of ethics, altruism, and cooperation on well-being and will conclude by examining policy implications. Prerequisite: ECO 101 or ECO 102 or instructor permission. Cr 3.

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 320 applied Skills in Teaching & Learning
This course is a seminar with a school-based practicum and is the fifth in a series designed to integrate liberal arts study, educational pedagogy, and school field experiences. This course builds upon the principles of teaching and learning and supports students in examining the relationship between theory and practice through observation, interaction with students, teaching a lesson, analyzing student work and reflecting upon their practice. Prerequisite: open to matriculated students in the TEAMS, CLASS, and secondary mathematics education programs who have completed EDU 200, CPI 211I, and EDU 220, or who have special permission. Cr 3

EDU 321 Applied Skills Field Experience
This course supports students in examining the relationship between theory and practice through observation of and interaction with K-8 public school students and teachers. This field experience is designed to develop in students a basic understanding of fostering a positive classroom environment and instructional planning and assessment. Prerequisite: open to matriculated students in TEAMS, the Secondary Mathematics Education TED Pathway, the Modern and Classical Languages and Literature (MCLL) Education TED Pathway, or by Teacher Education Department (TED) permission. Co-requisite: EDU 320. Cr 1

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 186 Engineering Tools: MathLab
No description available. 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 216 Circuits I: Steady-State Analysis
An examination of fundamental circuit laws and theorems, network analysis, physical properties and modeling of resistors, inductors, and capacitors. Sinusoidal steady-state operation, phasors, impedance, power, three-phase systems, and the ideal transformer. The course also covers the operation of meters, oscilloscopes, power supplies, and signal generators. Prerequisites: MAT 153, PHY 123. Lecture 3 hrs., Lab. 2 hrs. Cr 4

ELE 314 Linear Signals and Systems
Introduction to the theory of linear signals and systems. Linear time-invariant system properties and representations; differential and difference equations; convolution; Fourier analysis; Laplace and Z transforms. Selected topics in sampling, filter design, digital signal processing, and modulation. Prerequisite: ELE 217. Lecture 3 hrs., Lab 2 hrs. Cr 4

ELE 323 Electromechanical Energy Conversion
Basic concepts of magnetic circuits and transformers. Three-phase system and power transmission. Conversion between electrical and mechanical energy through magnetic fields. Study of direct current motors and generators. Study of alternating current machines: induction motors, synchronous machines, and single-phase motors. Prerequisite: ELE 217. Lecture 3 hrs., Lab. 2 hrs. Cr 4

ELE 327 Energy and Power Systems
Alternative energy sources for power generation. Polyphase systems, symmetrical components, power transformers, transmission lines, power flow, fault analysis, power system controls. Electrical engineering elective. Corequisite: ELE 323. Lecture 3 hrs., Lab. 1 hr. 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 145 Literature and History
This course emphasizes oral and written analysis and interpretation of literary and other cultural texts within and across historical contexts. Though topics vary, each provides a broad introduction to the concepts of literary history and periodization as these are understood within the discipline and familiarizes students with the basic terms and methods of literary analysis. Every semester. 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 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 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 309 Newswriting
This course covers the basics of news-story writing for the print media with intensive practice in news gathering, background research, interviewing, covering a beat, covering social and political issues, and consideration of ethical and legal issues related to American journalism. Every fall. Cr.3

ENG 315 Ancient Literature
The course will vary between being focused on Greek and Roman literature and on literatures outside the Mediterranean/Aegean ancient world. 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 325 Epic and Romance

This course will focus on the emergence and development of Epic and Romance. Possible topics include the Epic, Arthurian Romance, and Medieval Epic and Romance. The course may be repeated for credit when topics vary. Students should consult the Department's Course Guide for detailed descriptions. 2-year cycle, fall. Cr 3

ENG 326 Studies in International Literature Since 1900

Literature since 1900 has become increasingly international especially because of expanded availability of translated texts. This course explores topics in literature that are international in scope whether through specific influences or in response to historical, philosophical, political, and aesthetic developments. Although the range and focus of the course will vary, topics will include studies in Commonwealth and European literatures as well as literatures of specific regions such as Africa, the Caribbean, South America. May be repeated for credit when topics vary. Students should consult the Department's Course Guide for detailed descriptions. Cr 3

ENG 341 Contemporary Critical Theories

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

ENG 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 346 Language, Literature and the Politics of Identity in Contemporary Ireland

An examination of the relations among literature, language and the politics of identity in Ireland today. Readings will include political, historical, and cultural materials from various communities of discourse competing to shape Irish identity for the twenty-first century, including traditional republicanism and unionism, new nationalism, historical revisionism, feminism, and consumer capitalism. 2-year cycle, spring. 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 360 Shakespeare

ENG 360 and 361 each feature close reading of five to seven Shakespearean plays, and focus attention both on theatrical and philosophical meanings. Both courses include tragedies and comedies; neither is

introductory nor prerequisite to the other. ENG 360 often includes a section on Shakespeare's history plays, while ENG 361 includes a section on Shakespeare's "romances." Every semester. Cr 3

ENG 366 Studies in the Restoration and Eighteenth Century

More specialized than ENG 365, this course offers the opportunity for intensive focus upon a single genre, author, issue, or historical moment to be determined by the instructor. Typical topics include satire and the politics of "wit," the cult of sensibility, theater and anti-theatricality, the eighteenth-century long poem, and seduction and the scandalous memoir. May be repeated for credit when topics vary. Students should consult the Department's Course Guide for detailed descriptions. Cr 3.

ENG 382 The Earlier American Novel

The American novel to 1900 with attention to historical context, generic development, and thematic connections between texts. The course may include various types of novels, such as epistolary, gothic, romance, domestic, and realist, as well as canonical and non-canonical writers. Critical and theoretical texts may accompany literary readings. 2-year cycle, fall. 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 150 Environmental Science Field Immersion Session

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

ESP 197 Research Skills Lab

No description available. Cr 1

ESP 223 Nature-based Tourism

No description available. 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 280 Research and Analytical Methods

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

ESP 305 Community Planning Workshop

This online course provides a practical approach to local community planning problems. Students will conduct field work to explore community decision-making processes regarding the use of natural, social and economic resources. Basic planning concepts are refined and applied to real-world problems in a collaborative manner. Prerequisites: ESP 101/ 102, and GEO 209 or ESP 200, or permission of instructor. Cr 3

ESP 311 Energy Efficiency/ Renewable Energy I

This course provides students with an understanding of how to identify opportunities for energy savings and renewable energy at the residential building level. The course blends in class and on-line lectures with group exercises of an applied nature. The course culminates with a student driven case study of a completed energy project in Maine. Prerequisite ESP 275, or permission of instructor. Cr 3

ESP 327 Natural Resource Economics

In this course, we will consider the economic aspects of natural resource management and use, including the economically sustainable management of fisheries, forests, water resources, and biodiversity, with applications to Maine and beyond. We will investigate the implications of public policy responses such as regulations, marketable permits, and tax incentives. Prerequisite: ECO 102 or instructor permission. Cr 3

ESP 340 Environmental Regulations

This online course is an intensive introduction to the federal and Maine environmental regulatory structure. This course is designed to provide basic competency in the knowledge and application in the environmental field. Topics include air, surface water, drinking water, worker protection, spill reporting, and hazardous and solid waste. Prerequisites: ESP 101/102 and ESP 203 or permission of instructor. Cr 3

ESP 341 Limnology

The study of inland waters with emphasis on the identification and ecology of aquatic organisms. This course meets on Fridays to allow time for extended field trips to local streams and lakes. Students will conduct independent research projects as part of the course. Prerequisites: BIO 105/106 or ESP 101/102 or ESP 125/126, and CHY 113/114 or permission of instructor. Cr 5

ESP 375 Environmental Risk Assessment and Management

The focus of this course is to provide students with a competency in quantitative human health risk assessment-an organized, multidisciplinary approach to evaluating scientific data by studying basic toxicology, and fate and transport of contaminants using generally accepted principles and terminology used in the field. Students will examine the limitations of current risk assessment methods and be introduced to the basics of public and community health. Finally, students will study the scientific, political, social, ethical, and economic dimensions of managing risks. Prerequisites: ESP 101/102, ESP 203, or permission of instructor. Cr 3

ESP 413 Forest Ecology

This course provides students with an understanding of what constitutes a healthy forest ecosystem and a sustainable forest environment. Special emphasis is placed on the function, spatial variability, evolution of forest ecosystems, and the need for forest ecology as the foundation of forest management. The laboratory session is field intensive. Prerequisites: ESP 125/126 or permission of instructor. Cr 4

ESP 470 Solid Waste Planning & Policy

An examination of traditional and innovative policy approaches involved in managing municipal solid waste. Includes identifying capacity, siting locations, transportation, and economic needs for management strategies (e.g., recycling, reuse, composting). Students will work a local solid waste planning project to identify cost-effective approaches to reducing disposal. Prerequisites: College Writing and Quantitative Reasoning. Cr 3

EYE 102 Sustainability, culture, and Environment

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

EYE 105 Life is a Matrix

Contrary to our assumptions, we do use mathematics in everyday life: we calculate personal benefits when deciding who to vote for, we consider proportions when drawing, cooking, and calculating drug dosage, to name a few examples. Mathematics is integral to our lives. This introductory seminar will use first hand examples from the social sciences, the arts, humanities and natural sciences to demonstrate how pervasive mathematics is in our lives. This course is a great opportunity for students to see the applications of mathematics in their daily lives. 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 109 Gender, Representation, Resistance
Femininity and masculinity mean different things to different people. Why? This course will examine the fundamental impact of gender on human activity (artistic, scientific, religious, economic, political, legal, and linguistic). Drawing on many disciplines we will explore constructions of gender in many cultures and throughout history. Some of the questions on which we'll focus include: What is gender? How is gender practiced and represented historically and cross-culturally? How have people redefined and altered its representations and meanings? How do social institutions distribute power, resources, and status based on gender? How do the mass media, education, and political discourse shape gender constructions? How have gender resistance and transgression changed accepted gender practices and representations? 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 113 Pleasure of Eating/ Animals
What do the "experts" say about what we should/shouldn't eat, and how do we know when to believe them? Should we be eating meat or not? If not, why not? Should our food be grown conventionally, organically, industrially? What does "sustainable" agriculture mean? In this course we will examine various claims about farming and diet and attempt to evaluate these claims as lay persons, which, we will discover, is not easy. By looking at popular writings, cookbooks, articles, websites, and films, we can try to make sense of the many claims and counterclaims. We can consult experts and visit those who work in the food industry. Ultimately, we will find it's usually not what goes into the mouth that's the problem, but what comes out of the mouth. Cr 3

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

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

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

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

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 130 Discovering the Business of Sport
No description available. 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 326 Financial Modeling
Introduces principles and techniques for building and implementing financial models. Topics are drawn from a variety of areas: financial planning, investments, derivatives, and corporate finance. The course emphasizes the application of financial modeling techniques in identifying and implementing business solutions. The course will be of special interest to students seeking hands-on experience constructing financial models. Prerequisites: FIN 320 (C or higher) and junior standing. Fall only. Cr 3

FIN 330 International Financial Management
This course focuses upon financial management of the multinational corporation with assets domiciled abroad. The financial dimensions of multinationals require extensive knowledge of how to manage foreign exchange-denominated assets and liabilities and how to borrow money and issue stock in foreign countries. Thus, a basic overview of foreign exchange theory, balance of payments adjustment mechanisms, and international trade theory is provided. Other topics include: international import and export financing, international working capital management, multinational capital budgeting, and international cost of capital. Prerequisites: FIN 320 (C or higher) and junior standing. Cr 3

FRE 101 Beginning French I
This beginner's course in French stresses the acquisition of cultural information and introduces the student to the four skills of language learning: listening comprehension, speaking, reading and writing. This course requires additional work with coordinated language CDs and/or MP3 files. Opportunity for practice with dyds and computer exercises is available. Cr 4

FRE 201 Intermediate French I
Review of grammatical structures with further development of listening comprehension, speaking, reading and writing skills. The emphasis will be on understanding cultures and contemporary life of French-speaking countries through reading and discussion. This course requires additional work with coordinated language CDs or MP3 files. Opportunity for practice with dyds and computer exercises is available. May count for credit toward the French major. Prerequisites: FRE 102, or FRE 103, or FRE 107, two years of high school French or the equivalent or instructor's permission. Cr 4

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

FRE 303 Theme et Version
In this course, students will learn techniques and the art of translation through an analysis of the major linguistic and cultural differences between French and English. Translations will be done from French into English and from English into French. Prerequisite: FRE 202I or 207I, or permission

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 102 Physical Geography
This course examines the physical processes of the environment as they relate to human endeavors. Climate, soil, vegetation, land form, water, and mineral resources are among the topics covered. Laboratory exercises acquaint the student with the materials and methods of physical geography. Climate data, topographic maps and field observations are employed to solve practical problems of human interaction with the environment. Cr 4

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

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

GEO 207 Maps: Making Sense of the World
An international history of maps and spatial knowledge, this course explores the many ways in which different cultures have made and used maps to variously comprehend, organize, control, and change the world and its parts. Cr 3

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

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

GEO 408 GIS Application II
Students explore the use of geographical information systems (GIS) in research and professional environments. Building upon knowledge and skills developed in GEO 308, students design and execute a substantial project. Project design focuses on generating hypotheses, planning time lines and individual work assignments, and identifying technical and data resources. Projected execution is undertaken using a variety of raster, vector, and graphical user interface (GUI) software, as appropriate. Prerequisite: GEO 308 or permission of instructor. Cr 4

GER 101 Beginning German I
This beginner's course in German stresses the acquisition of cultural information and introduces the student to the four skills of language learning: listening comprehension, speaking, reading, and writing. In conjunction with class meetings, additional work is required using language lab resources. Opportunity for practice with videotapes and computer exercises is available. Cr 4

GER 201 Intermediate German I
Review of grammar. Further development of listening comprehension, speaking and reading skills. Emphasis on understanding German culture and contemporary life through reading and discussion of short stories, articles and essays. Students are encouraged to also register for laboratory

practice (one more credit). Prerequisite: GER 102, two years of high school German or the equivalent. Cr 4

GEY 100 Volcanoes, Earthquakes, and Moving Plates
An introduction to minerals, rocks, and the processes that have continually shaped the earth over hundreds of millions of years of geologic history. The course also explores how the movements of crustal plates generates earthquakes, volcanoes, continental rifting, sea floor spreading, subduction, and continental-scale mountain ranges. For K credit, registration in one of the following: GEY 101, GEY 102, or GEY 106 is required; concurrent registration is recommended. Cr 3

GEY 101 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 202 Landscape Evolution and Analysis
Students will consider landscapes and the processes that are responsible for their formation. Emphasis will be on the constructive processes of mountain-building and volcanism and the erosional processes of rivers, glaciers, the sea, and wind. There will be one or two weekend field trips. Two hours lecture, two hours lab. Prerequisite: Any GEY 100-level lecture with lab or permission of instructor. Cr 4

GEY 204 Crustal Deformation
The crustal rocks exposed in coastal Maine are examined. Students learn to recognize, describe, and interpret a wide variety of outcrop-scale structures. In weekly field-based labs, students will use Brunton compasses, manual and digital stereonetts, outcrop mapping techniques, GPS and clay deformation devices to analyze the local geologic structure and tectonic history. Prerequisite: completion of a 100-level geoscience lecture and lab. Three hours lecture and four hours lab. Cr 5

GEY 207 Atmosphere: Science, Climate and Change
Students will be introduced to the physical and chemical processes active in the earth's atmosphere. Specific topics include

atmospheric circulation, atmospheric chemistry, climate patterns, storms, natural atmospheric change in recent geologic time, human-induced atmospheric change, and atmospheric pollution. Prerequisite: CHY 113. Cr 3

GEY 303 Igneous and Metamorphic Rock Origins and Lab

An introduction to the diversity and global distribution of igneous and metamorphic rocks. Students will examine the physical conditions and environments where igneous and metamorphic rocks form. Such environments include mid-ocean ridges, island arcs, convergent margins, and intraplate settings. Topics include: styles of volcanic eruptions, intrusive igneous rocks, regional metamorphism, and metamorphic belts. Labs will cover rock identification, computer exercises, and petrographic microscopy. Three hours lecture, three hours lab. The lab and lecture will occasionally be combined into half or full day field trips. Additionally, one weekend field trip will be offered. Prerequisite: GEY 203, Cr 4.5

GRE 101 Beginning Greek I
Fundamentals of classical Greek. Emphasis upon acquisition of reading knowledge. Cr 4

HON 100 Writing in Honors
No description available. 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 207 Illuminated Autobiography
An introduction to two creative processes – the visual and the literary – the course explores the means (shared, specialized, and complementary) by which they communicate thematic content, and the transformation through which subjective discovery becomes accessible form. Students will develop a control of structural elements within and between the two disciplines sufficient to write, illustrate, design, and publish a limited autobiographical narrative. Cr 3

HON 299 Honors Topics
A different seminar on a topic of contemporary debate will be offered at least once a year. The seminars will normally focus on issues involving multicultural perspectives. Cr 3

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 311 Honors Thesis I: Workshop
Each Honors student will plan and carry out a major thesis project as the final stage of Honors work. This workshop course will acquaint students with research proposal development for the project and assist them in the design and evaluation of project outlines. It will involve both group meetings and individual work with the student's project mentors. Cr 3

HON 321 Honors Directed Research
This optional course allows an Honors student with interests in a particular subject area to do research in that area under the direction of a faculty supervisor. The research may be carried out in any subject area, with the approval of the director. Cr 1-3

HRD 110 Choices, Changes, and Careers
The focus of this course is on self and career exploration and the critical role of personal decision making in identifying and pursuing fields of interest. Students will learn to understand their own decision-making process and the factors that influence this process. Course activities will include assessments of self, assessments of interest, and explorations of the world of work. Throughout the course, students will be introduced to available resources and support systems and be engaged in activities that will help them become involved in the University community. Prerequisite: fewer than 45 earned credit hours. Cr 3

HRD 200 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

HTY 101 Western Civilization I
A basic survey and introduction to the heritage of Western society from ancient to early-modern times. Particular attention is given to the ancient civilizations of Egypt, Greece and Rome. Medieval civilization is explored with a focus on the institutions it bequeathed to the modern world. The Renaissance and Reformation and the rise of the great nation-states are studied. Throughout the course important individuals are considered such as Alexander the Great, Caesar, Charlemagne, Michelangelo, and Elizabeth I. The course also introduces students to historical method. Cr 3

HTY 102 Western Civilization II
A basic survey and introduction to the heritage of Western society from early modern times to the atomic age. Particular attention is given to the Enlightenment, the French Revolution, the rise of the industrial era, the growth of nationalism, and the World Wars. Personalities such as those of Napoleon, Hitler, and Stalin are studied. The course also introduces students to historical method. Cr 3

HTY 121 United States History to 1800
A thematic treatment of the formative period of early American history from the era of European colonial expansion to the so-called Revolution of 1800. Political, social, economic, intellectual, and institutional development provides a context for addressing the peoples, personalities, and events of the colonial and early national stages of growth of the United States and its relations with the larger world. Cr 3

HTY 122 United States History 1800 to 1900
A thematic treatment of the nineteenth-century United States and its peoples. Chronological coverage of the nation's political, social, economic, intellectual, and institutional development provides the context for addressing the personalities and events of the country and its relations with the larger world. Cr 3

HTY 123 United States History since 1900
A continuation of the treatment of the American people and nation extends coverage of political, social, economic, intellectual, institutional, and diplomatic development through the twentieth century. The events, issues, and peoples of the modern nation and their relation to the larger world are covered within the country's increasing international involvement. Cr 3

HTY 141 African American History to 1865
Topics covered in this survey course include the persistence of African culture in the Americas, the Atlantic slave trade, an in-depth analysis of slavery as it impacted women and children, and the early African American voice as found in primary sources. The course will use various forms of media in instruction and research. Cr 3

HTY 171 Traditional East Asia
The history and culture of China and Japan from earliest times to about 1700, with emphasis on the composition of the "traditional" societies. Cr 3

HTY 181 Latin America I
This survey outlines the nature of the pre-Columbian Indian civilizations, their conquest by the European powers and the creation of the Hispanic and Portuguese empires in America. 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 300 History Internship
Professional experience in one of a variety of positions in public and private institutions that utilizes the knowledge and research skills of historians. Students work one day per week, keep a journal, write an evaluation, and are visited on the job by a faculty member. Open to selected students; see Department chair for details. Graded pass/fail, so does not count for major credit. Can be taken twice. Cr 3

HTY 305 The Historical Jesus
This course is a "workshop" wherein the participants analyze and evaluate a variety of documents (both ancient and modern) which purport to describe the life and career of Jesus of Nazareth. The goal is to develop historiographical skills (including writing) as well as to illuminate the subject's life. Cr 3

HTY 316 French Revolution and Napoleon
The course takes the French Revolution as a climax of major intellectual, political, and social trends in eighteenth-century Europe. Thorough coverage is given to the Old Regime, the Enlightenment and the influence of the American Revolution. There is in-depth analysis of the coming, course and outcome of the French Revolution itself, and its impact outside France. The Napoleonic era is handled as the culminating phase of the revolution and as a major influence on nineteenth-century Europe. Prerequisite: HTY 102 or permission. Cr 3

HTY 351 Colonial America
The first half of the semester is devoted to the discovery, exploration and colonization of the American colonies. The second half concentrates on the social and political development of these colonies, touching upon various aspects of colonial life and emphasizing the growing maturation of society. Prerequisite: HTY 121 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 364 History of Women in the United States
A chronological survey of the evolving role of women in the development of the United States from the colonial period to the present. Cr 3

HTY 374 Photographing American History
This course focuses on how the invention of photography in 1839 forever altered the ways humans understood and made sense of both their past(s) and their present(s). Students analyze major historical events and moments in American history as captured through a camera, learn to read photographs as texts, and explore how the photograph has shaped American history and culture. Prerequisite: ENG 100. HTY 122 or HTY 123 recommended but not required. Cr 3

HTY 390 Traditional Japan: Court and Warriors
This course examines Japanese history before 1800. The primary focus will be on major political and social trends that led to the transformation of state and society. Attention will also be given to religious beliefs, rituals, art, and literature. Prerequisite: HTY 171 recommended. Cr 3

HTY 394 Selected Topics in History
An analysis of a selected historical problem not already covered by regular course offerings in history will be offered. The course may be repeated for credit when different topics are offered. (Offered occasionally.) Cr 3

HUM 105 Basic Photography
This course is an introduction to black and white photography, designed to help students gain understanding through "hands-on" photographic work. Lectures include classroom discussions concerning the history and aesthetics of photography, and techniques include camera and lens functions, exposure methods, basic black and white film processing, printmaking, print finishing, and presentation techniques. Cr 3

HUM 290 Thinking and Writing/Writing and Healing
Writing can be an experiential and subjective process that influences identity, births thought, and facilitates healing. Students will learn and practice exploratory writing in class

as a form of self-analysis as well as investigate the research on how writing about chronic illnesses or traumatic events can reduce symptoms. Prerequisites: College Writing (LCC 110/111) with a C or better. Cr 3

HUM 303 Cross Cultural Perspectives on Non-Western Art
This course surveys the visual arts of non-western cultures, most especially from Africa, Asia, and Australia. It evaluates numerous theories trying to make sense of non-western forms of visual, symbolic, and political expression; unpacks the term "primitive Art"; delves into the history of western interest in these media; and debates whether they are "art" in a Western sense. Prerequisites: College Writing (LCC 110/111) and Critical Thinking (LCC 200) with a C or better. Cr 3

HUM 316 New Digital Media Literacies: Self-Fashioning and Critiquing Information
Students investigate, critique, and engage in a range of experiments to discover how new media radically change both thinking and language, as visual material, writing, and technology interplay online to form new, hybridic modes of reading and writing, teaching and learning. Drawing from such diverse fields as literature, geography, and education, areas covered include digital Shakespeare, the internet as a utopia, and a video game field study to explore multi-modal thinking. Prerequisites: College Writing (LCC 110/111) and Critical Thinking (LCC 200) with a C or better. Cr 3

HUM 325 World History and Geography I
This is the first in a series of two courses that are designed to help students develop an understanding of and an appreciation for world history and geography. The course's goal is to provide students with a humanistic background from which to better comprehend global complexities. This course will cover the period from prehistory to the age of modern expansion, from about 50,000 to 500 years ago. Cr 3

HUM 335 working with Writers
This one-credit course provides training for Writing Assistants who work at the LAC Writing Center. Topics covered include basic composition theory, the Writing Center as a workplace, tutoring in digital formats, helping writers across the curriculum, and communication skills. The course prepares Writing Assistants for CRLA (College Reading and Learning Association) certification. The course may be taken three times (to align with the three levels of CRLA certification). Permission of instructor required. Cr 1

HUM 365 Psychology of Dreams
No description available. 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 413 Job Search Skills for the 21st Century
In this final course in the career development series, students assume active agency in career planning through learning how to market themselves to prospective employers. They learn to create and use the tools needed for career placement, such as cover letters, resumes, and interviews. Prerequisite: HUM/LOS/SBS/SCI 369. Offered fall, spring, summer. Cr 1.5

HUM 447 Internship
This online course provides students the opportunity to work in their chosen field to evaluate their interest and acquire basic skills needed to market themselves effectively. Students participate in an online seminar in which they learn about and reflect on workplace issues. Students wishing to take more than 3 credit hours must have permission from their faculty advisors. Prerequisite: HUM/LOS/SBS/SCI 413. Offered fall, spring, summer. Cr 3-6

ITA 101 Beginning Italian I
No description available. Cr 4

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

ITC 341 Construction Documents I
This course will present the value and importance of how construction documents define the rights of, responsibilities of, and relationships among all the parties that are necessary for the successful completion of any project. The architect/engineer (A/E), the contractor(s), and all other project participants must work within guidelines for a successful project conception through design and construction to facility management. Investigation into various documents, agreements, and conditions of contracts will be addressed. The importance of standardized document format will be emphasized. Prerequisite: ITC 100 or instructor permission. Cr 3

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

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

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

ITP 250 Management Information Systems
No description available. 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 310 Facility Planning
A study of facility and workplace design. Emphasis will be on efficient layout and material flow through manufacturing, warehousing, and service facilities with attention given to the resulting impacts on product and process quality and environmental factors. Cr 3

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

techniques. Prerequisite: basic math competency. Cr 3

ITP 340 Fundamentals of Quality
An overview addressing fundamental concepts and principles of quality control applied to manufacturing and service sector industries. Major topics include theory and application of qualitative and quantitative tools and techniques as well as quality awards and standards. Specific topics include foundations of quality, planning tools, traditional tools, variability, process set-up verification, pre-control, SPC process capability analysis, acceptance sampling, and quality awards. The methodology, materials, and processes associated with solving problems, and working in teams to improve quality will be the primary focus of the course. Prerequisite: MAT 120 or Instructor permission. Cr 3

ITP 350 Teambuilding and Facilitation
This course will expose students to a variety of topics related to teambuilding, conflict resolution, and the facilitation of meetings. Teambuilding topics include team types and functions, roles, and responsibilities of team members, stages of team development, and common team dynamics. Conflict resolution topics include acknowledging that conflicts will arise in personal and professional settings, understanding the positive and negative roles and manifestations of conflict, techniques for embracing conflict, establishing boundaries for conflict in professional settings and meetings, and setting standards for professional and ethical responsibility when conflicts arise. Meeting facilitation topics include understanding the role of a meeting facilitator, identifying and understanding behavior and participation during meetings, meeting preparation, and meeting documentation. Cr 3

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

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

ITT 221 Power and Energy Processing
A technical investigation into energy converters and transactional power systems. Course emphasis is on mechanical and electrical power transmission systems and

their applications to modern technology and industrial equipment. Cr 3

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

ITT 270 Introduction to Computer Hardware
The goal of this course is to introduce the hardware components, and their respective functions, of microcomputer systems. Activities address the specification, assembly, upgrading, and maintenance of microcomputers. Assignments may include readings of articles and Web-based documents, discussions, tours, and hands-on activities dealing with microcomputer hardware. A basic proficiency with personal computers is assumed. Cr 3

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

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

ITT 282 Computer-Aided Design
An introduction to computer-aided design systems and their relationship to design, drafting, production, and documentation processes. Emphasis is on understanding and utilizing computer-aided design (CAD) hardware and software. The course focuses on basic 2D and 3D functions as they generally apply to computer-aided design applications. Lecture and lab. Prerequisites: computer proficiency and interpretation of technical drawings. Prerequisite: ITT 181 or instructor permission. Cr 3

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

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

permission. Offered spring semester only. Lecture and lab 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 185 Portfolio Development Seminar
This is a blended course meeting 50% or more online. The on-campus meetings are TBA. Cr 3

LAC 318 Database Management
This course introduces skills and builds proficiency in database management. It is taught on PC computers using the latest version of Microsoft Access and is designed to help students develop competencies in a variety of database processing functions. Students become proficient in setting up databases, managing data, creating reports, using report enhancements, and manipulating data. Prerequisite: LAC 150 or equivalent. Cr 3

LAE 199 Early Childhood Education
No description available. Cr 3

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

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

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

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

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

LAT 470 Independent Study in Latin
No description available. Cr 3-6

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

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

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

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

LCC 230 Environmental Science, Policy, & Sustainability with Lab
This course presents a multidisciplinary survey of the scientific principles underlying energy utilization, nutrient cycles, global

warming, population, and natural resource policy and management. The lectures will be comprised of Socratic interactions and group discussions relating regional, national, and global components that encompass ecology, economics, politics, and social endeavors. This course includes a laboratory involving field and lab work and service learning efforts. Cr 4

LCC 250 Thinking about the Arts, Thinking through the Arts
This course explores the tools and strategies important in the interpretation of literature and the arts and encourages an appreciation of the role of literature and the arts in social, political, and cultural life. It promotes understanding of and appreciation for the creative expression of shared cultural beliefs in various historical periods of cultures around the world and examines literature and the arts as potential critiques of culture. Co-curricular opportunities are included, especially in connection or conjunction with the Atrium Gallery. Cr 3

LCC 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 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 105 Contrastive Analysis: ASL and English
This course examines the major linguistic features of ASL and English. Students will gain an understanding of the basic similarities and differences in morphology, phonology, syntax, semantics and pragmatics, as well as the values, beliefs, and norms of the Deaf and non-Deaf communities. Some knowledge of ASL is recommended, but not required. Cr 3

LIN 185 Language, Mind, and Society
This course approaches language as a biological and psychological phenomenon central to an adequate understanding of human nature. It deals with linguistic questions concerning the grammars of natural languages and how these may vary across cultures and across time, but also with questions about how the human mind and brain both provide for and constrain linguistic ability. The course also addresses questions about how language develops in the child, how it deteriorates under the influence of disease and injury, how it evolved in the history of the species, and what functions it plays in human life. The course does not assume any background in linguistics or foreign languages. Cr 3

LIN 211 Anatomy and Physiology of the Speech and Hearing Mechanism
The basic principles of the structure and function of the neuromuscular mechanism necessary for spoken language will be presented. These include six major topics: respiration, phonation, articulation, resonance, the nervous system, and the

auditory system. Mastering these fundamentals will enable students to better understand normal and pathological processes involved in the production and reception of speech. Prerequisite: grade of at least B in LIN 185 or permission of instructor. Cr 3

LIN 236 Not Yet Ready for Prime Time Interpreter
This course is designed to provide a safe and systematic way for students in the ASL/English Interpreting Concentration to gain experience in the actual practice of interpreting. Students will practice interpreting at community events as members of a team that will include trained consumers acting in a mentorship role. This course is a one-credit pass/fail offering and may be repeated for credit. Prerequisites: LIN 331 and instructor permission. Cr 1

LIN 310 Signs of Language in the Brain
This course looks at language as a capacity of the human brain. Models of language breakdown for spoken languages are reviewed, and the remainder of the course focuses upon signed language aphasia, the effects of Parkinson's disease on articulation and motor planning, and how spatial and attentional deficits caused by right hemisphere damage affect the processing and production of signing. Prerequisite: LIN 185. Cr 3

LIN 311 Phonetics
An introduction to speech sounds, covering the basic elements of articulatory and acoustic phonetics and of speech perception. The course also reviews the process by which infants come to be competent at perceiving and producing the sounds of their native language. Topics discussed will also include the contributions of selected brain regions to the use of sounds and the cross-linguistic variation in sounds. Prerequisite: grade of at least B in LIN 185. Cr 3

LIN 313 Syntax
This is an introduction to the role of sentences and sentence structure in natural language. The course addresses the questions: What makes a particular string of words usable as a sentence? Why are some strings acceptable while others are not? What is the nature of the knowledge humans bring to the process of forming and interpreting sentences? How is this knowledge acquired? Why is the ability to produce and understand well-formed sentences disrupted by injury to specific brain regions? How and why do the sentence patterns that are typical of a language community change over time? Prerequisite: grade of at least B in LIN 185. Cr 3

LIN 332 Consecutive Interpreting and Deaf/Hearing Interpreter Teams
This course covers the mechanics and psycholinguistics of the consecutive interpreting process, as well as hands-on training in the consecutive method for both Deaf and hearing interpreters. Consecutive interpreting will be taught in the context of a variety of typical interpreting situations as well as situations involving special populations. May be repeated once for credit with permission of instructor. Prerequisite: LIN 331 and a rating of 2 or better on ASLA or ASLPI. Cr 3

LIN 333 Interpreting: Source Language ASL
Students focus on interpreting from ASL into English with emphasis on word choice, register, and affect. The interpreting process is dissected, examined, and practiced. With permission of instructor, this course may be repeated once with an added component of journaling observations of working interpreters using a Demand-Control Schema for analysis. May be repeated once for credit with permission of instructor. Prerequisite: LIN 331. Cr 3

LIN 334 Interpreting: Source Language English
Interpreting students study interpretation from English into ASL. Emphasis is placed upon appropriate sign choice, register, and affect. The interpreting process is dissected, examined, and practiced. With permission of instructor, this course may be repeated once with an added component of journaling observations of working interpreters using a Demand-Control Schema for analysis. Course may be repeated once for credit with permission of instructor. Prerequisite: LIN 331. Cr 3

LOS 250 Organizational Accounting
This course will introduce students to the basic concepts of accounting that they will need to understand financial processes in

private, public, and not-for-profit organizations. Cr 3

LOS 299 Writing in the Major
This lab is designed to be taken in conjunction with LOS 300 and is required of all LOS majors. Cr 1

LOS 300 Organizational Theory
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 301 Group Dynamics
This course gives students an understanding of how people behave in groups and the skills needed by group members to participate effectively in group activities. It provides a theoretical foundation for how groups function, with focus on group process and development; and it discusses how these theories can be applied to a wide range of group settings. This course uses experiential techniques to help students develop critical skills and understanding of group dynamics. Cr 3

LOS 302 Organizational Behavior
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 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 311 Leading through the Arts
No description available. Cr 3

LOS 312 Human Resource Management
This course focuses on the procedures and processes associated with the management of human resources within organizations. Topics include recruitment, staff development, job analysis, personnel systems, and training. Cr 3

LOS 315 Training and Development
This course provides students with a theoretical framework for adult learning as it applies to the training and development process. Topics covered include the assessment of learning needs and setting of objectives; the design and facilitation of learning processes such as workshops, on-the-job training, self-directed learning, and computer-based training; and the assessment of outcomes. Students will design and deliver a training program as a major project for this course. Cr 3

LOS 316 Diversity in Organizations
Using historical, socio-economic, and psychological perspectives, students learn about the challenges diverse members of U.S. society, such as women, people of color, people from marginalized classes, and those from other countries have had and continue to face. Students gain an understanding of how the workplace may affect diverse peoples and how others can learn to make the workplace more hospitable. A primary focus of this course is on examining beliefs, behaviors, or unconscious attitudes that perpetuate the oppression and subordination of diverse members of society in the workplace, while also looking at how increased diversity is adding to workplace productivity, creativity,

and learning. Readings are drawn from the social sciences and humanities to provide an interdisciplinary approach to the topic. Cr 3

LOS 318 Database Management
This course introduces skills and builds proficiency in database management. It is taught on PC computers using the latest version of Microsoft Access and is designed to help students develop competencies in a variety of database processing functions. Students become proficient in setting up databases, managing data, creating reports, using report enhancements, and manipulating data. Prerequisite: LAC 150 or equivalent. 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 333 Portfolio Development
No description available. Cr 3

LOS 350 Leadership
This course examines the theory, research, techniques, and challenges of leadership in organizations. Organizational culture is studied with emphasis on the leader's role in influencing and decision making. An experiential design is used along with traditional classroom techniques to help students reflect upon their personal leadership styles and examine their approaches to leading and managing others in diverse organizational settings. Cr 3

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

LSH 240 Introducing the Humanities
This course examines the origins, development, and future of the humanities through the texts and methods of the following disciplines: classics, history, literary studies, philosophy, religion and the Arts. Prerequisites: EYE and College Writing Cr 3

LSH 340 Topics in the Humanities
Consideration of selected problems, approaches, issues or themes in the humanities. May be repeated for credit. Prerequisite: LSH 240 or permission of the instructor Cr 3

LSH 440 Capstone in the Humanities
This course probes the relationship between humanism and the humanities in contemporary society, the recent crisis of the humanities in higher education, and new directions in digital and global humanities. 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 232 Geometry for Elementary Teachers
The third course in a three-course sequence in mathematics recommended by the Committee on the Undergraduate Mathematics Program of the Mathematical Association of America for prospective primary and elementary teachers. Emphasis is upon constructions, congruence, parallelism, and similarity. Direct and indirect methods of proof are studied, but the main approach is intuitive. Prerequisite: MAT 131. Cr 3

MAT 252 Calculus C
The third course in a three-semester sequence covering basic calculus of real variables, Calculus C includes vectors, curves and surfaces in space, multivariate calculus, and vector analysis. Prerequisite: MAT 153. Cr 4

MAT 281 Introduction to Probability
This course will cover basic concepts of probability, including discrete and continuous random variables and their distributions, moment generating functions, and bivariate random variables and their distributions. Some basic sampling distributions will also be discussed. Prerequisite: MAT 153. Cr 3

MAT 290 Foundations of Mathematics
Selected topics in set theory, symbolic logic, and methods of proofs needed in more advanced mathematics courses. Prerequisite: MAT 153 or permission of the instructor. Cr 4

MAT 295 Linear Algebra
An introduction to the theory of vector spaces and linear transformations. Particular topics will include the study of systems of linear equations, matrices, determinants, Euclidean vector spaces, inner product spaces, and theory of diagonalization. Students will use a computer algebra system for projects. Prerequisite: MAT 153. Cr 4

MAT 388 Statistical Quality Control
Some aspects of quality specifications and tolerances, control charts for attributes and variables, certain inspection plans, plans by attributes and by variables, simple, double, and sequential sampling plans. Prerequisite: MAT 282 or MAT 380. Cr 3

MAT 395 Abstract Algebra
Algebraic structures, such as groups, rings, integral domains, and fields. Prerequisite: MAT 290 or permission of instructor. Cr 3.

MAT 460 Mathematical Modeling
An introduction to the process of formulating problems in mathematical terms, solving the resulting mathematical model and interpreting the results and evaluating the solutions.

Examples will be chosen from the behavioral, biological, and physical sciences.

Prerequisites: junior or senior standing, some elementary calculus including differentiation and integration, elementary probability, and some computer programming experience. Cr 3

MAT 490 Topology

An introduction to fundamental concepts in topology, including topological spaces, mappings, convergence, separation and countability, compactness, connectedness, metrization, and other selected topics. Prerequisites: MAT 252 and MAT 290 or 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 230 Thermodynamics I

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

MEE 352 Analysis and Design of Composite Structures

Advantages and limitations of composite materials, fibers and matrices, anisotropic, orthotropic and transversely isotropic materials, fabrication processes, elastic behavior and strength of a lamina, elastic constants of a lamina along an arbitrary direction, sandwich beams, elastic behavior of multidirectional laminate, modes of failure and failure criteria of laminates, joining and assembly, composite materials in aerospace, automobile and naval applications, mechanical test methods, experimental determination of engineering constants of composites, fatigue impact, and environmental effects, computer-aided analysis and design of composite structures. Mechanical engineering elective. Prerequisites: MEE 154, EGN 260. Lecture 3 hrs., Lab 1 hr. Cr 3

MEE 360 Fluid Mechanics

No description available. Cr 3

MEE 374 Theory and Applications of Vibrations

Free undamped and damped vibrations of one degree of freedom (DOF) systems, forced vibrations of one DOF systems with harmonic and non-harmonic excitations, resonance, free vibrations of multi DOF systems, mode shapes, forced vibrations of multi DOF systems and dynamic vibration absorber. Includes experiments and computer simulations. Mechanical engineering elective. Prerequisite: ELE 217. Lecture 3 hrs., Lab 1 hr. Cr 3

MUE 110 Professional Seminar I

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

MUE 111 Professional Foundations for Music Education

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

MUE 112 Percussion Techniques

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 313 Instrumental Conducting

Advanced development of non-verbal gestures through the art of instrumental conducting. Score reading analysis, rehearsal techniques and performance preparation. Prerequisite: MUS 252. Cr 2

MUE 314 Guitar Techniques

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

MUE 353 Woodwind Techniques

Students will learn instrumental techniques and methods to provide instruction on flute, single, and double reeds to students in grades 4-12. The demonstration of proper

performance techniques will be required. Prerequisite: MUE 250 ProSeminar IV Cr 1

MUE 410 Proseminar VII

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

MUE 411 Teaching Music Composition PK-12

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

MUE 450 Professional Internship

Full-time student teaching during the senior year is provided for one semester under direct supervision in off-campus situations for all who meet the requirements. Students will experience classroom and ensemble teaching experiences. Corequisite: MUE 451. Cr 8

MUE 451 Professional Portfolio

Creation of an electronic portfolio aligned with the USM Teacher Certification Standards. The portfolio will contain evidence of preparation, implementation and reflection on music education practices. Cr 4 Co-requisite: MUE 450

MUH 222 Music History Survey I

No description available. Cr 3

MUH 329 Devils, Dwarfs, and Dragons

No description available. Cr 3

MUP 390 Recital

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

MUP 490 Recital

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

MUP 491 Recital

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

MUS 100 Music Appreciation and History

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

MUS 103 Introduction to Jazz

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

MUS 110 Fundamentals of Music

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

MUS 150 Piano Class I

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

MUS 202 Music in America

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

MUS 250 Piano Class 3

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

MUS 332 Counterpoint

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

MUS 370 Topics in Music Technology

An intensive study of one or more areas of music technology in the context of producing music compositions, creating pedagogical multimedia applications, performing music with interactive applications, or recording and editing digital audio/video. The area of study will be chosen by the instructor in accordance with his or her expertise and interests. The course may be repeated once for credit as topics vary (limit of six credits). Prerequisite: MUT 201 or permission of the instructor. Cr 3

MUS 372 Pedagogy of the Major Instrument

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

MUS 380 Jazz Improvisation I

A course designed to teach the student to improvise in the jazz idiom. Studies include jazz theory and standard jazz literature. Recommended for instrumental music majors. Prerequisite: MUT 101 or permission of the instructor. Cr 3

MUT 100 Music Theory & Aural Skills 1

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

MUT 200 Music Theory and Aural Skills 3

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

NUR 100 Introduction to Professional Nursing

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

NUR 200 Introduction to Professional Nursing for Advanced Student

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

NUR 300 Health Assessment

This course provides knowledge and skills essential to conduct in-depth bio-psycho-social-cultural health assessment of well individuals throughout the life span. Emphasis is placed on data collection through effective communication and physical skills followed by data analysis and identification of nursing diagnoses. Prerequisites: Anatomy and Physiology I and II, NUR 100 and a GPA of 2.75. NUR509 is offered in the summer and is open only to option students. Cr 3

NUR 301 Health Assessment Lab

This laboratory course provides knowledge and skills essential to conduct an in-depth bio-psycho-social-cultural, holistic health assessment of well individuals through the life span. Emphasis is placed on data collection through development of communication and physical examination skills. Data will then be analyzed and nursing diagnoses developed. Concurrent with NUR 209. NUR 508 is offered in the summer and is open only to option students. Cr 2

NUR 306 Nursing Arts and Science

This course introduces the student to concepts and skills basic to the art and science of nursing. The nursing process is introduced as a problem-solving tool and is used along with scientific principles in the teaching of foundational nursing therapeutics used in most practice settings. Prerequisites: 24 credits, a GPA of 2.75, and Anatomy and Physiology I and II (or concurrent). NUR 512 is offered in the summer semester and is open only to option students. Cr 3

NUR 307 Fundamentals in Nursing Lab

This course focuses on the cognitive basis, scientific principles, and manipulative component of psychomotor skills used when implementing foundational nursing therapeutics, which promote, maintain, and restore the health of the client. Concurrent with NUR 212. NUR307/514,when offered in the summer semester, open only to accelerated/option students. Cr 2

NUR 323/523 Adult/Older Adult Health Nursing

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

NUR 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 106 NCAA Life Choices

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

PHE 203 Athletic Training for Coaches

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

PHE 302 Coaching Philosophy and Fundamentals

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

PHE 303 Coaching and Officiating Basketball

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

PHE 315 Coaching and Officiating Field Hockey

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

PHI 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 205 Symbolic Logic
Techniques of modern deductive logic; properties of formal systems; logical implications and paradoxes of language. Prerequisite: any 100-level philosophy course.

PHI 211 Media Ethics
In the information age, media play an increasingly large role in our lives. Our notion of living in a global society is largely shaped by media. What is responsible journalism? Does violent programming contribute to violence in America? What are professional ethics and how should they guide media practitioners? We will discuss these questions by examining key ethical values in media such as: privacy, confidentiality, truth telling, conflicts of interest, and social responsibility. We will also explore some fundamental issues in ethical theory such as: Why be ethical? What is ethics? How do ethical theories differ? What are the best ways to evaluate and apply ethical theories to media controversies today? The course is designed for majors in philosophy, media studies, and communication as well as other interested students. The course satisfies the Ethical Inquiry, Social Responsibility and Citizenship requirement of the Core Curriculum. Prerequisite: PHI 100-level course. Cr 3

PHI 220 Philosophy of Art
What makes a person creative? What do artists think about their art? How do critics evaluate a work? If art is created for a cultural ritual or healing, is it to be understood differently? How do the circumstances of a work's creation and reception 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
This course is an examination of work that is situated at the intersection of personal identity and social structure. Philosophical perspectives on work and labor from such writers as Plato, Aristotle, Lock, Smith, Hegel, Marx, and Arendt will be examined through sociology, economics, and politics. Students will be expected to attend film screenings outside of class. Prerequisites: PHI 100-level course or EYE course. Cr 3

PHI 260 Philosophy of Law
Critical evaluation of select issues in the philosophy of law. Possible topics include: the nature of law (positivism, natural law, legal realism); judicial decision making; constitutional adjudication; the justification of punishment; the legal enforcement of morality; legal responsibility; the judicial system. Readings are drawn from the disciplines of both philosophy and law, and include contemporary as well as historical selections. Prerequisite: any PHI 100-level course. Cr 3

PHI 291 Death and Dying
Recent success in life-prolonging techniques has resulted in the creation of new disagreements over the proper definition of death. Which definition of death is the most adequate? Some have argued that dying, not death, is the vitally important topic. Has the term death changed its meaning from time to time and place to place in human history? This course will deal with these and similar epistemological issues. This course satisfies the Ethical Inquiry, Social Responsibility and Citizenship requirement of the Core Curriculum. Prerequisite: PHI 100-level course. Cr 3

PHI 360 Existentialism
An examination of the historical development and basic themes of existentialism as found in the writings of its major representatives:

Kierkegaard, Nietzsche, Heidegger, Sartre, Buber, Marcel, and others. Prerequisite: any PHI 100-level course. Cr 3

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

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

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

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

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

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

PHY 225 classical Physics III
A continuation of PHY 223, offering an intermediate-level treatment of the principal topics of classical physics. Topics will continue through magnetism and electrodynamics, leading to Maxwell's equations. Prerequisite: PHY 223. Cr 3

PHY 261 Computational Physics
This course is a project-oriented course which introduces methods of computer simulation and their diverse applications in the physical world. Examples of projects include projectile motion, planetary systems, chaotic systems, and thermal systems. Methods include numerical solutions to differential equations and Monte Carlo techniques. The course emphasizes structured programming, although no background in computer programming is required. Prerequisite: PHY 121 and prior or concurrent registration in MAT 153, or permission of instructor. Two laboratory sessions and one discussion session per week. Cr 3

PHY 299 Topics in Physics
No description available. Cr 1

PHY 375 Optics
An intermediate-level study of the more important principles of geometric and physical optics, with illustrations of both classical and modern applications. Prerequisites: PHY 223 and two semesters of calculus. Cr 3

POS 101 Introduction to American Government
This course focuses on the political institutions, processes, behavior, and problems of government in the United States. The national government is emphasized. Key topics include: the Constitution, Supreme Court, Congress, Presidency, political parties, public opinion, and interest groups. Cr 3

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

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

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

POS 256 Media and Politics
The media play an increasingly powerful role in modern political systems. This course examines that power and explains how it came about, while noting those forces that restrict or restrain the media's influence. The symbiotic relationship between politicians and journalists is given special attention. Prerequisite: POS 101 or POS 102 or permission of the instructor. Cr 3

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

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

POS 345 British Politics
A survey of the contemporary constitution of Great Britain, the workings of Parliament, the government, and the parties. Principal stress is on the main issues current in British politics. Prerequisite: POS 101 or permission of the instructor. Cr 3

POS 392 American Political Thought I
An examination of central concepts and debates in American political history from the Puritan Era to the Dred Scott decision, with particular attention to debates on authority, liberty, revolution, slavery and emerging ideas of American individualism. Prerequisites: POS 290 or PHI 109 or HTY 121 or HTY 122 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.

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. 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 206. Cr 3

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

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

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

PSY 233 Psychopathology
The etiology, development, and manifestation of the major forms of mental illness with particular emphasis upon the neuroses and psychoses. Psychological, social, and biological factors that contribute to maladjustment are examined. Prerequisites: PSY 101 and 102. Cr 3

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

PSY 338 Theories of Personality
A survey of the major contemporary approaches to the study of personality. Different theories are compared, their impact upon current thinking evaluated, and their research contributions assessed. Prerequisites: Successful completion of PSY 101 with a grade 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 366 Drugs, Mind, and Behavior
The physiological and behavioral effects of drugs are examined in light of current research. Also considered are theories relating to the use/abuse of drugs, tolerance, addiction, and drug interactions. Prerequisites: Successful completion of PSY 101 and one semester of biology with grades of C- or better. Cr 3

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

PSY 371 History and Systems of Psychology
A survey of the history of psychological thought from its beginnings in Greek philosophy to modern times. Special attention will be given to the influence of philosophy and natural science on the development of contemporary psychology. The course concludes with a survey of the major systems. Prerequisite: Successful completion of PSY 101 and 102 with grades of C- or better. This course will satisfy the intensive writing requirement. Cr 3

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

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

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

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

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

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 315 Sport Finance

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

BUS 318 Athletics Administration

This course is designed to introduce the student to the management issues faced by administrators within collegiate and high school athletics departments. Students will develop an understanding of issues such as governance, financial considerations, NCAA and conference compliance, gender equity and Title IX, conference membership issues and realignment, legislation, and reform. Prerequisite: BUS 311 or BUS 315.

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 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 361 International Market

This course addresses the critical marketing skills required for business survival in today’s world economy. Students learn to apply global marketing and financial management concepts and techniques during a semester-long, simulated global market program. Students analyze and manage international product lines and adapt to cultural differences while working in a computer simulated global marketplace. Prerequisites: BUS 260 (C- or higher) and junior standing. Fall only. 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 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 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 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 4

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 233 Analytical Chemistry w/Lab

No description available. Cr 5

CHY 251 Organic Chemistry I

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

CHY 252 Organic Chemistry I Lab

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

CHY 373 Chemical Thermodynamics

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

CHY 374 Chemical Thermodynamics Lab

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

CHY 421 Inorganic Chemistry

Descriptive chemistry of the inorganic compounds, structure, bonding and ligand field theory. Prerequisite or corequisite: CHY 371.

CHY 461 Biochemistry

Application of chemical methods and principles to understanding biological processes. Topics include structure and action of nucleotides, proteins, lipids, and carbohydrates; enzyme kinetics and mechanisms; membranes and transport; and metabolism and energy conversion. This one-semester course provides a survey of the major areas of biochemistry, except for nucleic acids. Prerequisite: a grade of C or better in CHY 253. Cr 3

CHY 462 Biochemistry Lab

Basic experimental methods in modern biochemistry. Experiments include detecting,

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

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 291 The Golden Age of Greece

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

CMS 102 Introduction to Communication

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

CMS 103 Introduction to Media Studies

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

CMS 150 The Writing Process

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

CMS 200 Research Methods in Communication

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

CMS 202 Writing for Popular Print Media

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

CMS 220 Topics in Media Production I

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

CMS 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 272 Persuasion

A course designed to help students understand the basic principles of persuasion. The course deals with persuasion as a social phenomenon. The perspective from which the course is offered is the analysis of persuasion as a behavioral process. As such, the course will investigate the social science research that relates to persuasion. Students will examine the attempts made by others to persuade them, as well as the attempts they make to persuade others. Further, the course will deal with the issue of ethics in persuasion. Prerequisites: communication or media studies major, CMS 102 and CMS 103.

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 286 History of International Cinema to 1945

This course surveys the history of cinema from its emergence through World War II. It considers the development of Hollywood cinema in conversation with alternative approaches to filmmaking both within and outside the U.S. Paying close attention to film style, it also explores cinema’s economic, social, and technological history. Prerequisites: CMS 284. 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 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 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

program. Prerequisites: microbiology, human anatomy and physiology. Cr 3

SED 335 Students with Exceptionalities in General Education

The primary goal of this course is to construct an understanding and knowledge of the range of exceptionalities, including students with disabilities and those identified as gifted and talented. The course is based on the premise that students with exceptionalities should be educated and socially interact to the greatest extent possible with their peers in the general education curriculum and program. The general educator’s role in teaching learners who are exceptional will be emphasized. Topics include characteristics of areas of exceptionality; classroom management; assistive technology; state and federal legislation regarding exceptional students; Response to Intervention (RtI); Universal Design for Learning (UDL); individual education plans (IEP); building relationships with parents; students who are culturally and linguistically diverse; and inclusion and collaboration philosophy and practices. This course includes a 24-hour field placement. Cr 3

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

SOC 210 Critical Thinking about Social Issues
Designed to follow Introduction to Sociology, this course further develops students’ skills of critical analysis through the application of sociological principles to current social issues. The course uses popular media as well as sociological materials. Examples of issues which may be examined are: poverty, health care, homelessness, aging, drugs, violence, bureaucracy, white collar crime, and changing gender roles. Prerequisite: Successful completion of SOC 100 with a grade of C or better or permission of the instructor. Cr 3

SOC 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 310 Qualitative Research Methods
This course provides an overview of the process of social research utilizing qualitative methods. Topics include the logic and principles of the research process, as well as specific techniques in qualitative research (e.g., writing field notes, conducting interviews, analyzing qualitative data). A fieldwork/lab component allows students to apply research skills in settings outside the classroom. Prerequisite: SOC 210 with a grade of C or better or permission of instructor. Cr 4

SOC 327 Social Movements
This course is divided into two sections: social movement theory and social movement cases. First, students will explore the three dominant theoretical approaches covering the micro, meso, and macro context of social movements. These include framing and interpretive processes, mobilizing structures, and political opportunities. The "classic" U.S. social movement of the 1960s (civil rights, women's liberation, anti-war, and free speech) and 1970s-80s (environmental and peace) will be utilized as historical cases to comprehend social movement theory. The second section of the course will address contemporary movements including (but not limited to) labor, anti-globalization, local alternatives, and the new peace movements. Prerequisite: SOC 210 with C or better or permission of instructor. Cr 3

SOC 334 Sociology of Religion
Review and critique of classical and contemporary sociological interpretations of religion, with emphasis on the changing character of religious expression in the twentieth century. Prerequisite: SOC 210 with C or better or permission of instructor. Cr 3

SOC 358 Sociology of Women’s Work
This course will introduce students to theoretical and empirical literature on women's work in the paid labor force, on their unpaid labor in the home, and on the

relationship between these two kinds of "women's work." The course emphasizes the diversity of women's work and the interconnections among race-ethnicity, class, and gender through a detailed examination of professional women, blue-collar women, and "pink-collar" employees. Additional topics include occupational segregation, earnings differentials, poverty, law and public policy, and labor militancy. 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 393 Women, Welfare & the State
The course explores the gender bias of social welfare policy in the U.S., revealing a welfare state whose adherence to central elements such as the Protestant work ethic, "family values," and a laissez-faire economy excludes over half the population. From both historical and theoretical perspectives, the course examines the development of the American welfare state, compares it to Western and Eastern European states, and assesses its impact on women's lives. Prerequisites: SOC 210 with a grade of C or better and junior/senior standing, or permission of instructor. Cr 3.

SPA 101 Beginning spanish I
A beginning course in Spanish in the four skills of language learning: listening comprehension, speaking, reading, and writing. In addition, audio-visual work is required. Cr 4

SPA 201 Intermediate Spanish I
Review of grammatical structures. Further development of listening comprehension, speaking, reading and writing skills. Continued emphasis on understanding of Hispanic culture and civilization through reading and discussion of literary and historical texts as well as frequent reference to contemporary customs and events. Students are encouraged to also register for laboratory practice. Prerequisite: SPA 102 or SPA 107, two years of high school Spanish or the equivalent. Cr 3

SPA 303 Workshop in Spanish
No description available. Cr 3

SPA 332 Advanced Grammar and Stylistics
This course involves systematic training in grammatical and compositional fluency and accuracy. Translation techniques will also be a component of the course. Prerequisite: SPA 304 or equivalent/permission. Cr 3

SPM 100 Introduction to Sports Medicine
This course orients the student to the expectations of a baccalaureate education in athletic training, exercise science (majoring in exercise physiology or health fitness), or health sciences. Allied health historical perspectives, education, careers, certification, and professional associations are explored. Educating the students about the structure and progression of the three degrees will be discussed. Outside field experiences will be required. Prerequisite: ALT, EXS, HEF, or HLS student or permission of the Department chair. Cr 3

SPM 210 Clinical Athletic Training Principles I
An introduction to the principles of prevention, examination, treatment, and reconditioning of physical activity injuries. Lecture information prepare students for supervised clinical experiences. Completion of 50 clinical observation hours required. Prerequisites: ALT major; CON 216 or concurrent; SPM 100 or concurrent; BIO 111, 112 or SCI 170, 171 or concurrent; Co-requisite: SPM 211. Cr 2

SPM 211 Protective Taping and Wrapping
An introduction to the principles of taping and wrapping as they pertain to preventative, protective, and post injury situations. In addition, basic skills in stretching will be taught. Laboratory course in which the completion of competencies prepare students for supervised clinical experience. Prerequisite: ALT major; CON 216 or concurrent; SPM 100 or concurrent; Co-requisite: SPM 210. Cr 1

SPM 230 Psychology of Physical Activity and Sport
Course presents an overview of concepts, theories, principles, and research related to physical activity behavior. Practical application of psychological principles and techniques that help facilitate behavior change will be covered. Prerequisites: ALT, HEF, or HLS major; SPM 100. Cr 3

SPM 315 Group Exercise Instruction
This course provides knowledge, skills, and practical experience needed to plan, lead, and evaluate a variety of group exercise sessions effectively. Developing and leading various components of group exercise sessions constitute a major part of this course. Prerequisites: HEF major, SPM 260. Cr 3

SPM 325 Methods of Resistance Training and Conditioning
Theoretical and practical study of practices and methods involved in developing and implementing resistance training and conditioning programs for clinical and non-clinical populations. Prerequisites: ALT, EXS, HEF, or HLS major; BIO 211 and 212 or SCI 172 and 173; CON 219. Cr 3

SPM 330 Physiology of Exercise
An investigation of the acute and chronic effects exercise incurs on the body. Muscle physiology, respiration, cardiac function, circulation, energy metabolism and application to training will be emphasized and applied in laboratory activities. Prerequisites: ALT, EXS, HEF, or HLS major; CHY 107 or CHY 113 and 114 or concurrent; BIO 111 and 112 or SCI 170 and 171; and BIO 211 and 212 or SCI 172 and 173. 2 credits lecture; 1 credit lab. Cr 3

SPM 370 Athletic Training Clinic II
Completion of a minimum of 150 clinical hours applying proficiency knowledge and skills in an athletic training clinical setting. The second clinical course for students enrolled in the athletic training major. Prerequisite: ALT major; SPM 265, 270, 310; PHY 101, 102 or PHY 111, 114; BIO 111, 112 or SCI 170, 171; BIO 211, 212 or SCI 172,173. 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

SPM 395 Practicum II
Building upon experiences gained from Practicum I, the student continues assisting in the leadership of university-based and off-campus programs, with emphasis on personal training experiences or group exercise instruction. Prerequisites: senior level EXS or HEF major, SPM 325; SPM 385. Cr 3

STH 300 Partnering with Family Caregivers
Connecting with family caregivers is crucial for the delivery of a successful care plan. This course explores how providers can address the psychosocial challenges of caring for an aging family member. Family caregivers are responsible for providing the majority of long term care for people who are living with chronic illness and progressive dementia. We will examine the challenges that impact caregiving including physical, emotional and spiritual strain, and how health care providers and social service professionals can provide information, resources and support that will lead to sustainable outcomes for both the caregiver and the care recipient. It is recommended that the students have junior/senior status, have a college writing course and at least one course in either psychology or sociology. 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 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 101 The Travel Experience: Introduction to Tourism & Hospitality
Introduction to the major concepts, issues, and theories of tourism and hospitality. Covers a broad range of topics related to the travel experience, from economic development to tourism as an industry and the impacts it has on communities and places. Students will be introduced to key elements of the hospitality industry and opportunities for employment in this field. The course will also introduce concepts such as sustainability, planning, and ethical responsibility. This

course is required of Tourism and Hospitality majors. There are no prerequisites. Cr 3

TAH 221 Tourism and Hospitality Management
This course introduces students to the fundamental concepts of management related to the tourism and hospitality industry. Topics include financial management and accounting, human resource issues, hotel and resort management, food and beverage management, and event management. Examples drawn from Maine and New England will illustrate key principles and guidelines. Students will also be introduced to standards, practices, regulations and laws in the tourism and hospitality industry. This course is required of all T&H majors and is the entryway for the concentration Managing in the Hospitality Industry. There are no prerequisites. Cr 3

TAH 241 Tourism & Community Development
Students will learn about tourism as a tool for economic development and the impacts it can have on a community's sense of identity and control. Topics will include economic development, strategic planning, community participation, marketing and promotion, and conflict resolution. Case studies from Maine and beyond will illustrate the positive and negative aspects of linking community development to tourism and hospitality. This is the required introductory course for the Tourism and Hospitality concentration Tourism Development and Planning. There are no prerequisites. Cr 3

TAH 299 Topics in Tourism & Hospitality
This course explores the role of women who produce arts and crafts for the global tourist market. All over the world, women are improving their socio-economic status, investing in their families, and contributing to community development through their involvement in perhaps the largest-scale movement of goods, services, and people in human history. We will learn about the historical and contemporary experiences of women from many different cultures in North and South America, Africa and other international settings. Course content may include themes of cultural heritage, culture change, traditional versus tourist art, gender inequality and community development. *Fulfills Non-Western Requirement Cr 3

TAH 311 Festival & Event Planning and Management
Festivals are an important part of the tourism sector and a way that many communities attract visitors and revenue while respecting local needs and traditions. In this class, students will examine many types of festivals, from those focused around music and the arts to food, local culture, and religious or historical events. Students will learn the basics of planning and managing festivals of various sizes and durations and explore ways of promoting and marketing local events. Students may have the opportunity to visit local or regional events and learn directly about them from planners and promoters. Prerequisite: TAH 211, 221, or 261, or permission of instructor. Cr 3

TAH 331 Sustainable Hospitality Management
This class focuses on the practical applications of sustainability principles and techniques to the planning and management of tourism and hospitality businesses. Taught by faculty experienced in designing and implementing sustainable hospitality guidelines, it will take students through the steps of assessing planned or existing businesses and making or recommending steps to make these businesses more environmentally sustainable. State, national, and international guidelines for sustainable businesses will be examined, and students will have the opportunity to do audits or other exercises to apply their knowledge in actual settings. Prerequisite: TAH 231 or permission of instructor. Cr 3

TAH Anthropology in the Museum
No description available. Cr 3

THE 101 Introduction to Theatre
This course provides a general introduction to all facets of theatre including dramatic literature, theatre history, acting, directing, playwriting, design, management, and theatre spaces, among others. 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 135 Stagecraft

A lecture course in technical theatre and related topics relevant to technical direction. Specific areas of emphasis will include: theatre/stage terminology and organization, scene shop practices, and basic methods of construction, as well as methods of rigging and moving scenery for the stage. 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 230 Designing for the Performer

This course offers the student an opportunity to explore the process of creating an environment for the performer, incorporating elements of scenic, costume, lighting, and audio design. Coursework includes the presentation of multimedia design projects. Cr 3

THE 234 Performance Business

Investigation of performance business best practices including business plans in the performing arts, theatre company creation, budgeting, marketing, promotions and electronic media, performance health, and educational/professional theatre management roles. This course includes a promotions practicum. Cr 3

THE 322 Acting: Contemporary Methods

This course will introduce a variety of acting techniques developed by master artists, beginning with an overview of the Stanislavski System and advancing to the work of Lee Strasberg, Sanford Meisner, Uta Hagen, Augusto Boal, and others. These techniques will be applied to exercises, scenes, and monologues performed throughout the semester. Prerequisite: THE 220. Cr 3

THE 325 Directing

This course is designed to train students in theatrical organization and rehearsed techniques. It encompasses composition, picturization, movement, and rhythm. Some practicum is involved. Prerequisites: THE 150 and THE 230, or instructor permission. Cr 3

THE 334 Costuming

This course introduces costume history and design. A survey outlines major trends in fashion from the Greeks to the 19th century. Students learn costume design by using the basic elements of line, color, and texture, by fulfilling the costume requirements encountered in scripts, and by analyzing characters. Drawing and rendering techniques are taught. The practicum (THE 104) supplements lectures by teaching sewing skills and allowing students to construct

costumes for a University theatre production. Enrollment in THE 104 Practicum in Costuming is required for theatre majors and recommended for all costuming students, but need not be concurrent. Prerequisite: THE 150 and THE 230. Cr 3

THE 335 Stage Lighting

Introduction to stage lighting design, elements of electricity, color, light sources, instrumentation, and control systems. Students will participate in lighting projects in practicum. THE 150 and THE 230; THE 230 may be taken concurrently. Cr 3

THE 353 Dramatic Literature and Theatre History III: 1800-present

This course examines the dramatic literature and history of Romanticism, Realism, Naturalism, Expressionism, Epic Theatre, Absurdism, and Contemporary Theatre. THE 353 asks students to think about theatre in a broad array of cultural contexts. This class focuses on sharpening students' written and oral communication and critical thinking skills. Prerequisite: College Writing. THE 150 may be taken concurrently. Cr 3

THE 375 Performance Arts

This theory and practice course allows students to experiment with the aesthetic interpretation of texts, focusing on extra-textual elements of presentation (such as sound, visual symbols/images, spatial relations, hand-held light) in the staging of poetry, fiction, non-fiction, and drama. Theoretical and practical readings accompany in-class exercises and blackbox performances that strengthen skills in acting, directing, oral interpretation, forensics, play analysis, and design. Students elect a directing or a performance emphasis. 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 Topics in Culture and the Arts I

Courses in this category will examine some aspect of women's relationships to specific vehicles of culture, including the plastic, literary, and performing arts. They may focus on women as producers of culture; on how women and femininity have been represented in written, visual, or oral texts; or on feminism and cultural or aesthetic theory. Possible subjects may include feminist philosophy, feminism and film theory, women and the history of music, women and popular culture. Prerequisite: 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 345 Topics in Culture and the Arts II

Courses in this category will examine some aspect of women's relationships to specific vehicles of "culture," including the plastic, literary, and performing arts. They may focus on women as producers of culture; on how women and femininity have been represented in written, visual, or oral texts; or on feminism and cultural or aesthetic theory. Possible subjects may include feminist philosophy, feminism and film theory, women and the history of music, women and popular culture. Cr 3

WST 355 Topics in History and Resistance II

Courses in this category will explore the political worlds of women in general, and laboring women in particular, which have

often been obscured by traditional histories that narrowly define politics as a set of formal institutions and practices. These courses explore forms of female activism located not only in governments, political parties, and unions but also in female collaborative activities and grassroots organization. Emphasis will be placed on the relationship between female activism and social, economic, and cultural change. Topics include women in Third World struggles for national liberation; working class women in contemporary and historical movements; struggles for equal rights; the 19th-century women's movement; women in peasant revolts; everyday forms of female resistance; union organizing; women and the politics of identity. Cr 3

WST 365 Topics in Gender and Institutions II

Courses in this category will focus on gender relations and the construction of the category women in the context of social structures and institutions. Both social structures and institutions are based on and reinforce assumptions about sex and gender, women and men, and masculinity and femininity. And both ultimately shape the experiences of women and men in society. These courses will examine the experiences of women and men as gendered beings and the way those experiences follow from, perpetuate, and/or alter institutions. The emphasis may be on industrial or non-industrial societies and institutions, for analysis will vary. Possibilities include law and legal institutions, economic institutions, subsistence strategies in non-industrial societies, systems of stratification, conceptual systems, and education. Cr 3

WST 380 The Politics of Difference

This course will introduce students to some of the complex relationships among the histories and goals of Western feminism and those of specific nondominant cultures, inside or outside the United States. Central to the course are the ways that "differences" are embedded and enacted in the context of power relations in the larger society. While the specific content of this course is flexible, it will treat the advantages and disadvantages of using race, ethnicity, class, and sexuality as categories of analysis. Assignments should reinforce those skills learned in WST 201. Prerequisites: WST 201 or permission of instructor. Offered fall semester.

WST 390 Contemporary Feminist Theories

This course will introduce students to such feminist theoretical approaches as post-structuralism, Marxism, psychoanalysis, critical race theory, and post-colonialism. The focus of the course is the intimate relationships between feminist theories and feminist practices, locally and globally. Prerequisites: WST 101I or EYE 109, WST 201 or permission of the instructor. Offered spring semester. Cr 3



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Used Bookstore:

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If you're looking for a bright and open used book shop to explore, look no further than The Green Hand. Whether you're looking for classic paperbacks, rare biographies or even a bit of local Maine literature, it will be easy to find it here with the clean, organized layout of the shop and general friendliness of the staff. You can make a quick in-and-out trip if you're on a mission, or take your time and browse their unique selections. Looking for something specific? Just like the store's Facebook page and ask if they have what you want and you'll get a quick response! 661 Congress St.

Headshop:

Awear 4 Hemp

The foremost purveyor of fine glassware in this city must be Awear. At their Exchange St. location, they have a menagerie of heady glass. Yes, just plain glass. They also have spoons, chil-lums, water pipes and oil domes for your finest aromatic essential oils. If you are interested in the glassblowing arts, this is the place to be; not only do they sell glass bongs in a variety of diameters, but they have an accessory glass-blowing studio on Preble Street where you can learn to blow your very own smoking apparatus.19 Exchange St., 150 Preble. St.

Longboard

Route:

Portland campus

This route almost covers the whole campus. In Portland, when you exit Luther Bonney Hall into the quad, take an immediate right, towards the science building. You could also exit Payson Smith heading towards the Woodbury Campus Center. Cruise along down these little paths, get some speed, and then approach the drop in the path that leads to the parking lot. Fresh, smooth, delicious asphalt here; enjoy. Bomb down the hill right in front of you into the parking lot. You'll gain a lot of speed, and this is an excellent place to practice sliding. Either weave around the lot until you lose enough speed to stop in for some food, or keep on cruising down Bedford Street.

Place for 1 & 2:

Abromson

Center

Do yourself a favor – drink a lot of water during the school day and visit the Abromson bathrooms on your way to the parking garage. We swear – a top-notch custodian must clean these every ten minutes, because they're always so clean. It might also be because students don't often have class here, but let's give ourselves the benefit of the doubt. They're spacious, so it's not often you'll have to worry about those awkward situations with loud and smelly strangers in the stall next to you. Plus, they're ridiculously well-lit and have huge mirrors, so it's a good spot to make sure you're looking fly before you go to class. 88 Bedford Street

Headshop:

Awear 4 Hemp

The foremost purveyor of fine glassware in this city must be Awear. At their Exchange St. location, they have a menagerie of heady glass. Yes, just plain glass. They also have spoons, chil-lums, water pipes and oil domes for your finest aromatic essential oils. If you are interested in the glassblowing arts, this is the place to be; not only do they sell glass bongs in a variety of diameters, but they have an accessory glass-blowing studio on Preble Street where you can learn to blow your very own smoking apparatus. 19 Exchange St., 150 Preble. St.

Music Venue:

The State

Theater

Since the State Theater recently bought out Port City Music hall, it's safe to that the State is running the concert business in Portland. Because of their reasonable prices on beer, gorgeous and antique venue space, and consistently impressive lineups season after season, it is undeniable that the State is 'currently on top of the game. Here's why; just this summer you can go see Jim James, Animal Collective, Tegan and Sara, Beck, Delta Rae–and more. With so many national acts, it's hard to ignore this venue. 608 Congress St.

Museum:

Portland

Museum of Art

Located in the heart of Portland, the PMA is a great place to jump right into the art world and spend a day exploring. They have over 17,000 pieces of fine art to browse through and admire, from paintings and sculptures to decorative, antique furniture. Even if you aren't familiar with art, it's a lot of fun to look through each floor and pick out your favorite piece. The PMA also regularly screens the best classical, foreign and art films, with tickets only costing \$7! And if you get hungry while you're exploring the museum, there's a cafe right downstairs where you can purchase a variety of seasonally inspired treats and gourmet sandwiches. 1219 SW Park Ave

Restaurant:

Hot Suppa

This cozy little joint was started up in 2006 by two food-loving brothers after they went on a gastro-nomic tour of the U.S. The menu features some seriously tasty and fresh breakfast options with delicious coffee drinks to choose from. Make yourself an omelet or have biscuits, sausage and gravy. For dinner, stop in and try some more Southern comfort foods, like a waffle and fried chicken, and pair it with a delicious drink. A “New Fashioned” – bourbon, muddled orange, lemon, cherry-infused liqueur and bitters – goes well with the lively atmosphere here. Stop in for lunch, too. 703 Congress St.

Thrift Shop:

Little Ghost

Vintage

This tiny nook of a shop is regularly full of great deals on vintage and secondhand clothes. There's no way you're going to visit without making multiple trips to the dressing room and trying to resist breaking out the credit card. One thing that makes Little Ghost stand out is its quirkiness. Among the selections here are old fashioned pins and hats, pieces of artwork, postcards and retro-aprons. Little Ghost also has a rather large listing of merchandise on Etsy, an online marketplace for handmade and vintage items. Shoppers can get a discount online (with the code “litleghosties”) or in store for shopping locally. 477 Congress St.

Beach:

East End Beach

Probably the most convenient for Portlanders, the East End Beach is just off of the Eastern Promenade Trail. Portland's only public beach is free, with plenty of parking. It's not the most quiet or secluded of places and depending on the tide it might be hard to find a place for your beach chairs, but its close proximity is great for an impulsive weekday jaunt after work or a summer class. Get iced coffee and picnic supplies up at Hilltop Coffee and Rosemont Market on the hill. If you're a dog owner, you can bring your dog to play leash-free after 5 p.m. (and if you're not a fan of pooches, be sure to avoid the evening).

Sokvonnny Chhouk / Design Director