

College of Arts and Sciences

Schedule of Classes Key

# Key

Liberal Arts Foundation:

- CC Cross Culture
- CP Creative Process
- DD Dominance and Difference
- FL Foreign Language
- HH Humanities History
- HP Humanities Philosophy
- HL Humanities Literature

MS1 Natural Science with Lab

MS2 Mathematics

MS3 Natural Science, Computer Science,  
or second Mathematics

SE State and Economy

Writing Across the Curriculum:

WA Lower division writing-intensive  
course

WB Upper division writing-intensive  
course

The Schedule of Classes is subject to change and will be updated during  
the registration process.

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**ACCT-210-01 Finan Acctg & Reporting 4.00 credits**

PREREQUISITE: ECON-250 [WITH A MINIMUM GRADE OF 2.0 OR HIGHER], AND SOPHOMORE STANDING OR BY PERMISSION.

Financial accounting and reporting concepts and procedures that provide a history of economic resources, obligations, and related economic activities of financial entities. Emphasis is on using financial information to analyze financial health and performance at an enterprise.

01 M, W 08:00AM-09:20AM DUK-109 Frazin, Alexander  
02 M, W 01:00PM-02:20PM DUK-206 Frazin, Alexander  
03 T, TH 01:00PM-02:20PM DUK-108 Mitchell, Laurel  
04 T, TH 02:30PM-03:50PM DUK-108 Mitchell, Laurel  
05 M, W 11:30AM-12:50PM DUK-206 Frazin, Alexander

**ACCT-220-01 Prncpls of Mngrl Acctg 4.00 credits**

PREREQUISITE: ACCT-210 [WITH A MINIMUM GRADE OF 2.0 OR HIGHER].

Analysis of financial and relevant non-financial information used in planning, motivating, evaluating, and controlling economic and behavioral concepts and quantitative techniques are integrated throughout. Topics: cost behavior, budgeting, analysis of variance, performance measurement, and pricing.

01 T, TH 01:00PM-02:20PM HKE-104 Kirscht, Donna  
02 T, TH 09:30AM-10:50AM HKE-104 Kirscht, Donna  
03 T, TH 11:00AM-12:20PM HKE-104 Kirscht, Donna

**ACCT-310-01 Intermediate Acctg I 4.00 credits**

PREREQUISITE: ACCT-210 [WITH A MINIMUM GRADE OF 2.0 OR HIGHER], AND ACCT-300 [WITH A MINIMUM GRADE OF 2.0 OR HIGHER].

Intensive study of the financial accounting environment and the authoritative accounting literature that provides a guide to the recording of economic resources and obligations and the related economic activities of business enterprises.

01 M, W, F 09:30AM-10:50AM DUK-108 Hall, Renee  
02 M, W, F 11:00AM-12:20PM DUK-108 Hall, Renee

**ACCT-400-01 Finan Report Theory I 2.00 credits**

PREREQUISITE: ACCT-310 OR ACCT-320 [WITH A MINIMUM GRADE OF 2.0 OR HIGHER] OR BY PERMISSION.

Capstone course requiring students to integrate knowledge of accounting, business, economics, and regulation, and apply this knowledge to emerging financial reporting issues. Study of accounting, corporate governance, and risk management issues will be from the perspectives of the enterprise, auditor, and financial statement users.

01 M 11:00AM-12:20PM DUK-201 TBA  
02 M 02:30PM-03:50PM DUK-201 TBA

**ACCT-409-01 Acctg Ethics 4.00 credits**

PREREQUISITE: ACCT-210 [WITH A MINIMUM GRADE OF 2.0 OR HIGHER], AND ACCT-300 OR ACCT-211 [WITH A MINIMUM GRADE OF 2.0 OR, HIGHER]. COREQUISITE: ACCT-310

Identify and contrast key characteristics of ethical theories and apply them to case situations. Understand the ethics-related responsibilities of members of the accounting profession. Research current topics in the profession, and enhance oral presentation and written communication skills.

01 T, TH 11:00AM-12:20PM DUK-108 Mitchell, Laurel

**ACCT-411-01 Accounting Information Systems 4.00 credits**

PREREQUISITE: ACCT-210 [WITH A MINIMUM GRADE OF 2.0 OR HIGHER], AND ACCT-220 [WITH A MINIMUM GRADE OF 2.0 OR HIGHER].

Study of the design and application of accounting systems intended to provide financial and non-financial information which informs decisions and influences behavior within business processes. Strong emphasis on conceptual modeling and database systems, and on documenting and evaluating internal controls. CS 301 may be taken to fulfill this major requirement.

LAF: M3

01 M, W 01:00PM-02:20PM DUK-200 Kirscht, Donna

**ACCT-415-01 Tax Accounting 4.00 credits**

PREREQUISITE: ACCT-210 [WITH A MINIMUM GRADE OF 2.0 OR HIGHER], AND SENIOR STANDING OR BY PERMISSION. RECOMMENDED: ACCT-360

Determination of federal and state income tax liability for individuals, corporations, and partnerships. Filing returns, paying taxes, and getting refunds. Legislative and judicial development of tax law. Legal recourse available to taxpayers.

01 M, W 09:30AM-10:50AM DUK-109 Frazin, Alexander

**ACCT-421-01 Govt & Non-Profit Acctg 2.00 credits**

PREREQUISITE: ACCT-310 [WITH A MINIMUM GRADE OF 2.0 OR HIGHER] AND SENIOR STANDING OR BY PERMISSION.

Theory and practice of governmental and not-for-profit financial accounting. Topics include theoretical framework, fund accounting, and basic financial statements.

01 T, TH 01:00PM-02:20PM HKE-102 Bergevin, Peter

**ARAB-101-01 Beginning Arabic I 4.00 credits**

Beginning level Modern Standard Arabic language for students with no previous background. Introduction to the alphabet, basic spoken communication, grammar, and culture of Arabic-speaking societies.

LAF: FL

01 M, W, F 11:00AM-12:20PM HOL-103 TBA

**ART-131-01 Drawing 4.00 credits**

Focuses on traditional techniques, materials, and processes of drawing. Through the basic observation of still life, landscape, and portraiture, the student will learn how the elements and principles of design can be developed in their own drawings to promote personal expression and understanding. Emphasis is placed on composition, mark making, perspective, and interpretative drawing.

LAF: CP Open for contract/evaluation.

01 M, W 01:00PM-03:50PM APH-210 AND APH-212 Galloway, Munro  
02 M, W 06:00PM-08:50PM APH-210 AND APH-212 TBA  
03 T, TH 09:30AM-12:20PM APH-210 AND APH-212 Gaitan, Anna

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**ART-132-01 2-D Design 4.00 credits**

Students are acquainted with the structure that artists consider when creating two-dimensional images. The elements of pictorial composition (line, shape, space, color, value, and texture) are used in concert with the principles (unity/variety, balance/ emphasis/rhythm, and proportion/scale) to create effective images.

LAF: CP XLIST: SPA Open for contract/evaluation.  
01 T, TH 09:30AM-12:20PM APH-203 Azenaro, Renee  
02 T, TH 01:00PM-03:50PM APH-212 TBA  
03 M, W 09:30AM-12:20PM APH-203 Azenaro, Renee

**ART-140-01 Introduction to Ceramics 4.00 credits**

Introduction to the shaping of clay with hand building techniques and on the potter's wheel. A variety of surface design and firing techniques are also taught.

LAF: CP Open for contract/evaluation.  
01 M, W 01:00PM-03:50PM PAC-A AND PAC-C Acero, Raul

**ART-145-01 Intro to Sculpture 4.00 credits**

Introduction to materials, techniques, concepts, and tools of sculpture. Techniques covered may include modeling, carving, construction, and mold making.

LAF: CP Open for contract/evaluation.  
01 T, TH 09:30AM-12:20PM PAC-A AND PAC-B Acero, Raul  
02 M, W 09:30AM-12:20PM PAC-A AND PAC-B Acero, Raul  
03 T, TH 01:00PM-03:50PM PAC-A AND PAC-B Azenaro, Renee

**ART-155-01 Introduction to Printmaking 4.00 credits**

This course is an introduction to the basic strategies and techniques of lithographic, intaglio, serigraphic and relief processes. Emphasis is on development of imagery and introductory understanding and command of print processes. Completed editions will be discussed during group critiques.

LAF: CP Open for contract/evaluation.  
01 T, TH 01:00PM-03:50PM APH-224 Gaitan, Anna

**ART-159-01 Digital Imaging 4.00 credits**

Introduction to using the computer as a creative tool. Development of digital imaging techniques and photo manipulation using Adobe Photoshop.

LAF: CP Open for contract/evaluation.  
01 M, W 01:00PM-03:50PM APH-123 TBA  
02 T, TH 01:00PM-03:50PM APH-123 McElroy, Penny

**ART-233-01 Painting 4.00 credits**

Introduction to the materials and techniques of oil painting, including the preparation of supports. Emphasis is placed on color, mixing and modifying paints, surface, composition, and the history of the medium.

LAF: CP Open for contract/evaluation.  
01 T, TH 01:00PM-03:50PM APH-228 Galloway, Munro

**ART-235-01 Introduction to Photography 4.00 credits**

Using a digital camera, students produce original work in response to a series of lectures, assignments, and bi-weekly critiques. A range of tools including color correction, selections, layers and inkjet printing are addressed. Students will complete an integrative final project.

LAF: CP XLIST: MVC, VMS Open for contract/evaluation.  
01 M, W 09:30AM-12:20PM APH-125 Cahill, Tommi

**ART-251-01 Typography 4.00 credits**

RECOMMENDED: ART-132

A study of letterforms and page design. Students explore typography through both historical methods and contemporary techniques. Focus will be on developing sensitivity to type and discovering the creative possibilities of typographic design.

Open for contract/evaluation.  
01 T, TH 09:30AM-12:20PM APH-125 AND APH-202 McElroy, Penny

**ART-252-01 Intro to Graphic Design 4.00 credits**

PREREQUISITE: ART-132 OR ART-159

Introduction to technical and conceptual principles of graphic design. Students will investigate different creative approaches to the design process. Topics include text/image relationships, illustration techniques, basic type concerns, logo/identity, concept presentation, and developing competency with Adobe Illustrator.

LAF: CP XLIST: MVC, VMS, SPA Open for contract/evaluation.  
01 T, TH 09:30AM-12:20PM APH-123 Johnson, Tammy

**ART-264-01 Hist of Graphic Arts 4.00 credits**

This Special Topics studio art course surveys the broad history of visual communication of Printmaking, Photography, Graphic Design and its influence from prehistory to contemporary art practices.

01 T, TH 02:30PM-03:50PM APH-128 TBA

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**ART-265-01 Web Design 4.00 credits**

Various offerings in specialized studio workshop experiences.  
LAF: CP Open for contract/evaluation.  
01 T, TH 06:00PM-08:50PM APH-123 TBA

**AST-240-01 Popular Culture of Japan 4.00 credits**

This course examines contemporary Japanese popular culture to better understand Japanese social practices, values and conceptualization of human relationships and the meaning of life. The topics examined include mass media, food, and sports using Anime, manga, contemporary films, magazines, and advertisements.  
LAF: CC XLIST: MVC, VMS  
01 T, TH 11:00AM-12:20PM HKE-201 TBA

**ART-436-01 Adv Project: Photography 4.00 credits**

PREREQUISITE: ART-339  
A class using darkroom and digital photo processes to build an individual body of work. Emphasis is placed on conceptualization, integration of content and developing an awareness of current trends in the art world. Class time includes lectures, readings, discussions and critiques.  
Open for contract/evaluation.  
01 M, W 01:00PM-03:50PM APH-125 Cahill, Tommi

**AST-460-01 Advanced Chinese 3.00 credits**

Topics of current interest in Asian Studies. Course content varies from term to term. May be repeated for degree credit, given a different topic, for a maximum of 8 credits.  
01 M, W, F 08:00AM-09:20AM HKE-102 TBA

**ART-456-01 Adv Projects: Graphic Design 4.00 credits**

PREREQUISITE: ART-352  
Advanced work in graphic design. Emphasis is placed on design process, integration of content and developing an awareness of contemporary design issues. Students will refine technique, work toward developing an individual style and create a portfolio of professional quality design work.  
Open for contract/evaluation.  
01 M, W 09:30AM-12:20PM APH-123 McElroy, Penny

**BIOL-103-01 Genetic Engr: Issues & Techs 4.00 credits**

Explanation of current developments in modern molecular biology that affect the lives of non-scientists. Topics such as DNA testing and genetically engineered foods, vaccines, and drugs are discussed. Provides basic information about DNA and an opportunity to perform techniques used in genetic engineering.  
LAF: M1 XLIST: HAST  
01 T, TH 09:30AM-12:20PM HED-129 Glendening, Candace

**ART-485-01 Program Internship 2.00-14.00 credits**

By permission of instructor only.  
Open for contract/evaluation.  
01 TBA TBA-TBA TBA Cahill, Tommi

**BIOL-108-01 Nature Study 4.00 credits**

Biological phenomena observable in natural flora and fauna including ecology, behavior, life cycles, and evolution. Emphasis on understanding plants and animals observed in nature. Four hours lecture and discussion.  
LAF: M1 XLIST: EVST  
01 T, TH 09:30AM-12:20PM HED-127 VanOverbeke, Dustin  
03 M, W 01:00PM-03:50PM HED-114 VanOverbeke, Dustin

**AST-211-01 Contemporary Chinese Film 4.00 credits**

Examines the cinematic representations of social and cultural transformations of modern China. Topics include analysis of visual-aural spectacles and their aesthetic merits against a backdrop of materials that deal with historical conditions, ideological underpinnings, cultural practices, and social-economic transformation.  
LAF: CC, HL XLIST: MVC, VMS  
01 T, TH 11:30AM-12:50PM GRG-271 Lu, Hongwei

**BIOL-109-01 Contemporary Issues in Ecology 4.00 credits**

Environmentally oriented issues of current concern as they relate to fundamental generalizations about ecology. Sharpens the layman's critical powers of observation and analysis and provides tools for intelligent decision-making. Three hours lecture, three hours lab.  
LAF: M1  
01 LEC T, TH 11:00AM-12:20PM GRG-175 ; LAB TH 01:00PM-03:50PM HED-115 Malcolm, James

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**BIOL-110-01 Human Biology 4.00 credits**

Designed to present a general knowledge of the human body in health and disease. Topics include exercise physiology, nutrition, human heredity and genetic testing, mechanisms of disease, cancer, infectious and emerging illnesses, and gene therapy. The format will include lecture-discussion and laboratory experiments.

LAF: M1

01 W, F 09:30AM-12:20PM HED-127 Olivera, Christopher

**BIOL-239L-01 Molecular Gene & Hered Lab 0.00 credits**

COREQUISITE: BIOL-239

01 W 01:00PM-03:50PM HED-126 Forristall, Caryl

02 TH 01:00PM-03:50PM HED-126 Forristall, Caryl

**BIOL-114-01 Biology of Food 4.00 credits**

Exploration of biological concepts through the topic of food. Topics covered may include nutrition, food science and traditional and alternative agriculture. Scientific literacy and scientific method are emphasized. Six hours integrated lecture and lab.

LAF: M1

01 M, W 09:30AM-12:20PM HED-129 Blauth, Susan

**BIOL-260-01 Evolutionary Medicine 4.00 credits**

PREREQUISITE: BIOL-238 OR BIOL-239

Topics of current interest in biology are covered.

01 T, TH 08:00AM-09:20AM GRG-176 Malcolm, James (WB)

**BIOL-201-01 Princ of Bio: Mol/Cell & Gen 4.00 credits**

PREREQUISITE: CHEM-131 OR BY PERMISSION COREQUISITE: BIOL-201L

Introduction to the study of life including central molecules in biological processes, the structure of cells, molecular and transmission genetics. Laboratory work emphasizes biochemical and genetic techniques, data collection, and analysis.

XLIST: BIOCH

01 M, W, F 09:30AM-10:50AM GRG-161 Blauth, James

02 M, W, F 08:00AM-09:20AM GRG-175 Aronson, Benjamin

03 M, W, F 11:00AM-12:20PM GRG-161 Gadd, Brian

**BIOL-317-01 Human Anatomy 4.00 credits**

PREREQUISITE: BIOL-238 (OR BIOL-131 AND BIOL-133) COREQUISITE: BIOL-317L

In depth study of the structure of the human body through lecture/discussions and laboratory exercises. Laboratories will involve examination of anatomical models and dissection of preserved specimens. Students may not earn credit in both BIOL-317 and BIOL 337. Six hours lecture/laboratory.

01 M, W 11:00AM-12:20PM GRG-272 Casale, William

**BIOL-201L-01 Prin of Bio: Mol/Cel & Gen Lab 0.00 credits**

COREQUISITE: BIOL-201

01 T 01:00PM-03:50PM HED-129 Silveira, Linda

02 W 01:00PM-03:50PM HED-127 Gadd, Brian

03 W 01:00PM-03:50PM HED-129 Blauth, James

04 TH 01:00PM-03:50PM HED-127 Aronson, Benjamin

05 TH 01:00PM-03:50PM HED-129 Gadd, Brian

**BIOL-317L-01 Human Anatomy Lab 0.00 credits**

COREQUISITE: BIOL-317

01 M, W 01:00PM-02:20PM HED-117 Casale, William

02 M, W 02:30PM-03:50PM HED-117 Casale, William

**BIOL-239-01 Molecular Genetics & Heredity 4.00 credits**

PREREQUISITE: BIOL-200 (OR BIOL-133), AND BIOL-201 (OR BIOL-131). COREQUISITE: BIOL-239L

This course emphasizes the importance of molecular genetics in contemporary biology. Patterns of inheritance, gene structure and function, and techniques using recombinant DNA technology will be emphasized. Laboratory includes classical genetic analysis as well as molecular and biochemical techniques

XLIST: BIOCH

01 M, W, F 09:30AM-10:50AM GRG-272 Forristall, Caryl

**BIOL-338-01 Cell Biology 4.00 credits**

PREREQUISITE: BIOL-239 COREQUISITE: BIOL-338L

Structure and function of cells, with emphasis on events outside the nucleus. Study of cytoskeleton, bioenergetics, intracellular communication, control of cell division, and sorting of proteins to appropriate organelles. Laboratory includes fluorescence microscopy, in vitro reconstitution of cellular processes, and subcellular fractionation. Three hours lecture, three hours laboratory/discussion.

01 T, TH 09:30AM-10:50AM GRG-271 Casale, William

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**BIOL-338L-01 Cell Biology Lab 0.00 credits**  
 COREQUISITE: BIOL-338

01 T 01:00PM-03:50PM HED-126 Casale, William

**BIOL-344-01 Human Physiology 4.00 credits**  
 PREREQUISITE: BIOL-238 OR BIOL-239 COREQUISITE: BIOL-344L  
 Functioning of the human body at the cellular, systems, and whole animal level. Emphasis on nervous, endocrine renal, and cardiovascular systems and their inter-relationships. Students may not earn credit in both BIOL 334 and BIOL 344.  
 XLIST: BIOCH  
 01 M, W, F 09:30AM-10:50AM GRG-175 Ryan, Bryce

**BIOL-344L-01 Human Physiology Lab 0.00 credits**  
 COREQUISITE: BIOL-344

01 T 01:00PM-03:50PM HED-115 Ryan, Bryce  
 02 W 01:00PM-03:50PM HED-115 Ryan, Bryce

**BIOL-403-01 Rsch: Molec & Cell Biol 1.00-3.00 credits**  
 COREQUISITE: BIOL-403L  
 Genes, proteins, and cellular processes studied through experimental work. Three hours laboratory/discussion; three hours independent work.  
 XLIST: BIOCH  
 01 T 11:00AM-12:20PM GRG-272 Silveira, Linda

**BIOL-403L-01 Rsch: Molec & Cell Biol Lab 0.00 credits**  
 COREQUISITE: BIOL-403

01 TH 01:00PM-03:50PM HED-120 Silveira, Linda

**BIOL-460-01 Research Topics in Biology 3.00 credits**

Selected areas of biology studied through experimental work. Areas selected range from the molecular cellular level, to plants and animals, to ecology and the environment. Three hours laboratory/discussion, three hours independent work. May be repeated for degree credit for a maximum of 6 credits.

01 LEC T 11:00AM-12:20PM AHN-215 ; LAB TH 01:00PM-03:50PM HED-118 Blauth, James  
 02 LEC T 11:00AM-12:20PM GRG-271 ; LAB TH 01:00PM-03:50PM HED-118 Stelle, Lei

**BIOL-495-01 Senior Seminar 1.00 credits**

In the fall, the course covers research techniques and preparation for employment.

01 TH 11:00AM-12:20PM GRG-161 Ryan, Bryce

**BUS-136-01A Global Marketing 4.00 credits**

Marketing concepts with emphasis on marketing management. Explores marketing strategies involving the variables of the marketing mix (product, pricing, promotion and distribution), coordinated and integrated across multiple country markets. Examines the distinctive differences, influences and issues faced by companies when conducting marketing activities in the domestic and global environment.

01A T, TH 01:00PM-02:20PM DUK-312 Stauble, Vernon  
 02A T, TH 02:30PM-03:50PM DUK-312 Stauble, Vernon  
 04 M, W 01:00PM-02:20PM DUK-313 Stauble, Vernon

**BUS-226-01 Rise of Amer Captlsm 1860-1932 4.00 credits**  
 PREREQUISITE: ECON-101 (OR ECON-250 OR ECON-251) WITH A MINIMUM GRADE OF 2.0 OR HIGHER; STUDENTS MUST HAVE A CUMULATIVE GPA OF 2.7 TO ENROLL, OR BY PETITION.

Examines the conflicts surrounding the amassing, and distribution of capital. The growth of U.S. corporations, the rise of labor, and the evolution of the regulatory powers of the Federal and State governments are examined. Four lenses: economic, political, organizational, and biographical, are used to examine the subject.

LAF: DD  
 01 M, W 09:30AM-10:50AM DUK-313 AND F 09:30AM-10:30AM DUK-200 Randolph, Scott (WA)  
 02 M, W 02:30PM-03:50PM GRG-271 AND F 11:00AM-12:00PM DUK-200 Randolph, Scott (WA)  
 03 T, TH 09:30AM-10:50AM DUK-312 AND T 02:30PM-03:30PM DUK-200 Jensen, Jill (WA)  
 04 T, TH 01:00PM-02:20PM DUK-313 AND TH 02:30PM-03:30PM DUK-200 Jensen, Jill (WA)

**BUS-228-01 Globalization 1870-2015 4.00 credits**

Traces the evolution of capitalism in the United States, China, Japan, and Europe, reviewing varying cultural and political approaches which create varied economic models. Students will explore the issues of doing business in each of the above named nations or groups, through analysis of an assigned company.

LAF: DD  
 01 M, W 08:00AM-09:20AM DUK-300 AND M 06:15PM-07:15PM DUK-200 Osborn, Jack (WA)

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**BUS-240-01 Business Law 4.00 credits**

PREREQUISITE: BUS-226 OR BUS-228 [WITH GRADE OF 2.0 OR HIGHER] OR BY PERMISSION.

An introduction to the American legal system, our constitutional framework, the role of judicial decisions, and statutory law. Special emphasis is placed on business torts and contract law, along with other concepts important in the business world. ACCT 240 may be taken in lieu of BUS 240.

01 M, W 08:00AM-09:20AM DUK-301 TBA

02 M, W 09:30AM-10:50AM DUK-301 TBA

**BUS-305-01 Organizational Communication 4.00 credits**

This course examines current methods and best practices for communicating in organizations. Topics include the communication process, business writing, presentation design and delivery, non-verbal communication, active listening, interpersonal skills, and employment communication. Special emphasis is placed on analyzing audiences, having clarity of purpose, and using proper format.

01 T, TH 09:30AM-10:50AM DUK-206 Burgess, Holly

**BUS-310-01A Prncpls Mgmt, Org Behav 4.00 credits**

PREREQUISITE: BUS-136 [WITH MINIMUM GRADE OF 2.0 OR HIGHER], AND ACCT-210 [WITH MINIMUM GRADE OF 2.0 OR HIGHER], AND JUNIOR STANDING OR BY PERMISSION.

Dynamics of individual and group behavior are explored, in addition to selected topics of entrepreneurship, technology, and strategic planning. Students are asked to view the internal workings of organizations as well as to consider organizations in a larger, more global context. Classic and modern texts are used.

01A T, TH 09:30AM-10:50AM DUK-300 Winick, Mara

02A T, TH 11:00AM-12:20PM DUK-312 Burgess, Holly

03A T, TH 01:00PM-02:20PM DUK-201 Burgess, Holly

**BUS-312-01 Leadership 4.00 credits**

PREREQUISITE: SOPHOMORE STANDING OR HIGHER.

This course reflects the growing interest in leaders and the leadership process. The topic is explored through multiple perspectives. Theory and myth are confronted as students search for their own path and assess their unique styles. Students will conduct original research, examine leaders, and develop their skills through experiential experiences.

01 T, TH 01:00PM-02:20PM DUK-300 Robinson, Jill

**BUS-336-03A International Business 4.00 credits**

PREREQUISITE: BUS-226 OR BUS-228 WITH MINIMUM GRADE OF 2.0 OR HIGHER, AND JUNIOR STANDING OR BY PERMISSION.

Examines the relationship of world, regional, and national institutions and cultures to businesses operating within their environments. The major trading blocs of NAFTA and the European Union are studied, as well as the nature of trade and business with and within China, Japan, Mexico, and the European Union.

XLIST: AST

03A M, W 11:00AM-12:20PM DUK-301 Osborn, Jack

04A M, W 06:00PM-07:20PM DUK-312 Hutchens, Walter

05 T, TH 06:00PM-07:20PM DUK-313 Hutchens, Walter

**BUS-344-01 Brand Management 4.00 credits**

PREREQUISITE: BUS-136 WITH MINIMUM GRADE OF 2.0 OR HIGHER.

This course is designed to enhance students' marketing skills and understanding of specific marketing topics from a brand equity perspective. It is organized around the product and brand management decisions that must be made to build, measure, and manage brand equity.

01 T, TH 11:00AM-12:20PM HKE-102 Stauble, Vernon

**BUS-353-01 Financial Management 4.00 credits**

PREREQUISITE: ACCT-220 [MINIMUM GRADE OF 2.0 OR HIGHER], ECON-101 [MINIMUM GRADE OF 2.0 OR HIGHER], POLI-202 OR MATH-111 OR PSYC-250 OR ECON-200 OR A DEPARTMENT-APPROVED STATISTICS COURSE.

Study of financial planning and analysis, taxation, capital budgeting, risk and cost of capital, cash flow analysis, management of working capital and long-term funds, dividend policy and valuation.

01 T, TH 11:00AM-12:20PM DUK-301 Cha, Heung-Joo

02 T, TH 01:00PM-02:20PM DUK-301 Cha, Heung-Joo

**BUS-354-01 Investments 4.00 credits**

PREREQUISITE: BUS-353 OR ACCT-310 [WITH A MINIMUM GRADE OF 2.0 OR HIGHER] OR BY PERMISSION.

The course examines investment analysis and portfolio management through the study of the nature and functioning of securities markets, alternative investment opportunities, valuation of stock, fixed income securities, derivative securities.

01 T, TH 02:30PM-03:50PM DUK-301 Cha, Heung-Joo

**BUS-410-01 Organizational Consulting 2.00-4.00 credits**

RECOMMENDED: BUS-310

An advanced management class that places student teams in organizational settings solving real client challenges. Students use conventional and design thinking processes to develop strategy for connecting with stakeholders, improve operations and collect research key to decision making. Students are needed from across the college to make this class a success.

01 T, TH 11:00AM-12:20PM DUK-300 Winick, Mara

**BUS-430-01 Human Resource Mgmt 4.00 credits**

PREREQUISITE: BUS-240 [WITH MINIMUM GRADE OF 2.0 OR HIGHER], AND BUS-310 [WITH MINIMUM GRADE OF 2.0 OR HIGHER], AND SENIOR STANDING.

Issues in work-force management including staffing, employment equity, performance appraisal, compensation, employee benefits, training, and development.

XLIST: PSYC

01 T, TH 09:30AM-10:50AM DUK-313 Robinson, Jill

02 T, TH 11:00AM-12:20PM DUK-313 Robinson, Jill

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**BUS-430-02 Human Resource Mgmt 4.00 credits**

PREREQUISITE: BUS-240 [WITH MINIMUM GRADE OF 2.0 OR HIGHER], AND BUS-310 [WITH MINIMUM GRADE OF 2.0 OR HIGHER], AND SENIOR STANDING.

Issues in work-force management including staffing, employment equity, performance appraisal, compensation, employee benefits, training, and development.

XLIST: PSYC

**BUS-434-01 Applied Business Ethics 4.00 credits**

PREREQUISITE: BUS-310, WITH A MINIMUM GRADE OF 2.0 OR HIGHER AND SENIOR STANDING.

Exploration of historical and contemporary business dilemmas. Students will analyze workplace situations using a behavioral approach to identify the causes, alternatives, and avenues for averting future dilemmas. By understanding behaviors, graduates will have the potential to create and influence ethical workplaces.

XLIST: PLCY

01 F 09:30AM-12:30PM DUK-312 Pastuschek, Susanne

**BUS-451-01 Government & Business in China 4.00 credits**

PREREQUISITE: JUNIOR STANDING OR BY PERMISSION.

Examines the evolution of economic and political reforms beginning with the rise of Deng Xiaoping in 1976. Hong Kong's integration, relationship with Taiwan, rise of Shanghai, state-owned enterprises, and foreign direct investment are considered in the context of foreign corporations conducting business in China.

XLIST: AST

01 M, W 11:30AM-12:50PM HKE-104 Hutchens, Walter

**CDIS-100-02 Intro to Comm Science & Disord 4.00 credits**

The typical process of communication and a survey of the disorders that affect communication across the lifespan. Basics of observation, evaluation, treatment, and research. Guest faculty lectures in their areas of expertise support course lectures.

LAF: HB

02 W 06:00PM-09:00PM TRU-115 Shipman, Charli

03 T, TH 08:00AM-09:20AM TRU-114 Groher, Michael

**CDIS-156-01 American Sign Language I 4.00 credits**

Culture and language of the deaf in America. Focus on cultural values and linguistic features of American Sign Language (ASL), with exposure to other signed languages. Students learn basic conversational skills, including vocabulary and grammar forms, within the context of deaf culture. Comparative linguistics of ASL and English are covered.

LAF: FL

01 M, W 02:30PM-03:50PM HKE-104 Hale, Sara

02 M, W 06:00PM-07:20PM DUK-109 Hale, Sara

03 M, W 07:30PM-08:50PM DUK-109 Hale, Sara

**CDIS-204-01 Speech and Language Science 4.00 credits**

PREREQUISITE: CDIS-100, SOPHOMORE STATUS, OR BY PERMISSION, OR GRADUATE STATUS.

An introduction to the science of speech and language. Research and laboratory techniques are used to review the acoustic characteristics of speech, how speech sounds are formed, and how those sounds are perceived in language comprehension. The principles of language description and analysis are reviewed to provide a foundation for understanding typical and atypical language. Students also practice speech and language transcription and analysis through a laboratory experience.

01 M 06:00PM-09:00PM TRU-115 Conboy, Barbara

**CDIS-205-01 Audiology and Hearing Science 4.00 credits**

PREREQUISITE: CDIS-100, SOPHOMORE STATUS, OR BY PERMISSION, OR GRADUATE STATUS.

An introduction to the anatomy and physiology of the human hearing mechanism, the acoustics of sound, methods of testing the hearing of children and adults, and common auditory pathologies, hearing aids, and cochlear implants. Meets state audiometrist requirements.

01 TH 06:00PM-09:00PM TRU-115 Lindeman, Michael

**CDIS-206-01 Anatomy & Physiology of Comm 4.00 credits**

PREREQUISITE: CDIS-100, SOPHOMORE STATUS, OR BY PERMISSION, OR GRADUATE STATUS.

Functional anatomy and physiology of speech, swallow, and language mechanisms. Emphasis on how an understanding of head and neck physiology/anatomy impacts clinical diagnosis and management of communication and swallowing disorders.

01 M, W 08:00AM-09:20AM TRU-115 Groher, Michael

**CDIS-208-01 Statistical Methods 4.00 credits**

PREREQUISITE: SOPHOMORE STATUS.

This course will provide the foundation needed to understand concepts of an evidenced-based approach to clinical practice. Descriptive and inferential statistics will be covered, as well as hypothesis testing.

01 T, TH 09:30AM-10:50AM TRU-115 Cooperson, Solaman

**CDIS-307-01 Language Development 4.00 credits**

PREREQUISITE: CDIS-100, AND CDIS-204, AND JUNIOR STATUS, OR BY PERMISSION OR GRADUATE STATUS.

An introduction to the scientific study of language development in children from birth to early adulthood. Covers the phonological/perceptual, lexical, semantic, morphosyntactic, and pragmatic/social aspects of oral language development, and the early stages of written language development. Emphasis on theories of language acquisition, learning and sources of variation across children.

01 M, W 02:30PM-03:50PM TRU-115 Conboy, Barbara



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**CDIS-308-01 Language Disorders 4.00 credits**

PREREQUISITE: CDIS-100, AND CDIS-307 (MAY NOT BE TAKEN CONCURRENTLY WITH CDIS-307), AND JUNIOR STATUS, OR BY PERMISSION.

Examines language disorders in children and adults, focusing on specific developmental and acquired disorders.

01 T, TH 01:00PM-02:20PM TRU-115 Osborn, Lori

**CDIS-309-01 Phonetics and Phonology 4.00 credits**

PREREQUISITE: CDIS-100, AND JUNIOR STATUS, OR BY PERMISSION, OR GRADUATE STATUS.

An overview of articulatory and phonological features of the American English sound system and practice in phonetic transcription. Models of phonological theory and phonological development are reviewed as they apply to both typical and atypical speech and language development. Students learn the characteristics of speech sound disorders, speech analysis skills, and principles of intervention.

01 M, W 09:30AM-10:50AM TRU-115 Cooperson, Solaman

**CDIS-356-01 American Sign Language III 4.00 credits**

PREREQUISITE: CDIS-156, AND CDIS-256, OR INSTRUCTOR PERMISSION.

Continuing study of American Sign Language as used by the Deaf Community in the United States. Emphasis on comprehension skills, grammatical structure, syntax, and patterns of ASL. Brief practice and discussion on translation issues between ASL and English. Practical use of skills and knowledge to be expressed through community events.

01 M, W 01:00PM-02:20PM HKE-104 Hale, Sara

**CDIS-410-01 Special Topics in CDIS 4.00 credits**

PREREQUISITE: CDIS-100, AND CDIS-208, AND CDIS-307, AND CDIS-308, AND CDIS-309, AND SENIOR STATUS OR INSTRUCTOR PERMISSION.

This course provides students with in-depth study on a specific topic in the field of communication sciences and disorders. Course topics vary by semester.

01 T, TH 11:00AM-12:20PM TRU-115 Groher, Michael

**CDIS-411-01 Assmnt & Intervention in CDIS 4.00 credits**

PREREQUISITE: CDIS-307, CDIS-308 OR CDIS-309, MAJORS WITH SENIOR STATUS OR INSTRUCTOR PERMISSION

Introduces the undergraduate student to clinical management in the Truesdail Speech Center, familiarizing the student with principles of assessment and intervention for communication disorders, disorders in children and adults. Clinical case study investigation makes up a significant portion of the course. Students will complete an assistant clinician assignment in the Truesdail Center, which requires a commitment of two additional hours per week outside of class meetings. A student's grade point average in the CDIS major determines eligibility for the assistant clinician option.

01 M, W 01:00PM-02:20PM TRU-111 Wineinger, Cynthia

**CDIS-413-02 Comm Disorders Capstone 4.00 credits**

PREREQUISITE: CDIS-307, AND CDIS-308, AND CDIS-309, AND MAJORS WITH SENIOR STATUS OR INSTRUCTOR PERMISSION.

A selective clinical or research experience, together with a common classroom exploration, culminating in completion of the communicative disorders major. Will include oral and written demonstrations of knowledge, application of scientific theory, reflection and integration of liberal arts and communicative disorders knowledge and skills. There are 3 capstone options: (1) Honors, (2) Community Placement, and (3) Truesdail Clinic.

02 F 11:00AM-12:20PM TRU-111 Lasalle, Lisa

**CDIS-615-01 Neuropath of Spch, Lang & Cog 3.00 credits**

Discusses the neuroanatomic and neurophysiologic basis of the most common type of communicative disorders secondary to nervous system disease. The clinical, historical, psychometric, and laboratory findings to establish the differential diagnosis among disorders of cognition, language, and speech will be emphasized, as well as basic treatment and management approaches for those seen in the acute medical setting.

01 T, TH 08:00AM-09:20AM TRU-115 Munoz, Maria

**CDIS-619-02 Dev & Dis Spanish Speakers 3.00 credits**

PREREQUISITE: SATISFACTORY COMPLETION OF AT LEAST TWO SEMESTERS OF COLLEGE-LEVEL SPANISH OR PERMISSION OF THE INSTRUCTOR.

Addresses issues in bilingual development and processing; language disorders in Spanish-speaking children and adults; language assessment and intervention practices with bilingual children; and bilingual education. Prepares students to analyze error patterns in phonology, lexical-semantics, morphosyntax, and pragmatics in monolingual and bilingual Spanish speakers.

02 W 06:00PM-09:00PM TRU-114 Conboy, Barbara

**CDIS-623-01 Assmnt of Lang Dis in Chldrn 3.00 credits**

Survey of tests applied to children with language disorders; analysis of test content, diagnostic patterns, relationship between history, observation, and psychometrics.

01 M, W 01:00PM-02:20PM TRU-115 Osborn, Lori

**CDIS-626-01 Sem in Articulation and Phonol 3.00 credits**

Theories of phonological acquisition and the nature of disordered phonological development. Differential diagnosis and intervention for speech sound disorders in diverse populations.

01 T, TH 01:00PM-02:20PM TRU-114 Cooperson, Solaman

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**CDIS-627-02 Iss in Cult & Ling Diversity 3.00 credits**

Designed to help students develop cultural competence in working with individuals from diverse cultural and linguistic groups who have communication disorders. Students examine variations in cultural and linguistic practices and behaviors, discuss the implications of these differences in clinical and educational settings, and learn about nonbiased assessment and intervention strategies.

02 M 06:00PM-09:00PM TRU-114 Munoz, Maria

**CDIS-631-01 Disorders of Voice 3.00 credits**

Structure, function, and capabilities of the normal voice; etiologies, assessment strategies, and rehabilitative techniques of the disordered voice; problems of laryngeal cancer and subsequent voice restoration alternatives.

01 M, W 01:00PM-02:20PM TRU-114 Mitchell, Kerri

**CDIS-634-01 Clin Eval: Spch & Lang Path 3.00 credits**

PREREQUISITE: CDIS-623 OR BY PERMISSION.

Advanced problems in formal and informal assessment in speech and language pathology. Weekly practicum experience is required: preplanning, report writing, parent conferencing, home and school visits, and remedial planning. Extensive interaction with related professionals.

01 T, TH 09:00AM-11:00AM TRU-111 Wineinger, Cynthia

**CDIS-640-01 Adult Neurogenic Clinic 2.00 credits**

COREQUISITE: CDIS-640L

Clinical practicum with staffing discussion of principles, methods, and management procedures for the adult neurogenic population. This is required Specialty Clinic. Enrollment requires a weekly staffing meeting and assignment of a minimum of one client in the Truesdail Center. Prerequisite: Graduate standing.

01 M 11:00AM-12:20PM TRU-114 Shuler, Julie

**CDIS-640L-01 Adult Neurogenic Clinic Lab 0.00 credits**

COREQUISITE: CDIS-640

01 T, TH 10:00AM-11:00AM TRU-CLINIC Shuler, Julie  
 02 M, W 10:00AM-11:00AM TRU-CLINIC Shuler, Julie  
 03 T, TH 01:00PM-02:00PM TRU-CLINIC Shuler, Julie  
 04 T, TH 02:00PM-03:00PM TRU-CLINIC Shuler, Julie

**CDIS-641-01 Childhood Spch Sound Disorder 2.00 credits**

PREREQUISITE: GRADUATE STANDING. COREQUISITE: CDIS-641L

Clinical practicum with staffing discussion of principles, methods, and management procedures for the child speech sound disorders population. This is a required Specialty Clinic. Enrollment requires a weekly staffing meeting and assignment of a minimum of one client in the Truesdail Center.

01 T 11:00AM-12:20PM TRU-111 Mitchell, Kerri

**CDIS-641L-01 Childhood Spch Sound Dis Lab 0.00 credits**

COREQUISITE: CDIS-641

01 M, W 03:00PM-04:00PM TRU-CLINIC Mitchell, Kerri  
 02 M, W 04:00PM-05:00PM TRU-CLINIC Mitchell, Kerri

**CDIS-642-01 Autism Spectrum Disorders 2.00 credits**

PREREQUISITE: GRADUATE STANDING. COREQUISITE: CDIS-642L

Clinical practicum with staffing discussion of principles, methods, and management procedures for the autism spectrum disorders population. This is a required Specialty Clinic. Enrollment requires a weekly staffing meeting and assignment of a minimum of one client in the Truesdail Center.

01 TH 11:00AM-12:20PM TRU-111 Wineinger, Cynthia

**CDIS-642L-01 Autism Spectrum Disorders Lab 0.00 credits**

COREQUISITE: CDIS-642

01 T, TH 03:00PM-04:00PM TRU-CLINIC Wineinger, Cynthia  
 02 T, TH 04:00PM-05:00PM TRU-CLINIC Wineinger, Cynthia

**CDIS-643-01 School-Aged Language Clinic 2.00 credits**

PREREQUISITE: GRADUATE STANDING. COREQUISITE: CDIS-643L

Clinical practicum with staffing discussion of principles, methods, and management procedures for the school-aged language population. This is a required Specialty Clinic. Enrollment requires a weekly staffing meeting and assignment of a minimum of one client in the Truesdail Center.

01 T 11:00AM-12:20PM TRU-114 Osborn, Lori

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**CDIS-643L-01 School-Aged Language Clin Lab 0.00 credits**  
 COREQUISITE: CDIS-643

01 M, W 09:15AM-10:45AM TRU-CLINIC Osborn, Lori  
 02 T, TH 09:15AM-10:45AM TRU-CLINIC Osborn, Lori

**CDIS-644-01 Early Language Clinic 2.00 credits**  
 COREQUISITE: CDIS-644L

Clinical practicum with staffing discussion of principles, methods, and management procedures for the early language population. This is a required Specialty Clinic. Enrollment requires a weekly staffing meeting and assignment of a minimum of one client in the Truesdail Center.  
 Pre-requisite: Graduate Standing.

01 M 11:00AM-12:20PM TRU-111 Mitchell, Kerri

**CDIS-644L-01 Early Language Clinic Lab 0.00 credits**  
 COREQUISITE: CDIS-644

01 T, TH 10:00AM-11:00AM TRU-CLINIC Mitchell, Kerri  
 02 M, W 10:00AM-11:00AM TRU-CLINIC Mitchell, Kerri

**CDIS-645-01 Fluency Disorders Clinic 2.00 credits**  
 PREREQUISITE: GRADUATE STANDING. COREQUISITE: CDIS-645L  
 Clinical practicum with staffing discussion of principles, methods, and management procedures for those with fluency disorders. This is a required Specialty Clinic. Enrollment requires a weekly staffing meeting and assignment of a minimum of one client in the Truesdail Center.

01 W 02:30PM-03:50PM TRU-111 Lasalle, Lisa

**CDIS-645L-01 Fluency Disorders Clinic Lab 0.00 credits**  
 COREQUISITE: CDIS-645

01 M, W 05:00PM-06:00PM TRU-CLINIC Lasalle, Lisa  
 02 T, TH 03:00PM-04:00PM TRU-CLINIC Lasalle, Lisa

**CDIS-646-01 Dysphagia/Voice Disorders Clin 2.00 credits**  
 PREREQUISITE: CDIS-615 COREQUISITE: CDIS-646L

This course fits specialty clinic model for the Department of Communicative Disorders. Enrollment in this course requires completed or concurrent coursework in neuropathologies of speech, language and cognition. This course will meet the competency of teaching methodology and intervention of dysphagia and voice disorders. A maximum of 2 graduate units can be applied to graduate degree.

01 TH 08:30AM-09:25AM TRU-CLINIC Shuler, Julie

**CDIS-646L-01 Dysphagia/Voice Disorders Clin 0.00 credits**  
 COREQUISITE: CDIS-646

01 TH 09:30AM-12:00PM TBA Shuler, Julie

**CDIS-648-01 Aural Rehabilitation 2.00 credits**  
 PREREQUISITE: GRADUATE STANDING. COREQUISITE: CDIS-648L  
 Clinical practicum with staffing discussion of principles, methods, and management procedures for the aural rehabilitation population. Concurrent or completed coursework in the area of aural rehabilitation is required. This is required Specialty Clinic. Enrollment requires a weekly staffing meeting and assignment of a minimum of one client in the Truesdail Center.

01 TH 06:00PM-07:20PM TRU-111 Ruiz, Amanda

**CDIS-648L-01 Aural Rehabilitation Lab 0.00 credits**  
 COREQUISITE: CDIS-648

01 T, TH 04:00PM-05:00PM TRU-CLINIC Ruiz, Amanda  
 02 T, TH 05:00PM-06:00PM TRU-CLINIC Ruiz, Amanda

**CDIS-649-01 Child Speech & Language Clinic 2.00 credits**  
 PREREQUISITE: GRADUATE STANDING. COREQUISITE: CDIS-649L  
 Clinical practicum with staffing discussion of principles, methods, and management procedures for children who have speech and language disorders. This is a required Specialty Clinic. Enrollment required a weekly staffing meeting and assignment of a minimum of one client in the Truesdail Center.

01 M 05:00PM-06:00PM TRU-111 Marksbury, Kymberly

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**CDIS-649L-01 Child Speech & Lang Clinic Lab 0.00 credits**

COREQUISITE: CDIS-649

01 M, W 03:00PM-04:00PM TRU-CLINIC Marksbury, Kymberly  
02 M, W 04:00PM-05:00PM TRU-CLINIC Marksbury, Kymberly

**CDIS-652-01 Prin of Evidence-Based Prac 3.00 credits**

Students learn how to use external evidence from scientific sources in clinical decision making. The course covers treatment efficacy designs, external and internal validity, reliability, effect sizes; ethics; and controversies in intervention research. The course also provides a foundation for students who wish to conduct research.

01 M, W 08:00AM-09:20AM TRU-114 Lasalle, Lisa

**CDIS-655-01 Adv Aural Rehabilitation 3.00 credits**

Discussion and study of the intervention and assessment techniques for children and adults with hearing loss to further develop their speech and language abilities, cochlear implants, hearing aids and the efficacy of these technologies in communication, deaf culture, auditory processing disorders, genetics of hearing loss and review of audiology concepts. Meets state audiometrist certification requirements.

01 T 06:00PM-09:00PM TRU-114 Ruiz, Amanda

**CHEM-102-01 Intro Chemistry of Environment 4.00 credits**

Introductory course for students wishing to explore the science or needing preparation for General Chemistry. Topics in chemistry relevant to the environment, such as energy needs, pollution, and pesticides will be discussed. Three hours lecture. No background in chemistry is required; recommended for non-science majors.

LAF: M3 XLIST: EVST

01 T, TH 08:00AM-09:20AM GRG-175 Lyons, Rebecca

**CHEM-104-01 Whodunnit! Crse in Frnsc Sci 4.00 credits**

A course in forensic science intended to introduce the student to the role science plays in the criminal investigation process and the criminal justice system. This course will present the techniques, skills, and limitations of the modern crime laboratory for students with no background in the sciences.

LAF: M1

01 W, F 09:30AM-12:20PM HED-115 Glendening, Candace

**CHEM-131-01 General Chemistry 4.00 credits**

PREREQUISITE: SCORE OF HIGHER THAN 500 ON THE MATH SAT EXAM OR SCORE, HIGHER THAN 19 ON THE MATH ACT EXAM OR CO-REQUISITE OF, MATH-002L OR HIGHER MATHEMATICS COURSE OR PERMISSION OF, CHEMISTRY DEPARTMENT. COREQUISITE: CHEM-131L

Introduction to chemistry including properties, structure, and reactivity of atoms and molecules, with concurrent laboratory. First semester covers fundamental concepts of atomic structure, stoichiometry, aqueous reactions, states of matter, molecular structure and bonding, and thermochemistry. Second semester emphasizes group projects in equilibrium, electrochemistry, thermodynamics, kinetics, inorganic synthesis, and spectroscopy. Fall: four hours lecture and recitation, three hours laboratory. Spring: seven hours laboratory and group learning. Required for students majoring in biology, chemistry, or physics.

LAF: M1 XLIST: BIOCH, EVST

01 M, W, F 08:00AM-09:20AM GRG-177 Van Engelen, Debra

02 M, W, F 08:00AM-09:20AM GRG-270 Schrum, David

03 M, W, F 09:30AM-10:50AM GRG-177 Acquaye, John

04 M, W, F 11:00AM-12:20PM GRG-270 Wacks, Daniel

05 M, W, F 01:00PM-02:20PM GRG-177 Kumler, Brigid

**CHEM-131L-01 General Chemistry Lab 0.00 credits**

COREQUISITE: CHEM-131

01 M 01:00PM-03:50PM HED-214 Longin, Teresa

02 M 01:00PM-03:50PM HED-225 Lyons, Rebecca

03 T 08:00AM-10:50AM HED-214 Kumler, Brigid

04 T 08:00AM-10:50AM HED-225 Schrum, David

05 T 01:00PM-03:50PM HED-214 Kumler, Brigid

06 W 01:00PM-03:50PM HED-214 Lyons, Rebecca

07 TH 08:00AM-10:50AM HED-214 Kumler, Brigid

08 TH 01:00PM-03:50PM HED-214 Acquaye, John

09 F 09:30AM-12:20PM HED-214 TBA

10 F 01:00PM-03:50PM HED-214 Acquaye, John

**CHEM-231-01 Organic Chemistry 4.00 credits**

PREREQUISITE: CHEM-132 WITH A MINIMUM GRADE OF 2.0 OR HIGHER. COREQUISITE: CHEM-231L

The chemistry of carbon-containing compounds; their structure, nomenclature, physical properties, spectroscopy (IR, GC-MS, NMR), stereochemistry, chemical reactivities, mechanisms of reaction, and synthesis. Four hours lecture, three hours laboratory.

XLIST: BIOCH

01 M, W, F 11:00AM-12:20PM GRG-177 Ferracane, Michael

02 M, W, F 09:30AM-10:50AM GRG-270 Soulsby, David

03 M 06:00PM-07:20PM GRG-177 AND T, TH 09:30AM-10:50AM

GRG-177 Murray, Barbara

**CHEM-231L-01 Organic Chemistry Lab 0.00 credits**

COREQUISITE: CHEM-231

01 M 01:00PM-03:50PM HED-227 Soulsby, David

02 T 08:00AM-10:50AM HED-227 Soulsby, David

03 T 01:00PM-03:50PM HED-227 Acquaye, John

04 W 01:00PM-03:50PM HED-227 Ferracane, Michael

06 TH 01:00PM-03:50PM HED-227 Ferracane, Michael

07 F 01:00PM-03:50PM HED-227 TBA

**CHEM-320-01 Biochemistry 4.00 credits**

PREREQUISITE: CHEM-232 COREQUISITE: CHEM-320L

Study of the structure and function of biological molecules (including proteins, nucleic acids, carbohydrates, and lipids), enzymes, and metabolic pathways. Four hours lecture, three hours laboratory.

XLIST: BIOCH

01 M, W, F 08:00AM-09:20AM GRG-272 Wacks, Daniel

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**CHEM-320L-01 Biochemistry Lab 0.00 credits**

COREQUISITE: CHEM-320

01 TH 08:00AM-10:50AM HED-225 Wacks, Daniel  
02 TH 01:00PM-03:50PM HED-225 Wacks, Daniel  
03 F 01:00PM-03:50PM HED-225 Aronson, Benjamin

**CHEM-330-01 Analytical Chemistry 4.00 credits**

PREREQUISITE: CHEM-231, ONE COURSE FROM: MATH-119, MATH-121, MATH-122, OR MATH-221. COREQUISITE: CHEM-330L

Principles of analytical chemistry with emphasis on precise measurements and instrumental methods including molecular and atomic absorption spectrometry, potentiometric and electrolytic methods, separation techniques, chromatography, mass spectrometry, and other specialized instrumental techniques. Experimental design, sampling, and error reduction are studied along with statistical methods of evaluating uncertainty in laboratory results.

XLIST: BIOCH

01 M, W, F 11:00AM-12:20PM GRG-175 Schrum, David

**CHEM-330L-01 Analytical Chemistry Lab 0.00 credits**

COREQUISITE: CHEM-330

01 T 01:00PM-03:50PM HED-225 Van Engelen, Debra  
02 W 01:00PM-03:50PM HED-225 Van Engelen, Debra

**CHEM-332-01 Physical Chemistry II 4.00 credits**

PREREQUISITE: CHEM-132, AND MATH-122 (OR MATH-221) OR BY PERMISSION. PRE- OR CO-REQUISITE: PHYS-232 OR PHYS-221 OR BY PERMISSION.

Equilibrium thermodynamics and kinetics applied to the study of the physical and chemical properties of matter. CHEM 331 need not be taken before CHEM-332.

XLIST: BIOCH

01 M, W, F 09:30AM-10:50AM GRG-176 Longin, Teresa

**CHEM-378-01 Chemistry Research 1.00-3.00 credits**

Chemistry majors are required to complete 1-3 credit of research for graduation depending upon their selection of an option for the major and agreement with their research advisor.

XLIST: BIOCH

01 TH 11:00AM-12:20PM HED-202 AND T 01:00PM 03:30PM  
HED-202 Longin, Teresa  
02 TH 11:00AM-12:20PM HED-202 AND TH 01:00PM 03:30PM  
HED-202 Lyons, Rebecca

**CHEM-394-01 Chemistry Seminar 1.00 credits**

Required of majors during junior year and senior year, Fall and Spring. Activities include seminars by visiting faculty, discussions of current research, and preparation for the major field exam. Juniors prepare a seminar on their proposed senior research. Seniors prepare a seminar on a topic unrelated to their research. In their final semester, seniors prepare a seminar on their research. Seniors must submit an acceptable introduction to their thesis.

XLIST: BIOCH

01 T 11:00AM-12:20PM GRG-161 AND GRG-177 Lyons, Rebecca

**CHNS-101-01 Beginning Chinese (Mandarin) 4.00 credits**

Chinese language for students with no previous Chinese experience. Introduction to basic Chinese conversation and the Chinese writing system.

LAF: FL XLIST: AST

01 M, W, F 02:30PM-03:50PM GRG-176 Lu, Hongwei

**CHNS-201-01 Intmed Chinese (Mandarin) 4.00 credits**

PREREQUISITE: CHNS-101 AND CHNS-102 OR BY PERMISSION

Continuation of 101-102.

LAF: FL XLIST: AST

01 M, W, F 01:00PM-02:20PM HKE-102 TBA

**CHNS-301-01 Third Year Chinese (Mandarin) 4.00 credits**

PREREQUISITE: CHNS-202

Intermediate to Advanced Level Chinese. Enables students to communicate ideas and opinions comfortably in Chinese and to advance their reading and writing abilities. Emphasis on authentic materials and task-based activities and exercises. Approximately 800 new words will be introduced.

LAF: FL XLIST: AST

01 T, TH 02:30PM-03:50PM HOL-101 TBA

**CRWR-104-01 Non-Fiction Workshop I 4.00 credits**

Introductory literary nonfiction workshop encourages the revision process and includes peer review.

LAF: CP

01 T 01:00PM-03:50PM LAR-222 Brody, Leslie  
02 W 06:00PM-08:50PM HOL-211 TBA

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**CRWR-105-01 Poetry Workshop I 4.00 credits**

Beginning-level poetry writing workshop focusing primarily on student writing and stressing process.

LAF: CP

01 T 01:00PM-03:50PM HOL-115 Manesiotis, Joy

02 TH 01:00PM-03:50PM HOL-319 Angel, Ralph

**CRWR-304-01 Nonfiction Workshop III 4.00 credits**

PREREQUISITE: CRWR-204 OR BY PERMISSION.

Advanced writing course in writing literary nonfiction. May be repeated for degree credit for a maximum of 8 credits.

01 TH 01:00PM-03:50PM LAR-222 Brody, Leslie (WB)

**CRWR-107-01 Fiction Workshop I 4.00 credits**

Introductory fiction writing workshop with a primary focus on student writing, while stressing process.

LAF: CP

01 TH 01:00PM-03:50PM HOL-217 Bills, Gregory

02 M, W 01:00PM-02:20PM HOL-217 Geary, Patricia

**CRWR-305-01 Poetry Workshop III 4.00 credits**

PREREQUISITE: CRWR-205 OR BY PERMISSION.

Advanced poetry writing workshop with a focus on student writing. Further exploration and refinement of poetry writing skills through advanced workshop critiques. May be repeated for degree credit for a maximum of 8 credits.

01 T 01:00PM-03:50PM HOL-319 Angel, Ralph (WB)

**CRWR-204-01 Non-Fiction Workshop II 4.00 credits**

PREREQUISITE: CRWR-104 OR BY PERMISSION.

Intermediate literary nonfiction writing workshop encourages the revision process and includes peer review.

01 M 01:00PM-03:50PM LAR-222 Slaughter, Alisa

**CRWR-307-01 Fiction Workshop III 4.00 credits**

PREREQUISITE: CRWR-207 OR BY PERMISSION

Advanced fiction writing course designed for students interested in creating a significant work a novel or unified series of short stories. Plotting, structure, character development, and pacing are considered, and emphasis is placed on substantial progress toward completion of a project. May be repeated for degree credit for a maximum of 8 credits.

01 F 01:00PM-03:50PM LAR-222 Geary, Patricia (WB)

**CRWR-205-01 Poetry Workshop II 4.00 credits**

PREREQUISITE: CRWR-105 OR BY PERMISSION.

Intermediate poetry writing workshop with stress on process. In-depth exploration and refinement of skills.

01 TH 01:00PM-03:50PM HOL-115 Manesiotis, Joy

**CRWR-310-02 Creative Writing Seminar 4.00 credits**

PREREQUISITE: CRWR-104, CRWR-105, OR CRWR-107.

This is an upper-level seminar designed for Creative Writing majors, who must take it at least once. Topics will rotate but provide in-depth study for writers. May be repeated for degree credit for a maximum of 12 credits.

02 Creative Writing Seminar W 01:00PM-03:50PM HOL-325 Slaughter, Alisa

03 Literary Journalism/RR F 01:00PM-03:50PM HOL-213 Brody, Leslie

**CRWR-207-01 Fiction Workshop II 4.00 credits**

PREREQUISITE: CRWR-107 OR BY PERMISSION.

Intermediate fiction writing workshop with a focus on refinement and quality. Emphasis on completion and revision of short stories.

01 T 01:00PM-03:50PM HOL-217 Bills, Gregory

**CRWR-441-01 Senior Portfolio 4.00 credits**

PREREQUISITE: COMPLETION OF OR CONCURRENT ENROLLMENT IN AT LEAST ONE 300-LEVEL WORKSHOP.

Two-semester capstone project for Creative Writing majors and Johnston students with emphasis in Creative Writing. Students work individually with a writing faculty committee to develop a focused reading list, prepare a project proposal, and complete a manuscript.

01 TBA TBA-TBA TBA Bills, Gregory

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**CS-103-01 Intro to Multimedia 4.00 credits**

Introduction to interactive multimedia design and elements of interface design. Development of skills in creating interactive projects using animation, graphics, sound, virtual reality, and basic object-oriented programming to facilitate navigation.

LAF: M3 XLIST: MVC, VMS

01 T, TH 01:00PM-02:20PM LIB-112 Cornez, Patricia

**CS-110-01 Introduction to Programming 4.00 credits**

Introduction to problem-solving methods and algorithm development through the use of computer programming in the C++/JAVA language. Emphasis on data and algorithm representation. Topics include declarations, arrays, strings, structs, unions, expressions, statements, functions, and input/output processing.

LAF: M3

01 M, W, F 09:30AM-10:50AM LIB-140 Chakrapani, Pani

02 M, W, F 11:00AM-12:20PM LIB-104 Cornez, Patricia

03 M, W, F 01:00PM-02:20PM LIB-104 Cornez, Patricia

**CS-301-01 Business Analysis & Excel 4.00 credits**

PREREQUISITE: ACCT-220 OR CS-110

Data analysis and decision making is an integral part of any successful business and the study of large data sets with the help of the Microsoft Excel is the main focus of this course. The process that enable data consolidation to make meaningful business decisions will be studied in depth.

LAF: M3 XLIST: BUS

01 T, TH 09:30AM-10:50AM LIB-139 Chakrapani, Pani

**CS-323-01 Mobile Programming 4.00 credits**

PREREQUISITE: MATH-121

Introduction to the development of mobile device applications with an emphasis on programming for the latest Android platform. Topics will include the implementation of multi-touch gestures, sensor and camera events, threads and background tasks, and working with location services. Current development issues are also examined.

01 T, TH 11:00AM-12:20PM LIB-112 Cornez, Patricia

**CS-341-01 Software Engineering 4.00 credits**

PREREQUISITE: ONE CS COURSE AT 300-LEVEL

Introduction to the new and maturing field of software engineering. Topics include the management of expectations, computer technologies, people and their skills, time, cost, and other resources needed to create, test, and maintain a software product that meets the needs of computer users.

01 T, TH 01:00PM-02:20PM AHN-215 Chakrapani, Pani

**CSAC-300A-01 Community Service Activity 3.00 credits**

PREREQUISITE: GROUP AND/OR INDIVIDUAL MEETINGS WITH A CSL ADMINISTRATOR, PRIOR TO CONTRACT DEVELOPMENT AND APPROVAL FOR FALL AND, SPRING.

A 3-credit, 80 hour service activity with individual placement contracts where students independently select their own non-profit agency, school, or hospital to serve. Reflective components include journals, evaluations, time sheet, final paper and group verbal reflection.

LAF: CSAC

01 TBA TBA-TBA TBA Mueller, Tony

**CSAC-300B-01 Community Service Activity 0.00 credits**

PREREQUISITE: INDIVIDUAL MEETING WITH A CSL ADMINISTRATOR PRIOR TO CONTRACT DEVELOPMENT AND APPROVAL.

A 0-credit, 80 hour service-oriented internship, UofR service-learning course not cross-listed, or public service outside the University. Formal documentation of hours and a final reflective paper required. \*Zero credit options are offered to avoid overloading and to recognize past and/or paid service.

LAF: CSAC

01 TBA TBA-TBA TBA Mueller, Tony

**CSAC-301A-01 Service Learning: Tie-In Init 1.00-2.00 credits**

PREREQUISITE: INDIVIDUAL MEETING WITH A CSL ADMINISTRATOR PRIOR TO CONTRACT DEVELOPMENT AND APPROVAL.

In negotiation with CSL, students may earn 1 or 2 credits beyond the departmental course credits by tying service into the course experience (1 credit equals 30 hours of service and reflection; 2 credits doubles the service numbers). Reflective components include journals, evaluations, time sheet, final paper and group verbal reflection.

LAF: CSAC

01 TBA TBA-TBA TBA Mueller, Tony

**CSAC-302B-01 America Reads 0.00 credits**

PREREQUISITE: MUST BE HIRED AS AN AMERICA READS TUTOR THROUGH UNIVERSITY OF REDLANDS WORK STUDY PROGRAM.

Work-study students placed as America Reads tutors in local schools and after school programs may enroll in this section to fulfill their graduation requirement. Students work in K through 5th grades and focus on developing and improving literacy skills.

LAF: CSAC

01 TBA TBA-TBA TBA Sanborn, Erin

**CSAC-303A-01 Gardeners in Residence 3.00 credits**

PREREQUISITE: INDIVIDUAL MEETING WITH A CSL ADMINISTRATOR PRIOR TO CONTRACT DEVELOPMENT AND APPROVAL.

Gardeners in Residence (GIRs) perform general tasks such as planting, pruning, irrigation, weeding, harvesting and basic garden upkeep while planning and creating new garden area and projects as needed in Sustainable University of Redlands Farm and elsewhere. Reflective components include journals, evaluations, time sheet, final paper and group verbal reflection.

LAF: CSAC

01 TBA TBA-TBA TBA Rogers, Timothy

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**CSAC-303B-01 Gardeners in Residence 0.00 credits**

PREREQUISITE: INDIVIDUAL MEETING WITH A CSL ADMINISTRATOR PRIOR TO CONTRACT DEVELOPMENT AND APPROVAL. Gardeners in Residence (GIRs) perform general tasks such as planting, pruning, irrigation, weeding, harvesting and basic garden upkeep while planning and creating new garden area and projects as needed in Sustainable University of Redlands Farm and elsewhere. \*Zero credits options are offered to avoid overloading and to recognize past or paid service.

LAF: CSAC  
01 TBA TBA-TBA TBA Rogers, Timothy

**CSAC-304A-01 Big Buddies Mentoring 3.00 credits**

PREREQUISITE: MUST COMPLETE INTERVIEW PROCESS AND BE ACCEPTED AS A MENTOR, AS WELL AS MEETING WITH A CSL ADMINISTRATOR FOR APPROVAL AS PERMISSION PRIOR TO ENROLLMENT. An on-campus, child-centered mentoring program that provides positive college role models for elementary and middle school students. The program meets one night weekly and in a year-long commitment with an application process to become a mentor. Reflective components include journals, evaluations, time sheet, final paper and group reflection.

LAF: CSAC  
01 TBA TBA-TBA TBA Sanborn, Erin

**CSAC-304B-01 Big Buddies Mentoring 0.00 credits**

PREREQUISITE: MUST COMPLETE INTERVIEW PROCESS AND BE ACCEPTED AS A MENTOR, AS WELL AS MEETING WITH A CSL ADMINISTRATOR FOR APPROVAL AS PERMISSION PRIOR TO ENROLLMENT. An on-campus, child-centered mentoring program that provides positive college role models for elementary and middle school students. The program meets one night weekly and in a year-long commitment with an application process to become a mentor. \*Zero credit options are offered to avoid overloading and to recognize past service.

LAF: CSAC  
01 TBA TBA-TBA TBA Sanborn, Erin

**CSAC-305A-01 Totally Kids Outreach 3.00 credits**

PREREQUISITE: REQUIRES AN INDIVIDUAL MEETING WITH A CSL ADMINISTRATOR FOR CONTRACT DEVELOPMENT AND APPROVAL. TKO provides service to Totally Kids Rehabilitation Hospital. Students serve medically fragile children who are residents at the hospital helping facilitate recreation and sensory activities. This is a semester commitment with an orientation process. Reflection components include journals, evaluations, time sheet, final paper and group verbal reflection.

LAF: CSAC  
01 TBA TBA-TBA TBA Sanborn, Erin

**CSAC-305B-01 Totally Kids Outreach 0.00 credits**

PREREQUISITE: INDIVIDUAL MEETING WITH A CSL ADMINISTRATOR PRIOR TO CONTRACT DEVELOPMENT AND APPROVAL. TKO provides service to Totally Kids Rehabilitation Hospital. Students serve medically fragile children who are residents at the hospital helping facilitate recreation and sensory activities. This is a semester commitment with an orientation process. \*Zero credit options are offered to avoid overloading and to recognize past or paid service.

LAF: CSAC  
01 TBA TBA-TBA TBA Sanborn, Erin

**CSAC-306A-01 APO Service 3.00 credits**

PREREQUISITE: MUST BE A MEMBER OF THE APO ORGANIZATION. Alpha Phi Omega is a national service organization. Local members must complete 40 hours of group projects and 40 hours of individual service at one agency for CSAC requirement. Reflective components include journals, evaluations, time sheet, final paper, and group verbal reflection.

LAF: CSAC  
01 TBA TBA-TBA TBA Medvec, Jessica

**CSAC-306B-01 APO Service 0.00 credits**

PREREQUISITE: MUST BE A MEMBER OF THE APO ORGANIZATION. Alpha Phi Omega is a national service organization. Local members must complete 40 hours of group projects and 40 hours of individual service at one agency for CSAC requirement. \*Zero unit options are offered to avoid overloading and to recognize past service.

LAF: CSAC  
01 TBA TBA-TBA TBA Medvec, Jessica

**CSAC-307B-01 Non-Profit Work-Study 0.00 credits**

PREREQUISITE: STUDENTS MUST BE ELIGIBLE TO RECEIVE A WORK-STUDY AWARD THROUGH THE UNIVERSITY OF REDLANDS. The University of Redlands partners with non-profit agencies and schools allowing students to work as assistant case managers, volunteers coordinators, tutors or program assistants for non-profit agencies, schools or hospitals where they may fulfill their CSAC requirement.

LAF: CSAC  
01 TBA TBA-TBA TBA Sanborn, Erin

**CSAC-310A-01 CHAMPS Mentoring 3.00 credits**

PREREQUISITE: MUST COMPLETE INTERVIEW PROCESS AND BE ACCEPTED AS A MENTOR, AS WELL AS MEETING WITH A CSL ADMINISTRATOR FOR APPROVAL, AND PERMISSION PRIOR TO ENROLLMENT. College High School Alliance Program and Service (CHAMPS) provides high school students role models helping them achieve goals prior to and after graduation. CHAMPS meets one night weekly with a year-long commitment with an application process. Reflective components include journals, evaluations, time sheet, final paper and group reflection.

LAF: CSAC  
01 TBA TBA-TBA TBA Sanborn, Erin

**CSAC-310B-01 CHAMPS Mentoring 0.00 credits**

PREREQUISITE: MUST COMPLETE INTERVIEW PROCESS AND BE ACCEPTED AS A MENTOR, AS WELL AS MEETING WITH A CSL ADMINISTRATOR FOR APPROVAL, AND PERMISSION PRIOR TO ENROLLMENT. College High School Alliance Program and Service (CHAMPS) provides high school students role models helping them achieve goals prior to and after graduation. CHAMPS meets one night weekly with a year-long commitment with an application process. \*Zero credit options are offered to avoid overloading and to recognize past service.

LAF: CSAC  
01 TBA TBA-TBA TBA Sanborn, Erin



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**CSAC-313A-01 UHOP 3.00 credits**

PREREQUISITE: MUST COMPLETE INTERVIEW PROCESS AND BE ACCEPTED AS A MENTOR, AS WELL AS MEETING WITH A CSL ADMINISTRATOR FOR APPROVAL, AND PERMISSION PRIOR TO ENROLLMENT. University Humor Outreach Program (UHOP) uses the art of improv to build community within children's groups. UHOP meets weekly throughout the year for practice and provides workshops at child-centered community sites. Reflective components include journals, evaluations, time sheet, final paper and group verbal reflection.  
 LAF: CSAC  
 01 TBA TBA-TBA TBA Sanborn, Erin

**CSAC-313B-01 UHOP 0.00 credits**

PREREQUISITE: MUST COMPLETE INTERVIEW PROCESS AND BE ACCEPTED AS A MENTOR, AS WELL AS MEETING WITH A CSL ADMINISTRATOR FOR APPROVAL, AND PERMISSION PRIOR TO ENROLLMENT. University Humor Outreach Program (UHOP) uses the art of improv to build community within children's groups. UHOP meets weekly throughout the year for practice and provides workshops at child-centered community sites. \*Zero credit options are offered to avoid overloading and to recognize past service.  
 LAF: CSAC  
 01 TBA TBA-TBA TBA Sanborn, Erin

**CSAC-314A-01 Jasper's Corner Tutoring 3.00 credits**

PREREQUISITE: MUST COMPLETE INTERVIEW PROCESS AND BE ACCEPTED AS A TUTOR, AS WELL AS MEETING WITH A CSL ADMINISTRATOR FOR APPROVAL, AND PERMISSION PRIOR TO ENROLLMENT. Jasper's Corner tutors provides local K-12 students free homework assistance and tutoring at on- and off- campus locations. Jasper's Corner operates Monday through Thursday from 3:00 pm to 7:00 pm. Reflective components include journals, evaluations, time sheet, final paper and group verbal reflection.  
 LAF: CSAC  
 01 TBA TBA-TBA TBA Sanborn, Erin

**CSAC-314B-01 Jasper's Corner Tutoring 0.00 credits**

PREREQUISITE: MUST COMPLETE INTERVIEW PROCESS AND BE ACCEPTED AS A TUTOR, AS WELL AS MEETING WITH A CSL ADMINISTRATOR FOR APPROVAL, AND PERMISSION PRIOR TO ENROLLMENT. Jasper's Corner tutors provides local K-12 students free homework assistance and tutoring at on- and off- campus locations. Jasper's Corner operates Monday through Thursday from 3:00 pm to 7:00 pm. \*Zero credit options are offered to avoid overloading and to recognize past and/or paid service.  
 LAF: CSAC  
 01 TBA TBA-TBA TBA Sanborn, Erin

**CSAC-315A-01 ASUR Clubs & Organizations SV 3.00 credits**

PREREQUISITE: BY PERMISSION. Members of an on-campus club or organization may fulfill CSAC with 40 hours being completed with 10% of the organization participating in one agency. Additional 40 hours are done independently with organizations of the student's choice. Reflective components include journals, evaluations, time sheet, final paper and group verbal reflection.  
 LAF: CSAC  
 01 TBA TBA-TBA TBA Mueller, Tony

**CSAC-315B-01 ASUR Clubs & Organizations SV 0.00 credits**

PREREQUISITE: BY PERMISSION. Members of an on-campus club or organization may fulfill CSAC with 40 hours being completed with 10% of the organization participating in one agency. Additional 40 hours are done independently with organizations of the student's choice. \*Zero credit options are offered to avoid overloading and to recognize past service.  
 LAF: CSAC  
 01 TBA TBA-TBA TBA Mueller, Tony

**DNCE-122-01 Ballet 3.00 credits**

Study and practice of the technique and discipline of ballet. Beginning to advanced levels. No previous formal training required. May be repeated for degree credit for a maximum of 12 credits.  
 01 T, TH 09:30AM-10:50AM GYM-DAN Helms, Nancy

**ECON-100-01 Economics and Society 4.00 credits**

The course provides an analytical, non-technical introduction to the study of socio-economic issues from a variety of political economic perspectives. It explores the structure and fundamental dynamics of a market economy, interactions between individuals, markets, and government institutions, economic aspects of social issues, and moral dimensions of economic processes.  
 LAF: SE  
 01 T, TH 02:30PM-03:50PM DUK-201 Isenberg, Dorene  
 02 T, TH 11:30AM-12:50PM DUK-109 Cline, Nathaniel

**ECON-101-01 Principles of Economics 4.00 credits**

Introduction to the study of economic systems from a micro and macro perspective. The course includes economic principles underlying the process of consumption, production, and distribution in a market-oriented economy (microeconomics), and the structure, operation, measures, and major theoretical models of the whole economy (macroeconomics).  
 LAF: SE  
 01 T, TH 09:30AM-10:50AM DUK-102 Fazeli, Rafat  
 02 T, TH 01:00PM-02:20PM DUK-206 Fazeli, Rafat  
 03 M, W 09:30AM-10:50AM DUK-102 TBA  
 04 M, W 11:30AM-12:50PM DUK-102 TBA  
 05 M, W 02:30PM-03:50PM DUK-102 TBA  
 06 T, TH 11:00AM-12:20PM DUK-102 Garbo, Lorenzo

**ECON-233-01 Financial Systems 4.00 credits**

PREREQUISITE: ECON-100 OR ECON-101 [MINIMUM GRADE OF 2.0 OR HIGHER] OR BY PERMISSION. The creation of money and other financial assets is analyzed in the context of their use and distribution in different periods of capitalism. Emphasis is on the forms money takes and how those forms and their structures affect the economy's operation.  
 01 T, TH 09:30AM-10:50AM DUK-201 Isenberg, Dorene  
 02 T, TH 11:30AM-12:50PM DUK-201 Isenberg, Dorene

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**ECON-240-01 Econ of Race, Class & Gender 4.00 credits**

PREREQUISITE: ECON-100 OR ECON-101 [MINIMUM GRADE OF 2.0 OR HIGHER] OR BY PERMISSION.

The economic position of women and minorities in society. Racial and sexual discrimination, women's labor force participation, occupational segregation, domestic work, immigration of workers, and racial marginalization in market economies. Mediating influences such as education, spatial forces, and institutional and public policies. Gender/race relations in industrial/Third World countries.

LAF: DD XLIST: REST, WGS

01 T, TH 11:30AM-12:50PM DUK-206 Fazeli, Rafat

**ECON-304-01 Economic History 4.00 credits**

PREREQUISITE: ECON-101 [MINIMUM GRADE OF 2.0 OR HIGHER REQUIRED], AND ECON-200 [MINIMUM GRADE OF 2.0 OR HIGHER REQUIRED] OR BY PERMISSION.

Broad themes in global economic history. Topics include pre-capitalistic economic society, the rise of capitalism, causes and consequences of the industrial revolution, and divergence in the long-run growth experience of countries.

LAF: HH Open for contract/evaluation.

01 T, TH 02:30PM-03:50PM DUK-206 Cline, Nathaniel (WB)

**ECON-310-01 Research Methods in Economics 2.00 credits**

PREREQUISITE: ECON-101 [MINIMUM GRADE OF 2.0 OR HIGHER], AND ECON-200 [MINIMUM GRADE OF 2.0 OR HIGHER] OR BY PERMISSION.

Fundamentals of the research process in economics, including specification of research questions. Identification and use of sources, statements and claims, and communication of the results of a research project. Introduction and comparison of the range of economic methodologies.

01 W 02:30PM-03:50PM DUK-108 Isenberg, Dorene

**ECON-350-01 Microeconomic Theory 4.00 credits**

PREREQUISITE: ECON-101 [MINIMUM GRADE OF 2.0 OR HIGHER], AND MATH-118 AND MATH-119 SEQUENCE OR MATH-121 OR BY PERMISSION [MINIMUM GRADE OF 2.0 OR HIGHER IN EACH COURSE].

Theory of the household, the firm, and the market. The logic of market decision-making, resource allocation, and efficiency questions.

01 T, TH 01:00PM-02:20PM DUK-102 Garbo, Lorenzo

**ECON-351-01 Macroeconomic Theory 4.00 credits**

PREREQUISITE: ECON-101 [MINIMUM GRADE OF 2.0 OR HIGHER], ECON-200 [MINIMUM GRADE OF 2.0 OR HIGHER], AND MATH-118 AND MATH-119 SEQUENCE OR MATH-121 OR BY PERMISSION [MINIMUM GRADE OF 2.0 OR HIGHER IN EACH COURSE].

The use of theoretical tools to explain the level and changes in aggregate income, employment, and price level; classical, Keynesian, and new classical approaches; application of theory to problems of national economic policy.

01 T, TH 09:30AM-10:50AM DUK-108 Cline, Nathaniel

**ECON-400-01 Intro to Econometrics 4.00 credits**

PREREQUISITE: ECON-200 [WITH MINIMUM GRADE OF 2.0 OR HIGHER], AND ECON-350 [MINIMUM GRADE OF 2.0 OR HIGHER].

Application of descriptive and inferential statistics to the measurement and testing of various economic models. Diagnosis and correction of various problems with empirical research: specification errors, multicollinearity, heteroscedasticity, serial correlation, and simultaneity. Statistical software used to implement estimation techniques.

LAF: M3 XLIST: PLCY

01 T, TH 11:30AM-12:50PM DUK-200 Shunda, Nicholas

**EDUG-331-01 Child Development 3.00 credits**

Cognitive, social, and language development of children from birth through adolescence; various learning theories and their implications for the timing of instruction; developmental implications for teaching the whole child.

01 M, W 02:30PM-03:50PM NUH-111 Jensen, Kathi

02 TH 06:00PM-09:00PM LAR-123 Helvey, Diane

**EDUG-400A-01 Multpl Subj Fieldwork Clinic I 1.00 credits**

PREREQUISITE: PERMISSION FROM THE SCHOOL OF EDUCATION.

Candidates will focus on the successful completion of the Teacher Performance Assessment (TPA) Task 1: Principles of Content-Specific and Developmentally Appropriate Pedagogy. Responses will require observation in classrooms and work with individual student learners. Equivalent to EDUC-500A.

01 TBA TBA-TBA TBA Castino, Joe

**EDUG-400B-01 Multpl Subj Fieldwork Clinic II 1.00 credits**

PREREQUISITE: PERMISSION FROM THE SCHOOL OF EDUCATION.

Candidates will focus on the successful completion of the Teacher Performance Assessment (TPA) Task II: Principles of Content-Specific and Developmentally Appropriate Pedagogy. Responses will require observation in classrooms and work with individual student learners. Equivalent to EDUC-500B.

01 TBA TBA-TBA TBA Castino, Joe

**EDUG-400C-01 Single Subj Fieldwork Clinic I 1.00 credits**

PREREQUISITE: PERMISSION FROM THE SCHOOL OF EDUCATION.

Candidates focus on the successful completion of the Teacher Performance Assessment (TPA) Task I: Principles of Content-Specific and Developmentally Appropriate Pedagogy. Responses will require observation in classrooms and work with individual student learners.

01 TBA TBA-TBA TBA Franklin, Carol

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**EDUG-400D-01 Single Subj Fieldwork Clinc II 1.00 credits**

PREREQUISITE: PERMISSION FROM THE SCHOOL OF EDUCATION. Candidates will focus on the successful completion of the Teacher Performance Assessment (TPA) Task II: Principles of Content-Specific and Developmentally Appropriate Pedagogy. Responses will require observation in classrooms and work with individual student learners. Equivalent to EDUC-500D.

01 TBA TBA-TBA TBA Franklin, Carol

**EDUG-401-01 Educational Foundations 3.00 credits**

PREREQUISITE: PERMISSION TO ENROLL IN THE TEACHER CREDENTIAL COURSES FROM THE SCHOOL OF EDUCATION.

Introduction to the field of education- its history, philosophy, socio-cultural context, diversity, pedagogy, educational psychology, legal issues, and educational reform. Integrates traditional educational thinking with culturally relevant perspectives and current research practices. Field experiences required with observations and reflections. Not open to students who have received credit for EDUC 501.

01 T, TH 09:30AM-10:50AM GRG-175 Hunt, Christopher  
 ED29 M, W 05:30PM-09:30PM TBA Kuanda, Tayari  
 ED30 T, TH 05:30PM-09:30PM TBA Kuanda, Tayari

**EDUG-402-01 Tchng & Lrng in Scndry Schls 3.00 credits**

PREREQUISITE: EDUG-401 AND PERMISSION FROM THE SCHOOL OF EDUCATION.

Introduction to adolescent development, curriculum instructional methods, assessment, and diagnostic strategies pertaining to secondary schools. Focus includes teaching and assessment methodology, including methodologies of English Language Development (ELD) and Specially Designed Academic Instruction in English (SDAIE). Field experience required. Not open to students who have received credit for EDUC 502.

01 T, TH 09:30AM-10:50AM NUH-111 Hamilton, Gregory  
 ED30 T, TH 05:30PM-09:30PM TBA TBA

**EDUG-403-01 Mult Subj Curr & Meth I 3.00 credits**

PREREQUISITE: EDUG-401 AND PERMISSION FROM THE SCHOOL OF EDUCATION.

Elementary math and science teaching strategies and curriculum. Integrates health, physical education, visual arts, and music. Teaching informed by California K-12 content standards and frameworks with a focus on assessment and ELD/SDAIE strategies. Experiences with hands-on, computer-based inquiry lesson development. Field experience required. Not open to students who have received credit for EDUC 503.

01 T, TH 11:00AM-12:20PM TBA TBA  
 ED29 M W 05:30PM-09:30PM TBA TBA

**EDUG-404N-ED30 Single Subj Literacy & Lang 3.00 credits**

PREREQUISITE: EDUG-401 AND PERMISSION FROM THE SCHOOL OF EDUCATION.

Develops understanding of the theoretical frameworks and processes involved in secondary literacy instruction. Fundamentals of language-acquisition theory, including basic concepts in linguistics will be covered. Focuses on content-based literacy instruction. Provides an introduction to systematic, explicit, and meaningfully-applied instruction in reading, writing, and related language skills. Field experience required. Not open to students who have received credit for EDUC 504.

ED30 T, TH 05:30PM-09:30PM TBA TBA

**EDUG-405N-ED29 Mult Subj Litrcy & Lang I 3.00 credits**

PREREQUISITE: EDUG-401 AND PERMISSION FROM THE SCHOOL OF EDUCATION.

Develops understanding of theoretical frameworks and processes in elementary literacy instruction. Fundamentals of language-acquisition theory, including linguistic concepts will be covered. Focuses on emerging literacy-instruction strategies for English learners and English speakers. Provides an introduction to systematic, explicit, and meaningfully-applied instruction in reading, writing, and related language skills. Field experience required. Not open to students who have received credit for EDUC 505.

ED29 M, W 05:30PM-09:30PM TBA TBA

**EDUG-406-01 Single Subj Content Teaching 3.00 credits**

PREREQUISITE: EDUG-401 AND PERMISSION FROM THE SCHOOL OF EDUCATION.

Development of methodology and strategies related to curriculum and instructional methods, assessment, and diagnostic strategies, pertaining to the content areas in secondary schools. Focus includes teaching and assessment methodology, including advanced teaching methodology Cognitive Academic Language Learning Approach (CALLA). Field experience required. Not open to students who have received credit for EDUC 506.

01 T, TH 11:00AM-12:20PM LIB-104 Hamilton, Gregory  
 ED30 T, TH 05:30PM-09:30PM TBA TBA

**EDUG-407-01 Mult Subj Curr & Meth II 3.00 credits**

PREREQUISITE: EDUG-401 AND PERMISSION FROM THE SCHOOL OF EDUCATION.

Elements of curriculum design, assessment, and classroom management. Emphasis on the integration of language arts, social studies, physical education, performing arts, and health with math and science. Includes content standards, frameworks, and ELD/SDAIE strategies. Field experience required. Not open to students who have received credit for EDUC 507.

01 T, TH 09:30AM-10:50AM HOL-111 Urbina, Lonnie  
 ED29 M, W 05:30PM-09:30PM TBA TBA

**EDUG-408N-ED28 Single Subj Content Area Lit 3.00 credits**

PREREQUISITE: EDUG-401 AND PERMISSION FROM THE SCHOOL OF EDUCATION.

Develops understanding of theoretical frameworks and processes in secondary-literacy instruction. Focuses on literacy development in the content areas. Candidates develop strategies to promote the reading-writing connection. Discussion focuses on explicit strategies and methods for guiding and developing the content-based reading and writing abilities of all students. Field experience required. Not open to students who have received credit for EDUC 508.

ED28 T, TH 05:30PM-09:30PM AHN-116 Depriest, Ekko

**EDUG-409N-ED27 Mult Subj Litrcy & Lang II 3.00 credits**

PREREQUISITE: EDUG-401 AND PERMISSION FROM THE SCHOOL OF EDUCATION.

Enhances understanding of the theoretical frameworks and processes involved in elementary literacy instruction. Focuses on effective practices to promote literacy skills among students of diverse cultures, languages, gender, ethnicity, and children with special needs. Introduces elementary curriculum, and addresses early diagnostic and intervention techniques. Not open to students who have received credit for EDUC 509.

ED27 M, W 05:30PM-09:30PM NUH-112 Flores, Nirmla

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**EDUG-452N-ED27 Teaching Seminar 3.00 credits**

PREREQUISITE: PERMISSION FROM THE SCHOOL OF EDUCATION.  
Culmination of the Teacher Credential Program. Consists of a series of topics designed to further develop candidates' professional preparation. Serves also as a summary of course and fieldwork experience. Provides time for candidates to link theory to daily practice and prepares them for seeking a position in a school district. Not open to students who have received credit for EDUC 552.

ED27 M 05:30PM-08:30PM NUH-112 TBA  
ED28 T 05:30PM-08:30PM AHN-116 TBA

**EDUG-453AN-ED28 Student Teaching I 5.00 credits**

PREREQUISITE: PERMISSION FROM THE SCHOOL OF EDUCATION.  
COREQUISITE: EDUG-452  
Supervised classroom experiences in Pre-K through grade 12. Full-day student teaching required for one semester, constituting a full-time job. Student teaching placements are arranged prior to student teaching by the Director of Fieldwork Experiences. EDUG-453A must be scheduled concurrently with EDUG 452 Teaching Seminar. Not open to students who have received credit for EDUC-553A.

ED28 M, T, W, TH, F 09:00AM-04:00PM TBA Drallos, Margo

**EDUG-453BN-ED27 Student Teaching II 5.00 credits**

PREREQUISITE: PERMISSION FROM THE SCHOOL OF EDUCATION.  
RECOMMENDED: EDUG-452  
Supervised classroom experiences in Pre-K through grade 12. Full-day student teaching required for one semester, constituting a full-time job. Credit for both 453A and 453B precedes recommendation for a multiple or single subject credential. Student teaching placements are arranged prior to student teaching by the Director of Fieldwork Experiences. Must be taken with the second half of EDUG-452. Not open to students who have received credit for EDUC-553B.

ED27 M, T, W, TH, F 09:00AM-04:00PM TBA Drallos, Margo  
ED28 M, W, TH, F 09:00AM-04:00PM TBA Drallos, Margo

**ENGL-100-01 Analytical Reading and Writing 4.00 credits**

Instruction and practice in 'having something to say' in response to academic texts. Equal attention to reading critically to interpret arguments and writing to participate in academic conversations. Students will practice purposeful reading, inferential reasoning, and revision of personal insights into arguable claims.

01 M, W 09:30AM-10:50AM HOL-217 Callahan, Bridgette  
02 M, W 01:00PM-02:20PM LAR-231 TBA

**ENGL-102-01 Academic Writing Seminar 4.00 credits**

Seminar in critical reading and analytical writing from sources, emphasizing writing as decision-making throughout the writing process. Students will construct several claim-driven writing projects through repeated practice in generating, focusing, and refining ideas. Instruction in basic research strategies and citation conventions for arguments grounded in reference to other texts. Restricted grading option: students must earn a grade of 2.0 to receive credit.

01 M, W 08:00AM-09:20AM HOL-211 TBA (WA)  
02 T, TH 08:00AM-09:20AM LIB-104 Hansler, Kathryn (WA)  
03 M, W 09:30AM-10:50AM HOL-211 Fite, David (WA)  
04 T, TH 09:30AM-10:50AM LIB-104 Hansler, Kathryn (WA)  
05 M, W 11:30AM-12:50PM HOL-211 Dolphin, William (WA)  
06 T, TH 11:30AM-12:50PM HOL-217 Pearson, Ted (WA)  
07 M, W 01:00PM-02:20PM DUK-201 Dolphin, William (WA)  
09 M, W 02:30PM-03:50PM HOL-207 Fite, David (WA)  
10 T, TH 02:30PM-03:50PM HOL-209 Ingram, Claudia (WA)  
11 T, TH 02:30PM-03:50PM HOL-211 Bond, Lauren (WA)

**ENGL-126-01 Literary Inquiries 4.00 credits**

Explores different kinds of literature- stories, poems, and plays- studying idiom and culture. In discussion students discover new ways to interpret literature. In their critical writing they investigate and employ the power of language. They acquire a grounding in the analytic practice for the serious study of literature.

LAF: HL  
01 W, F 09:30AM-10:50AM HOL-207 King Shamp, Heather (WA)

**ENGL-161-01 Not Your Father's Essay 4.00 credits**

Selected topics, themes, or authors in literary fields. May be repeated for degree credit, given different topics, for a maximum of 8 credits.

LAF: HL  
01 T, TH 09:30AM-10:50AM HOL-207 King Shamp, Heather

**ENGL-201-01 Critical Reading 4.00 credits**

PREREQUISITE: ONE 100-LEVEL LITERATURE CLASS OR COMPARABLE FIRST-YEAR SEMINAR OR BY PERMISSION.

An introduction to close critical reading of texts in several genres and to argument about literary texts. Students will attend to the characteristics and effects of literary language, and will explore varieties of form, structure, style, and genre. They will also be introduced to a basic vocabulary of literary critical terms.

01 T, TH 02:30PM-03:50PM HOL-207 Oster, Sharon

**ENGL-212-01 Fiction 4.00 credits**

Survey of representative English, American, and European novels from the Eighteenth Century to the present.

LAF: HL  
01 M, W 01:00PM-02:20PM HOL-207 Fite, David

**ENGL-213-02 Drama 4.00 credits**

Study of dramatic forms in various cultures and periods. May be repeated for degree credit given a different topic.

LAF: HL  
02 M, W 02:30PM-03:50PM HOL-213 Carrick, Nancy

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**ENGL-221-01 Shakespeare to 1600 4.00 credits**

The first semester, Shakespeare to 1600, covers early plays and the sonnets, the literary traditions and backgrounds of the plays, Shakespeare's language and theater.

01 T, TH 02:30PM-03:50PM HOL-213 Carrick, Nancy

**ENGL-331-01 Amer Lit: Indust & Enterprise 4.00 credits**

RECOMMENDED: ENGL-201 OR ENGL-202  
 Between the Civil War and World War I, America experiences a 'golden age,' a 'gilded age,' and an 'age of industry.' In what manner, and on whose terms, does America come to recognize itself and its experience? May include works by Whitman, Dickinson, Chestnut, Twain, James, Wharton, Crane, and Dreiser.

01 T, TH 11:30AM-12:50PM HOL-207 Oster, Sharon

**ENGL-233-01 African American Literature 4.00 credits**

Literature from the 18th Century to the present. Major trends and themes are examined from historical, social, and psychological perspectives.

LAF: DD, HL XLIST: REST

01 M, W 09:30AM-10:50AM HOL-209 Lloyd, Sheila

**ENGL-351-01 Postcolonial & Global Lit/Crit 4.00 credits**

RECOMMENDED: ENGL-201 OR ENGL-202  
 Survey of critical and creative texts from nations that have experienced colonization by European empires, particularly Britain. Studies how national, cultural, and individual identities have been radically altered by this experience. Themes include identity, power, migration, race, gender, representation and resistance. Pays close attention to social, cultural and historical contexts.

LAF: DD, HL, M3 XLIST: BIOL, REST, WGS

01 M, W 01:00PM-02:20PM HOL-211 Jha, Priya

**ENGL-237-01 Immigrant Literature 4.00 credits**

Introduction to literature of U.S. immigration from the 19th century to the present. We will explore immigrant experience in terms of race, ethnicity, and national identity, cultural, religious, gender, and generational tensions, and assimilation in theory and practice, from the perspectives of those in the process of becoming Americans.

LAF: HL XLIST: REST

01 T, TH 09:30AM-10:50AM HOL-209 Oster, Sharon

**ENGL-402-01 Hist of Lit Criticism & Theory 4.00 credits**

PREREQUISITE: JUNIOR STANDING OR BY PERMISSION.  
 Survey of literary criticism from ancient times to the middle of the Twentieth Century. Combines representative readings of influential critics with imaginative writing.

01 T, TH 09:30AM-10:50AM HOL-217 Cavender, Anne

**ENGL-250-01 Theories of Popular Culture 4.00 credits**

Why should we take popular culture seriously, and how do we read it critically? An introduction to the methods, issues, and theories developed and applied within the interdisciplinary field of Cultural Studies, including semiotics, structuralist and post-structuralist approaches, ideological analyses, as well as feminist and ethnic studies-based methods.

XLIST: MVC, REST, VMS, WGS

01 M, W 11:00AM-12:20PM HOL-207 Jha, Priya (WA)

**ENGL-420-01 Senior Seminar in Lit 4.00 credits**

RECOMMENDED: SENIOR STANDING  
 Capstone course designed to allow students to reflect upon and synthesize their work in the major. Requirements include: a portfolio of representative work, including a reflective narrative; a teaching component; a research-supported essay demonstrating substantial new work, whether a revision of a previous essay or a new undertaking.

01 T, TH 01:00PM-02:20PM HOL-213 Tschann, Judith (WB)

**ENGL-308-01 Mentoring College Writers 4.00 credits**

PREREQUISITE: COMPLETION OF WA REQUIREMENT.  
 Introduction to Writing Studies and the theory and practice of mentoring college writers. Course includes applied practice in group and individual tutoring.

01 M, W 02:30PM-03:50PM HOL-217 Callahan, Bridgette (WB)

**ENGL-X04-01 Writing Studio 1.00 credits**

Weekly, one-hour, facilitated group workshop to analyze and discuss papers in development for other university courses. Study of student and professional texts to understand how rhetorical moves in writing vary by situation and genre.

01 TBA TBA-TBA TBA Stevens, Scott

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**EVST-100-01 Intro to Environmental Studies 4.00 credits**

Overview of the major causes and consequences of pollution, natural resource depletion, and loss of biological diversity. The primary objective is to develop an interdisciplinary understanding of our natural environment, the human impacts that degrade it, and the measures we can take to protect and restore environmental quality.

01 M, W, F 09:30AM-10:50AM LEW-136 McIntyre, Blodwyn  
 02 M, W 11:00AM-12:20PM LEW-102 Klooster, Daniel

**EVST-205-01 Great Environmental Disasters 4.00 credits**

This course examines great environmental disasters that have occurred throughout geologic time. From the impact that resulted in the extinction of the dinosaurs to the volcanic eruptions at Pompeii to the aftermath of Hurricane Katrina, we develop an understanding of these events and their impacts from an earth science perspective.

LAF: M1  
 01 LEC T, TH 09:30AM-10:50AM LEW-136 ; LAB F 09:30AM-12:20PM LEW-102 Jenkins, Hillary

**EVST-215-01 Literature of Amer Environmnt 4.00 credits**

Investigation of the ways in which American experience with Nature is both shaped by and reflected through literary fiction and non-fiction, as well as poetry.

LAF: HL XLIST: ENGL, HAST  
 01 T, TH 08:00AM-09:20AM HOL-209 Cavender, Anne (WB)

**EVST-220-01 Physical Geography 4.00 credits**

PREREQUISITE: EVST-100 OR BY PERMISSION.  
 Exploration of the physical geography of Earth by examination of lithospheric, atmospheric, hydrological, and biological processes. Laboratory includes field methods, topographic map reading, and in-depth discussion of these principles.

LAF: M1 XLIST: LAST, SPA  
 01 LEC M, W 11:00AM-12:20PM LEW-110 ; LAB M 01:00PM-03:50PM LEW-102 Krantz, Timothy  
 02 LEC M, W 09:30AM-10:50AM LEW-110 ; LAB W 01:00PM-03:50PM LEW-102 Krantz, Timothy

**EVST-230-01 Biodiversity 4.00 credits**

PREREQUISITE: EVST-100 OR BY PERMISSION.  
 Examination of global and local biodiversity and the causes and implications of biodiversity decline. Emphasis on threatened and endangered species and human activities related to the decline of species. This course is field trip and project intensive.

LAF: M1 XLIST: HAST, SPA  
 01 LEC M, W, F 11:00AM-12:20PM LEW-111 ; LAB W 01:00PM-03:50PM LEW-111 McIntyre, Blodwyn

**EVST-235-01 Environmental Impact Assmnt 4.00 credits**

PREREQUISITE: EVST-100, AND COMPLETION OF A WA COURSE.  
 Comprehensive overview of environmental impact assessment. Federal and State legislative foundations governing the content and process of environmental review are examined. Culminates in preparation of an environmental impact report analyzing the potential impacts and mitigations.

01 M, W 08:00AM-09:20AM LEW-111 TBA

**EVST-242-01 Food & Nature 4.00 credits**

RECOMMENDED: EVST-100  
 Examines the ways production, trade, and consumption of food affects workers, consumers, and ecosystems. Topics include the political economy of food systems genetically modified food, biofuels, the carbon footprints, the modern meat system, and potential solutions such as Fair Trade, organic certification, the slow food movement, and local food.

XLIST: HAST, LAST  
 01 M, W 01:00PM-02:20PM LEW-110 Klooster, Daniel

**EVST-245-01 Marine Environmental Studies 4.00 credits**

PREREQUISITE: EVST-100 OR BY PERMISSION.  
 Overview of human environmental influence on the oceans. Combines the study of marine science, policy, and management in an effort to understand environmental protection issues arising from coastal development, overfishing, climate change, oil spills, and other threats to marine ecosystems.

XLIST: HAST  
 01 M, W 09:30AM-10:50AM LEW-111 Hempel, Lamont

**EVST-250-01 Environmental Design Studio I 4.00 credits**

PREREQUISITE: EVST-100, AND EVST-110 OR BY PERMISSION.  
 Students work collaboratively in teams on environmental problem-solving projects. Many studios make use of GIS and other spatial analysis tools. Research concepts and tools become more complex in advanced levels of this sequence.

LAF: CSAC XLIST: SPA  
 01 T, TH 01:00PM-02:20PM LIB-104 Dyl, Joanna

**EVST-260-01 Green Design 1.00 credits**

Topics of current interest in environmental studies such as energy, air quality, water, and environmental justice. May be repeated for degree credit up to a maximum of 8 credits.

01 T, TH 09:30AM-10:50AM LEW-110 Spee, James

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**EVST-260-07 Environmental Justice 4.00 credits**

Topics of current interest in environmental studies such as energy, air quality, water, and environmental justice. May be repeated for degree credit up to a maximum of 8 credits.

LAF: DD Open for contract/evaluation.

07 T, TH 11:00AM-12:20PM LEW-110 Dyl, Joanna

**EVST-290-01 Environmental Geology 4.00 credits**

PREREQUISITE: EVST-100, AND MATH-101 OR HIGHER.

This course investigates how critical events in Earth history have shaped the landscape that we see today. Main topics include mountain building, volcanoes, faulting, glaciers, oceans and coastlines, energy resources, the geology of Southern California and global climate change. Course includes a weekly lab/field component.

LAF: M1

01 LEC T, TH 11:00AM-12:20PM LEW-136 ; LAB F 01:00PM-03:50PM LEW-136 Jenkins, Hillary

**EVST-300-01 Environmental World Views 4.00 credits**

Interdisciplinary investigation of competing environmental perspectives and paradigms. Emphasis on implications for environmental science, policy, management and ethics as influenced by world views. Students compare and contrast diverse environmental perspectives, strategic approaches, and decision-making processes with an eye to conflicting paradigms that underlie environmental controversies.

01 T, TH 09:30AM-10:50AM LEW-111 Hempel, Lamont

**EVST-325-01 Public Lands Management 4.00 credits**

PREREQUISITE: EVST-100

Overview of the origins and history of public lands in the U.S. (National Parks, National Forests, Bureau of Land Management lands, and others). Exploration of policies governing public lands and historic and current management practices. Controversial issues on public lands will be examined and debated as will compromises and solutions.

LAF: CSAC XLIST: PLCY, POLI

01 W, F 08:00AM-09:20AM LEW-136 McIntyre, Blodwyn

**EVST-360-02 Energy Policy & Environment 4.00 credits**

Consideration of recent research developments in environmental science with varying topics each semester. Examples include tropical island biogeography, physical biogeography, and California plants' taxonomy and ecology. May be repeated for degree credit up to a maximum of 8 credits.

02 M, W 11:30AM-12:50PM LEW-134 TBA

**FREN-101-01 First-Year French 4.00 credits**

Pronunciation, conversation, essentials of grammar and composition, and reading of elementary texts for students who have had no French. Those with previous experience in French who are not ready for FREN 201 must obtain permission from the department to take first-year French.

LAF: FL

01 M, W, F 11:00AM-12:20PM HOL-101 Slusser, Daniele

02 M, W, F 01:00PM-02:20PM HOL-101 Slusser, Daniele

**FREN-201-01 Second-Year French 4.00 credits**

PREREQUISITE: COMPLETION OF FREN-102, PLACEMENT EXAM OR BY PERMISSION.

Review of grammar, with emphasis on conversation and contemporary French culture. Introduction to French literature and culture through selected reading materials.

LAF: FL

01 M, W, F 09:30AM-10:50AM HOL-105 Bright, Francis

02 M, W, F 01:00PM-02:20PM HOL-105 Bright, Francis

**FREN-301-01 Third-Year French 4.00 credits**

PREREQUISITE: COMPLETION OF FREN-202, PLACEMENT EXAM OR BY PERMISSION.

Review of essential points of grammar. Readings in literature, history, and culture. Emphasis on oral presentation and discussion.

LAF: FL

01 T, TH 11:00AM-12:20PM HOL-101 Slusser, Daniele

**FREN-459-01 The Francophone World 4.00 credits**

PREREQUISITE: COMPLETION OF FREN-302, PLACEMENT EXAM OR BY PERMISSION

Exploration of the social, cultural, and artistic development of countries in which French is the primary language. Alternate focus on (1) Africa and (2) the New World. Readings, slide lectures, discussions, films, and exposes in French.

LAF: CC

01 T, TH 09:30AM-10:50AM HOL-103 Bright, Francis

**GRMN-101-01 First-Year German 4.00 credits**

Practice in understanding and speaking German of moderate difficulty. Introduction to the contemporary civilization and culture of German-speaking peoples. Presentation of major grammatical aspects of the structure of the language. For beginners only. Four hours of instruction, one hour of on-line language laboratory.

LAF: FL

01 M, W, F 09:30AM-10:50AM HKE-107 Hayman, Gary

02 M, W, F 11:30AM-12:50PM HKE-107 Hayman, Gary

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**GRMN-201-01 Second-Year German 4.00 credits**

PREREQUISITE: COMPLETION OF GRMN-102, PLACEMENT EXAM, OR BY PERMISSION.

Practice of oral and written language skills. Presentation and study of various aspects of German civilization and culture. Continued study and review of grammatical structures; listening practice in on-line language laboratory.

LAF: FL

01 M, W, F 08:00AM-09:20AM HOL-111 Hayman, Gary

**GRMN-301-01 Third-Year German 4.00 credits**

PREREQUISITE: COMPLETION OF GRMN-202, PLACEMENT EXAM OR BY PERMISSION.

A year-long, two-semester course required for both the major and minor with emphasis on written and oral presentations and discussions. These courses encompass readings in literature, history, and culture, an introduction to translation skills as well as a review of essential points of grammar.

LAF: FL

01 T, TH 01:00PM-02:20PM AHN-233 Pflanz, Barbara

**GRMN-390-01 Comp Exam Prep 0.00 credits**

PREREQUISITE: BY PERMISSION ONLY.

Minors prepare for the Goethe Institute Examination by doing the online practice exams and by writing and speaking about the study abroad experience. Required for German minor.

01 TBA TBA-TBA TBA Pflanz, Barbara

**GRMN-395-01 Capstone Prep 1.00 credits**

Taken during approved semester abroad. Investigates the relationship between the practices, products, and perspectives of the culture studied. Specific course content to be approved by advisor prior to beginning of course. Required for German major.

01 TBA TBA-TBA TBA Pflanz, Barbara

**GRMN-445-01 Post German Literature 4.00 credits**

PREREQUISITE: COMPLETION OF GRMN-302, PLACEMENT EXAM, OR BY PERMISSION

Varied topics in German literature covering specific genres or periods. Readings, lectures, discussions, and written and oral reports completed in German.

LAF: HL

01 T, TH 11:00AM-12:20PM AHN-202 Pflanz, Barbara

**HIST-101-01 World History to 1450 4.00 credits**

Introductory survey of the principal world civilizations of the ancient, classical, and medieval eras, with emphasis on the major features and patterns of change of each civilization in a comparative framework, and cross-cultural interactions and exchanges. Also considered are non-traditional approaches to history, such as the feminist perspective.

LAF: HH

01 M, W 09:30AM-10:50AM GAN-CLASRM1 Eng, Robert

02 T, TH 01:00PM-02:20PM DUK-109 Glover, John

**HIST-102-01 World History Since 1450 4.00 credits**

Introduction to the chief themes or issues shaping world history from the European age of discovery through the end of the Cold War. Unavoidably selective, the course focuses upon the forces of modernization and change revolutionizing traditional world cultures and resulting in the interdependent, global system of today.

LAF: HH

01 T, TH 09:30AM-10:50AM HOL-105 Baskici Wing, Gonca

03 T, TH 08:00AM-09:20AM GAN-CLASRM1 Master, John

**HIST-111-01 Early Modern Europe 4.00 credits**

Exploration of the profound transformation that occurred in European culture as it moved from its medieval configuration to the essentially modern form assumed by the end of the 18th century. Topics include the Renaissance, the Reformation, the Enlightenment, the birth of modern science, and the English and French revolutions.

LAF: HH

01 T, TH 02:30PM-03:50PM HOL-205 Master, John

**HIST-121-02 American History to 1877 4.00 credits**

This survey explores major themes in the development of American culture, economy, and politics from First Contact through Reconstruction. Topics include colonial encounters, the Revolutionary War, the rise of participatory democracy, slavery and the creation of race, the 'Market Revolution,' geographic expansion, and the Civil War and its aftermath.

LAF: HH

02 T, TH 01:00PM-02:20PM HOL-205 Raffety, Matthew

**HIST-122-03 American History Since 1877 4.00 credits**

This survey explores major themes in the development of American culture, economy, and politics from the Civil War and its aftermath to the present. Topics include the rise of American empire, industrialization, urbanization and suburbanization, war, political and social reform and activism, mass culture and mass media, and the study of class, race, gender, and sexuality.

LAF: HH

03 M, W 01:00PM-02:20PM DUK-109 Baldwin, Ian



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**HIST-131-01 Latin American Civilizations 4.00 credits**

Introduction to Latin America through analysis of selected social, economic, and political themes. Topics include the colonial heritage, economic dependency, a stratified society, the role of the church, the Latin American military, and the influence of the United States in the region.

LAF: DD XLIST: LAST

01 M, W 11:30AM-12:50PM GAN-CLASRM1 Sandos, James

**HIST-290-01 Sem in Hist Theory & Method 4.00 credits**

Overview of the study of history as discipline and practice, and as an approach to understand moral, social, economic and political questions. This course covers historical theory, methodology, writing, and interpretation. Students will read and analyze historical literature and debates, write historiographic essays, and develop and emphasis in the major/minor.

01 T, TH 11:30AM-12:50PM GAN-CLASRM3 Sandos, James

**HIST-224-01 History of Sports in America 4.00 credits**

Examines historical development and shifting meanings of American sports from the colonial era through the present. We focus on links between sports and national identity, industrialization, religion, urbanization, and issues of race, class, gender and sexuality on and off the field. We may even get in a few games ourselves.

XLIST: WGS

01 T, TH 02:30PM-03:50PM DUK-102 Raffety, Matthew

**HIST-343-01 China Since 1949 4.00 credits**

The People's Republic of China has undertaken some of the most spectacular social experiments the world has ever witnessed. Examination of the P.R.C.'s revolutionary roots, ideological foundations, social and institutional innovations, and changing relationships with the United States and the former Soviet Union.

XLIST: AST

01 M, W 02:30PM-03:50PM GAN-CLASRM3 Eng, Robert (WB)

**HIST-229-01 US History on Film 4.00 credits**

Analyze history of U.S. film industry and use films to understand the political, economic, social, and cultural history. Consider strengths and limits of film as a tool for understanding U.S. culture and history. Key themes: class, gender, and racial conflict and consciousness; rise of a mass consumer culture and American empire.

LAF: DD XLIST: MVC, VMS, WGS

01 W 06:00PM-08:50PM GAN-CLASRM1 Feeley, Kathleen

**HIST-354-01 Race & History in South Africa 4.00 credits**

An exploration of the major developments in South Africa that led to the creation of apartheid, or racial separation. African perceptions of European colonization, industrialization, urbanization, and land alienation are stressed. The course concludes with a look at the work of African nationalist leaders such as Mandela and Biko.

LAF: CC, DD XLIST: IR, REST

01 T, TH 02:30PM-03:50PM GAN-CLASRM3 Glover, John

**HIST-272-01 America and Asia 4.00 credits**

China, Japan, and Southeast Asia are regions of vital strategic and economic concern to the United States. Examination of past and present friction and cooperation, prospects for future harmony, mutual perceptions, and Asian contributions to the making of America.

LAF: CC, DD XLIST: AST, REST

01 M, W 11:30AM-12:50PM GAN-CLASRM3 Eng, Robert

**HIST-490-01 SR Capstone Research Seminar 4.00 credits**

PREREQUISITE: PRIOR COURSEWORK IN THE MAJOR AND SENIOR STANDING OR BY INSTRUCTOR PERMISSION.

This course serves as the culmination of the major. Each student will plan, research, draft, revise and complete an original research paper of 18-20 pages reflecting advanced historiographical understanding and skill under the guidance and with the approval of department faculty. Content will be driven by student projects.

01 M, W 01:00PM-02:20PM GAN-CLASRM3 Feeley, Kathleen

**HIST-274-01 Vietnam 4.00 credits**

Reconstruction of the era through films, popular music, and political and military strategy documents, and social, economic, and political analysis made by contemporary writers. A special segment examines issues raised by the conflict and lessons learned for future military operations.

XLIST: AST, REST

01 M, W 02:30PM-03:50PM GAN-CLASRM1 Sandos, James

**IDS-465-01 Senior Seminar 4.00 credits**

Advanced interdisciplinary topics are addressed, perhaps arising out of students' junior year experiences, and selected by faculty and students in concert. This seminar includes a section on the development of the senior honors thesis.

01 TH 07:00PM-09:50PM HOL-200 Nordgren, Tyler

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**IDS-495-01 Senior Thesis 1.00-4.00 credits**

01 TBA TBA-TBA TBA Feeley, Kathleen

**JNST-000C-01 Medicine, Machines, Bodies 4.00 credits**

Open for contract/evaluation.  
 01 T, TH 02:30PM-03:50PM LAR-126 Seiber, Timothy

**IR-200-01 International Relations Theory 4.00 credits**

Exploration of international relations theory, focusing on ideas and concepts that have been invoked to explain forces at work in interstate politics and the global system. Topics include political realist, liberal, constructivist, and feminist approaches to international relations theory, foreign policy, and national security decision making. Required of all International Relations majors.  
 LAF: HP XLIST: GOVT, POLI  
 01 T, TH 09:30AM-10:50AM AHN-116 Auton, Graeme (WA)

**JNST-000D-01 Digital Media, Politics & Comm 4.00 credits**

XLIST: MVC Open for contract/evaluation.  
 01 M, W 02:30PM-03:50PM LAR-126 Seiber, Timothy

**IR-201-01 Intro Intl and Global Studies 4.00 credits**

An interdisciplinary introduction to the contemporary world that focuses on the ideological, political, economic and cultural dimensions of modernity. The class considers the principal actors, institutions, processes, and power relations that have shaped the challenges and opportunities associated with globalization and international relations, drawing on case studies to explore selected world issues in greater depth. Required of all majors and minors.

01 M, W 01:00PM-02:20PM DUK-312 Glover, John

**JNST-000E-01 Yoga 4.00 credits**

Open for contract/evaluation.  
 01 T, TH 11:00AM-12:20PM LAR-210 Geary, Patricia

**JNST-000A-01 Movement Lab 4.00 credits**

Open for contract/evaluation.  
 01 M, W 11:00AM-12:20PM TAB-210 Townsend, Julie

**JNST-000F-01A Daoists, Dragons, Dim Sum 4.00 credits**

01A T, TH 01:00PM-02:20PM HOL-325 Cavender, Anne

**JNST-000B-01 GYST 1.00 credits**

Open for contract/evaluation.  
 01 F 01:00PM-04:00PM LAR-231 Maloney, Mary Grace

**JNST-000G-01 Making Meaning of Travel 4.00 credits**

01 M, W 01:00PM-02:20PM HOL-115 Hankin, Kelly

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**JNST-000J-01 Latin Tutorials 4.00 credits**

Open for contract/evaluation.  
 01 W, F 09:30AM-10:50AM HOL-213 Tschann, Judith

**JPNS-301-02 Third Year Modern Japanese 4.00 credits**

PREREQUISITE: JPNS-202 OR EQUIVALENT.  
 First semester of third-year Japanese. Organized around reading materials, and helps students build substantial reading and writing skills. Through class discussions conducted in Japanese on the readings, students develop skills to comprehend written and spoken opinions and to express abstract ideas. Students also learn to use Japanese dictionaries effectively.  
 LAF: FL XLIST: AST  
 02 T, TH 08:00AM-09:20AM HOL-101 Nunn, Masako

**JNST-000K-02 Senior Workshop 1.00 credits**

02 M 04:00PM-05:00PM BEK-LOBBY Townsend, Julie

**LAST-101-01 Introduction to Latin America 4.00 credits**

Explores the history, environment, and diversity of human cultures shaping Latin America. Untangles the interrelationships between Latin American regions and global systems, including conquest, colonialism, and globalization. Takes a geographical approach, synthesizing the influence of environment, culture, technology, history, and the influence of power at various scales.  
 LAF: CC, DD  
 01 M, W 01:00PM-02:20PM TBA TBA

**JNST-000L-01 Intersectionality 4.00 credits**

01 M, W 02:30PM-03:50PM LAR-230 Nelson, Jennifer

**LBST-101-01 Introduction to Education 4.00 credits**

PREREQUISITE: CCTC FINGERPRINT CLEARANCE & CURRENT TB TEST REQUIRED BY FOURTH WEEK.  
 An introduction to the many aspects of the teaching profession. This course will prepare students to integrate the many different subject matters of the Liberal Studies curriculum into a developing personal philosophy and practice of education. Includes an introduction to classroom observation and fieldwork.

01 T 06:00PM-09:00PM LAR-125 Lium, Kimberly

**JPNS-101-01 First Year Modern Japanese 4.00 credits**

First semester of first year Japanese, designed for beginners who have no or little background. Students with previous exposure must take a placement test. Helps students acquire communication skills that are linguistically and culturally appropriate for a college student for everyday situations in Japan. Listening and speaking emphasized.  
 LAF: FL XLIST: AST  
 01 M, W, F 11:00AM-12:20PM HOL-217 TBA

**LBST-201-01 Studies in Education 4.00 credits**

PREREQUISITE: LBST-101 OR BY PERMISSION OF DEPARTMENT CHAIR.  
 Specific content varies offering to offering. An introduction to research, educational philosophy and practice as it relates to specific subject matter areas. This course allows students the opportunity to relate their own educational experiences and knowledge of disciplinary subject matter to their developing philosophy of education. Community service component included.  
 LAF: CSAC

01 W 06:00PM-09:00PM LAR-125 Lock, Peter

**JPNS-201-01 Second Year Modern Japanese 4.00 credits**

PREREQUISITE: JPNS-102 OR EQUIVALENT.  
 First semester of second-year Japanese, designed to help students expand their linguistic and cultural communicative competency. Conceptually complex sentence structures and hard-to-translate expressions are introduced, such as honorific and humble expressions and the passive-causative. Listening and speaking emphasized. Also introduces the basics of Japanese on computer (emailing and websites).  
 LAF: FL XLIST: AST  
 01 M, W, F 02:30PM-03:50PM HOL-209 TBA

**LBST-301-01 Inquiry & Analysis in Education 4.00 credits**

PREREQUISITE: LBST-201 OR BY PERMISSION.  
 Research enables educators to improve teaching, to measure teaching effectiveness, and to determine how schools are funded and administered. Students conduct educational research to aid in understanding how education systems function, how reforms are proposed, and the effects different policies have on schools and society. Topics of focus may vary.

01 TH 06:00PM-09:00PM LAR-126 Gillmore, Marina

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**LBST-401-01 Senior Seminar in Education 4.00 credits**

PREREQUISITE: LBST-301 OR BY PERMISSION.

Students conduct research in education under the guidance of experts in the discipline and complete their portfolios. Students will gain knowledge of the professional research process and put that knowledge into practice. Students will be encouraged to consult professionals in the field of their research, providing valuable career contacts.

01 T 06:00PM-09:00PM LAR-126 Gillmore, Marina

**MATH-001L-01 Lab for Basic Math Skills 1.00 credits**

01 M 02:30PM-03:30PM AHN-216 Garcia, Deon

02 T 09:30AM-10:50AM AHN-216 Garcia, Deon

**MATH-002L-01 Lab for Basic Math Skills 1.00 credits**

01 M 02:30PM-03:50PM AHN-217 Garcia, Deon

02 T 09:30AM-10:50AM AHN-217 Garcia, Deon

**MATH-101-01 Finite Mathematics 4.00 credits**

PREREQUISITE: MATH-001L OR MATH-002L OR PLACEMENT EXAM OR BY PERMISSION.

Introduction to modern ideas in finite mathematics. Topics may include probability, logic, combinatorics, functions, matrix algebra, linear programming, and graph theory. MATH 101 is not a prerequisite to calculus.

LAF: M2

01 M, W, F 08:00AM-09:20AM AHN-202 TBA

02 M, W, F 09:30AM-10:50AM AHN-202 Huston, Deborah

03 M, W, F 11:00AM-12:20PM AHN-202 Huston, Deborah

04 M, W, F 01:00PM-02:20PM AHN-202 Doolittle, Elizabeth

05 M, W, F 02:30PM-03:50PM AHN-202 TBA

06 T, TH 08:00AM-09:20AM AHN-202 TBA

07 T, TH 09:30AM-10:50AM AHN-202 TBA

08 T, TH 01:00PM-02:20PM AHN-202 TBA

09 T, TH 02:30PM-03:50PM AHN-202 TBA

**MATH-111-01 Elem Statistics & Probability 4.00 credits**

Descriptive and inferential statistics for students from diverse fields. Distribution, correlation, probability, hypothesis testing, use of tables, and examination of the misuse of statistics and relation of statistics to vital aspects of life. Computer packages used as tools throughout the course.

LAF: M3 XLIST: PLCY

01 M, W, F 08:00AM-09:20AM LIB-139 Huston, Deborah

02 M, W, F 09:30AM-10:50AM LIB-139 Bentley, James

03 M, W, F 11:00AM-12:20PM LIB-139 Bentley, James

04 M, W, F 01:00PM-02:20PM LIB-139 Huston, Deborah

**MATH-118-01 Integrated Calculus I 4.00 credits**

PREREQUISITE: MATH-002L OR PLACEMENT EXAM OR BY PERMISSION.

For students whose programs require calculus but who, based on their background and placement examination scores, are not prepared for MATH 121. Topics from precalculus include properties of linear, rational, exponential, logarithmic, and trigonometric functions, and compositions, transformations, and inverses of these functions. Calculus topics include successive approximation and limits of functions, local linearity and differentiation, applications of differentiation to graphing and optimization, and the definite integral, antiderivatives, and differential equations.

01 M, W, F 08:00AM-09:20AM AHN-217 Doolittle, Elizabeth

02 M, W, F 09:30AM-10:50AM AHN-217 Doolittle, Elizabeth

03 M, W, F 11:00AM-12:20PM AHN-217 Doolittle, Elizabeth

**MATH-121-01 Calculus I 4.00 credits**

PREREQUISITE: PLACEMENT EXAM

Functions and their graphs, successive approximation and limits, local linearity and differentiation, applications of differentiation to graphing and optimization, the definite integral, antiderivatives, and differential equations.

LAF: M2

01 M, W, F 08:00AM-09:20AM AHN-201 Garcia, Deon

02 M, W, F 09:30AM-10:50AM AHN-201 Garcia, Deon

03 M, W, F 11:00AM-12:20PM AHN-201 Garcia, Deon

04 M, W, F 01:00PM-02:20PM AHN-201 Morics, Steven

05 M, W, F 01:00PM-02:20PM AHN-217 Koonce, Alexander

06 M, W, F 02:30PM-03:50PM AHN-201 Morics, Steven

**MATH-122-01 Calculus II 4.00 credits**

PREREQUISITE: MATH-119 OR MATH-121 OR PLACEMENT OR BY PERMISSION.

Riemann sums and the definite integral; techniques of integration and applications of integrals; introduction to differential equation; sequences and series.

LAF: M2

01 M, W, F 08:00AM-09:20AM AHN-216 Veenstra, Tamara

02 M, W, F 09:30AM-10:50AM AHN-216 Veenstra, Tamara

**MATH-150-01 Techniques in Problem Solving 1.00 credits**

Practice in the mathematical area of problem solving in preparation for the Putnam Examination. Material and problems chosen from prior Putnam Exams, Mathematics Olympiads and other sources, and from across mathematics, including basic strategies, combinatorics, geometry, induction, series, number theory, algebra, and calculus.

01 TBA TBA-TBA TBA Koonce, Alexander

**MATH-221-01 Calculus III 4.00 credits**

PREREQUISITE: MATH-122 OR PLACEMENT OR BY PERMISSION.

Topics in multivariable calculus related to differentiation and integration. Sequences, series and Taylor approximations.

LAF: M2

01 M, W, F 11:00AM-12:20PM AHN-216 Beery, Janet

02 M, W, F 01:00PM-02:20PM AHN-216 Beery, Janet

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**MATH-251-01 College Geometry 4.00 credits**

PREREQUISITE: MATH 201 or 204.

A modern approach to classical geometries such as Euclidean, non-Euclidean, and projective. Sets, logic, and synthetic and analytic proof techniques in geometry are studied.

XLIST: SPA

01 M, W, F 11:00AM-12:20PM AHN-233 Veenstra, Tamara

**MUAP-102-01 Classical Piano 1.00 credits**

LAF: CP

01 TBA TBA-TBA TBA Prodan, Angelica

02 TBA TBA-TBA TBA Long, Louanne

**MATH-311-01 Probability 4.00 credits**

PREREQUISITE: MATH-221

Introduction to the theory of probability with applications in management science and the physical and social sciences. Topics include combinatorial probability, densities, mathematical expectation, moment-generating functions, and the central limit theorem.

01 M, W, F 01:00PM-02:20PM AHN-233 Cornez, Richard

**MUAP-104-02 Jazz Piano 1.00 credits**

LAF: CP

02 TBA TBA-TBA TBA Murphy, Daniel

**MATH-321-01 Real Analysis 4.00 credits**

PREREQUISITE: MATH-201 OR MATH-204, MATH-221, MATH-241, AND JUNIOR STANDING OR BY PERMISSION.

Rigorous approach to the concepts underlying the calculus, building on the fundamental idea of the limit within the real number system. Topics include metric spaces, continuity, the derivative, the Riemann integral, and series of constants and functions.

01 M, W, F 02:30PM-03:50PM AHN-233 Koonce, Alexander

**MUAP-105-01 Organ 1.00 credits**

LAF: CP

01 TBA TBA-TBA TBA Swann, Frederick

**MATH-331-01 Numerical Analysis 4.00 credits**

PREREQUISITE: MATH 235 or MATH 241.

The theory and application of numerical methods for solving mathematical problems. Topics include numerical methods for solving algebraic equations and ordinary differential equations, interpolation and approximation, and numerical integration.

01 M, W, F 08:00AM-09:20AM AHN-233 Cornez, Richard

**MUAP-106-01 Harpsichord 1.00 credits**

LAF: CP

01 TBA TBA-TBA TBA Johansen, Judith

**MATH-341-01 Abstract Algebra 4.00 credits**

PREREQUISITE: MATH-201 OR MATH-204, MATH-241, AND JUNIOR STANDING OR BY PERMISSION.

Study of significant algebraic structures and their properties, with particular attention given to groups, rings, and fields.

01 M, W, F 09:30AM-10:50AM AHN-233 Beery, Janet

**MUAP-108-01 Classical Voice 1.00 credits**

LAF: CP

01 TBA TBA-TBA TBA Schindelmann, Marco

02 TBA TBA-TBA TBA Snyder, Cynthia

03 TBA TBA-TBA TBA Gee, Patricia

04 TBA TBA-TBA TBA Tosh, Melissa

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**MUAP-109-01 Violin 1.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Skrocki, Jeanne  
02 TBA TBA-TBA TBA Thurman-Palmer, Karen

**MUAP-114-01 Oboe 1.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Castillo, Francisco

**MUAP-110-01 Viola 1.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Blumberg, Kira

**MUAP-115-01 Clarinet 1.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Nevin, Kathryn

**MUAP-111-01 Cello 1.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Champion, Kyle

**MUAP-116-01 Bassoon 1.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Beck, Carolyn

**MUAP-112-01 Double Bass 1.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Emmons, Timothy

**MUAP-117-01 Saxophone 1.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Smith, Eddie

**MUAP-113-01 Flute 1.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Andon, Sara

**MUAP-118-01 Horn 1.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Brenes, Laura

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**MUAP-119-01 Trumpet 1.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Scott, David

**MUAP-128-01 Classical Guitar 1.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Green, Stuart

**MUAP-120-01 Trombone 1.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Glendening, Andrew

**MUAP-130-01 Jazz Guitar 1.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Fisher, Jody

**MUAP-121-01 Tuba 1.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Sutherland, Scott

**MUAP-132-01 Pop Guitar 1.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Bozonelos, Bob

**MUAP-122-01 Classical Percussion 1.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Schlitt, William  
02 TBA TBA-TBA TBA Miyoshi, Yuri

**MUAP-134-01 Electric Bass 1.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Emmons, Timothy

**MUAP-124-01 Jazz Percussion 1.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Taylor, Joel

**MUAP-137-01 Other 1.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA TBA

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**MUAP-302-01 Classical Piano 1.00-3.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Long, Louanne

**MUAP-309-01 Violin 1.00-3.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Skrocki, Jeanne

**MUAP-304-01 Jazz Piano 1.00-3.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Murphy, Daniel

**MUAP-310-01 Viola 1.00-3.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Blumberg, Kira

**MUAP-305-01 Organ 1.00-3.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Swann, Frederick

**MUAP-311-01 Cello 1.00-3.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Champion, Kyle

**MUAP-306-01 Harpsichord 1.00-3.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Johansen, Judith

**MUAP-312-01 Double Bass 1.00-3.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Emmons, Timothy

**MUAP-308-01 Classical Voice 1.00-3.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Schindelmann, Marco  
02 TBA TBA-TBA TBA Snyder, Cynthia  
03 TBA TBA-TBA TBA Gee, Patricia  
04 TBA TBA-TBA TBA Tosh, Melissa

**MUAP-313-01 Flute 1.00-3.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Andon, Sara



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**MUAP-314-01 Oboe 1.00-3.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Castillo, Francisco

**MUAP-319-01 Trumpet 1.00-3.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Scott, David

**MUAP-315-01 Clarinet 1.00-3.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Nevin, Kathryn

**MUAP-320-01 Trombone 1.00-3.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Glendening, Andrew

**MUAP-316-01 Bassoon 1.00-3.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Beck, Carolyn

**MUAP-321-01 Tuba 1.00-3.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Sutherland, Scott

**MUAP-317-01 Saxophone 1.00-3.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Smith, Eddie

**MUAP-322-01 Classical Percussion 1.00-3.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Schlitt, William  
02 TBA TBA-TBA TBA Miyoshi, Yuri

**MUAP-318-01 Horn 1.00-3.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Brenes, Laura

**MUAP-324-01 Jazz Percussion 1.00-3.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Taylor, Joel

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**MUAP-326-01 Harp 1.00-3.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Dropkin, Mary

**MUAP-334-01 Electric Bass 1.00-3.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Emmons, Timothy

**MUAP-328-01 Classical Guitar 1.00-3.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Green, Stuart  
02 TBA TBA-TBA TBA Fisher, Jody

**MUAP-335-01 Classical (other) 1.00-3.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA TBA

**MUAP-330-01 Jazz Guitar 1.00-3.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Fisher, Jody

**MUAP-336-01 Jazz (other) 1.00-3.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA TBA

**MUAP-331-01 Applied Jazz Improvisation 1.00-3.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Murphy, Daniel

**MUAP-337-01 Other 1.00-3.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA TBA

**MUAP-332-01 Pop Guitar 1.00-3.00 credits**

LAF: CP  
01 TBA TBA-TBA TBA Bozonelos, Bob

**MUAP-602-01 Classical Piano 1.00-6.00 credits**

01 TBA TBA-TBA TBA Long, Louanne  
02 TBA TBA-TBA TBA Prodan, Angelica

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**MUAP-604-01 Jazz Piano 1.00-6.00 credits**

01 TBA TBA-TBA TBA Murphy, Daniel

**MUAP-610-01 Viola 1.00-6.00 credits**

01 TBA TBA-TBA TBA Blumberg, Kira

**MUAP-605-01 Organ 1.00-6.00 credits**

01 TBA TBA-TBA TBA Swann, Frederick

**MUAP-611-01 Cello 1.00-6.00 credits**

01 TBA TBA-TBA TBA Champion, Kyle

**MUAP-606-01 Harpsichord 1.00-6.00 credits**

01 TBA TBA-TBA TBA Johansen, Judith

**MUAP-612-01 Double Bass 1.00-6.00 credits**

01 TBA TBA-TBA TBA Emmons, Timothy

**MUAP-608-01 Classical Voice 1.00-6.00 credits**

01 TBA TBA-TBA TBA Schindelmann, Marco  
02 TBA TBA-TBA TBA Snyder, Cynthia  
03 TBA TBA-TBA TBA Gee, Patricia  
04 TBA TBA-TBA TBA Tosh, Melissa

**MUAP-613-01 Flute 1.00-6.00 credits**

01 TBA TBA-TBA TBA Andon, Sara

**MUAP-609-01 Violin 1.00-6.00 credits**

01 TBA TBA-TBA TBA Skrocki, Jeanne

**MUAP-614-01 Oboe 1.00-6.00 credits**

01 TBA TBA-TBA TBA Castillo, Francisco

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**MUAP-615-01 Clarinet 1.00-6.00 credits**

01 TBA TBA-TBA TBA Nevin, Kathryn

**MUAP-620-01 Trombone 1.00-6.00 credits**

01 TBA TBA-TBA TBA Glendening, Andrew

**MUAP-616-01 Bassoon 1.00-6.00 credits**

01 TBA TBA-TBA TBA Beck, Carolyn

**MUAP-621-01 Tuba 1.00-6.00 credits**

01 TBA TBA-TBA TBA Sutherland, Scott

**MUAP-617-01 Saxophone 1.00-6.00 credits**

01 TBA TBA-TBA TBA Smith, Eddie

**MUAP-622-01 Classical Percussion 1.00-6.00 credits**

01 TBA TBA-TBA TBA Schlitt, William  
02 TBA TBA-TBA TBA Miyoshi, Yuri

**MUAP-618-01 Horn 1.00-6.00 credits**

01 TBA TBA-TBA TBA Brenes, Laura

**MUAP-624-01 Jazz Percussion 1.00-6.00 credits**

01 TBA TBA-TBA TBA Taylor, Joel

**MUAP-619-01 Trumpet 1.00-6.00 credits**

01 TBA TBA-TBA TBA Scott, David

**MUAP-626-01 Harp 1.00-6.00 credits**

01 TBA TBA-TBA TBA Dropkin, Mary

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**MUAP-628-01 Classical Guitar 1.00-6.00 credits**

01 TBA TBA-TBA TBA Green, Stuart

**MUAP-635-01 Classical (other) 1.00-6.00 credits**

01 TBA TBA-TBA TBA TBA

**MUAP-630-01 Jazz Guitar 1.00-6.00 credits**

01 TBA TBA-TBA TBA Fisher, Jody

**MUAP-636-01 Jazz (other) 1.00-6.00 credits**

01 TBA TBA-TBA TBA TBA

**MUAP-631-01 Applied Jazz Improvisation 1.00-6.00 credits**

01 TBA TBA-TBA TBA Murphy, Daniel

**MUAP-637-01 Other 1.00-6.00 credits**

01 TBA TBA-TBA TBA TBA

**MUAP-632-01 Pop Guitar 1.00-6.00 credits**

01 TBA TBA-TBA TBA Bozonelos, Bob

**MUAP-638-01 Conducting 1.00-6.00 credits**

01 TBA TBA-TBA TBA Nguyen, Co  
02 TBA TBA-TBA TBA Andrews, Nicholle  
03 TBA TBA-TBA TBA Smith, Eddie  
04 TBA TBA-TBA TBA Modica, Joseph

**MUAP-634-01 Electric Bass 1.00-6.00 credits**

01 TBA TBA-TBA TBA Emmons, Timothy

**MUS-100-01 Experiencing Music 4.00 credits**

Exploration of sound-its sources, effects, and organization-with emphasis on direct involvement through listening. Music of major styles and periods is introduced with emphasis on Western music. Students develop and become familiar with music technology.  
LAF: CP  
01 M, W 11:00AM-12:20PM WAT-113 Nevin, Kathryn

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**MUS-101-01 Theory I 2.00 credits**

RECOMMENDED COREQUISITE: MUS-105

An introduction to Western tonal harmony, beginning with the fundamental elements of pitch and rhythm: scales, key signature, intervals and their inversions, note values and time signatures. Other topics include triads and their inversions, harmonic progression, and principles of part writing.

01 T, TH 08:00AM-09:20AM WAT-113 Suter, Anthony

**MUS-103-01 Theory III 2.00 credits**

PREREQUISITE: MUS-102. RECOMMENDED COREQUISITE: MUS-107

Further study of figured bass and part writing, using all diatonic chords, in root position and inversion, and non-chord tones. Harmonic analysis. Introduction of chromatic elements, including secondary functions and modulation.

01 T, TH 01:00PM-02:20PM WAT-103 Suter, Anthony

**MUS-105-01 Ear Train & Sight-Sing I 2.00 credits**

COREQUISITE: MUS-101.

Introduction to melodic and rhythmic sight reading, melodic and rhythmic dictation, recognition of intervals and triad quality.

01 M, W, F 08:00AM-09:20AM WAT-103 Andrews, Nicholle

02 M, W, F 09:30AM-10:50AM WAT-103 Andrews, Nicholle

03 M, W, F 01:00PM-02:20PM WAT-202 Andrews, Nicholle

**MUS-107-01 Ear Train & Sight-Sing III 2.00 credits**

PREREQUISITE: MUS-102 AND MUS-106. COREQUISITE: MUS-103.

Sight-singing of melodies containing nondiatonic pitches, sight reading of more complex rhythms. One- and two-part melodic dictation, including nondiatonic pitches. Continuation of interval and chord recognition.

01 M, W, F 08:00AM-09:20AM FAS-107 AND WAT-202 Nguyen, Co

02 M, W, F 01:00PM-02:20PM FAS-107 AND WAT-202 Nguyen, Co

03 M, W, F 09:30AM-10:50AM FAS-107 AND F 09:30AM-11:50AM

WAT-202 Nguyen, Co

**MUS-110-01 Recital Rep Class 0.00 credits**

Required of all music majors; open to others.

01 W 02:30PM-03:50PM WAT-107 Glendening, Andrew

02 TBA TBA-TBA TBA Glendening, Andrew

**MUS-131-01 Percussion Instrument Techniqs 2.00 credits**

Introduction to the instruments of the percussion family with emphasis on practical experience in group and/or individual performance.

01 M, TH 01:00PM-02:20PM UNH-MAIN Schlitt, William

**MUS-140-01 Orch Performance Practicum 0.00-1.00 credits**

PREREQUISITE: PERMISSION OF INSTRUCTOR AND A CONFIRMED FIELD EXPERIENCE SUCH AS HAVING QUALIFIED FOR THE RSO STUDENT MUSICIAN LIST.

Practicum in orchestral performance from audition to performance. Students develop performance resumes, research excerpts lists, and perform mock auditions, study collective bargaining agreements, rehearsal protocol and complete field experiences in a professional orchestral setting.

01 F 11:00AM-12:50PM WAT-107 Scott, David

**MUS-141-01 Marching Band Techniques 2.00 credits**

Study and experience in various charting procedures including Step-two, Asymmetrical, Corps style, and computer charting. Developing effective rehearsal techniques, philosophical considerations, and arranging for a marching band.

01 M, W 06:00PM-07:20PM WAT-202 Benanti, James

**MUS-211-01 Accompanying 1.00 credits**

PREREQUISITE: BY PERMISSION.

Study of vocal coaching (opera and art song) and instrumental accompanying techniques. Practicing, rehearsing together, literature, transposition, and sight-reading. Supervised practice sessions.

01 M 02:30PM-03:50PM WAT-107 Urrutia, Lara

**MUS-213-01 Jazz Improvisation I 2.00 credits**

PREREQUISITE: MUS-102 AND MUS-106 OR BY PERMISSION.

Study of jazz nomenclature, performance strategies, and resources for improvisation. Emphasis on applied ear-training and performance on the student's major instrument.

01 F 11:00AM-12:20PM WAT-113 Murphy, Daniel

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**MUS-228-01 Pedagogy 2.00 credits**

PREREQUISITE: MUS-101 AND MUS-105. OPEN TO MUSIC MAJORS OR MINORS ONLY.

Principles and theories of pedagogy applied to the teaching of music.

01 T, TH 09:30AM-10:50AM WAT-103 Lovell, Stephanie

**MUS-335-01 Intro to Conducting 2.00 credits**

PREREQUISITE: MUS-102, AND MUS-106.

Elements of the conductor's techniques, beat formation, and all rhythms; practice in choral and instrumental conducting. Baton techniques and score reading with practical application.

01 T, TH 08:00AM-09:20AM WAT-103 Modica, Joseph

**MUS-231-01 Jazz History to the 1940S 4.00 credits**

The roots of jazz, early styles, contributions of key innovators, and the 'meanings' of jazz. Topics include the origins and development of blues, ragtime, early jazz, and swing as well as how American society and jazz both influenced and reflected new ways of understanding culture, race, creativity, individuality, cooperation, and community.

01 M, W 01:00PM-02:20PM WAT-107 Murphy, Daniel

**MUS-347-01 History of Opera 4.00 credits**

PREREQUISITE: ABILITY TO READ MUSIC PREFERRED

This is a survey course examining the development of Lyric Theater from its beginnings in the seventeenth century to the present day. Special focus will be on the aesthetic interplay and relationship between text and music and how it affected the composer's and singer's art throughout the history of Lyric Theater.

XLIST: SPA

01 T, TH 01:00PM-02:20PM WAT-107 Schindelmann, Marco

**MUS-259-01 Literature of the Major 0.00 credits**

PREREQUISITE: PERFORMANCE MAJORS ONLY.

Satisfied by an examination given by the applied instructor during the final semester in residence covering the standard solo, ensemble, and technical literature of the instrument or voice. Students are expected to secure the appropriate literature list from their private teachers upon entry into the performance program.

01 TBA TBA-TBA TBA Glendening, Andrew

**MUS-399-01 Junior Recital 0.00 credits**

A minimum of 3 credits of private instruction on the major instrument or voice must be taken concurrently. Recital must be 30 minutes in length.

01 TBA TBA-TBA TBA Glendening, Andrew

**MUS-300-01 Hist & Lit to 1750 4.00 credits**

Comprehensive survey of the Western musical tradition from antiquity to the end of the Baroque period. Development of musical style studied through the achievements of great composers and the artistic, social, and cultural elements that were determining factors.

LAF: HH

01 M, W, F 09:30AM-10:50AM WAT-113 Baber, Katherine (WA)

02 M, W, F 08:00AM-09:20AM WAT-113 Baber, Katherine (WA)

**MUS-406-01 20th Cent Music Lit 4.00 credits**

PREREQUISITE: MUS-301

Examination and appreciation of the styles and major composers of the Twentieth Century. Detailed study of selected works.

01 M, W 01:00PM-02:20PM WAT-103 Baber, Katherine (WB)

**MUS-323-01A Choral Mus - Pre-College Lev 4.00 credits**

PREREQUISITE: MUS-335

Methods and materials for teaching vocal music in K-12 schools including chorus, vocal chamber ensembles, voice classes, recitals, stage productions, theory, and listening experiences.

01A W, F 01:00PM-02:20PM WAT-113 AND WAT-103 Modica, Joseph

**MUS-438-01 Advanced Composition 2.00-4.00 credits**

PREREQUISITE: ADMISSION INTO THE B.M. IN COMPOSITION, OR INSTRUCTOR'S PERMISSION.

Weekly seminar and private study to encourage further exploration and development of an individual compositional style. Coursework will include specific composing assignments, listening reports, and the completion of a performance-ready score, as well as individual composing projects. May be repeated for degree credit for a maximum of 16 credits.

01 F 02:30PM-03:50PM WAT-103 Suter, Anthony

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**MUS-498A-01 Full Senior Recital 0.00 credits**

A minimum of three credits of private instruction on the major instrument or voice must be taken concurrently. Composition majors may present, during the senior year, well-rehearsed public presentations of three to four works (or equivalent) in lieu of a single recital. The Full Senior Recital must be one hour in length.

01 TBA TBA-TBA TBA Glendening, Andrew

**MUS-498B-01 Half Senior Recital 0.00 credits**

A minimum of 3 credits of private instruction on the major instrument or voice must be taken concurrently. The Half Senior Recital must be thirty minutes in length.

01 TBA TBA-TBA TBA Glendening, Andrew

**MUS-498C-01 Senior Project 0.00-2.00 credits**

01 TBA TBA-TBA TBA Glendening, Andrew

**MUS-600-01 Grad Studies Musicology 3.00 credits**

Exploration of varied methodologies in musicology, ethnomusicology, and related fields. Selected area(s) of topical emphasis to be determined by instructor.

01 M, W 06:30PM-07:50PM WAT-103 Myers, Andre

**MUS-611-01 Accompanying 1.00 credits**

Study of vocal coaching (opera and art song) and instrumental accompanying techniques. Practicing, rehearsing together, literature, transposition, and sight-reading. Supervised practice sessions. May be repeated for up to 4 degree credits.

01 M 02:30PM-03:50PM WAT-107 Urrutia, Lara

**MUS-628-01 Pedagogy 2.00 credits**

Principles and theories of pedagogy applied to the teaching of music. Open to majors or minors only.

01 T, TH 09:30AM-10:50AM WAT-103 Lovell, Stephanie

**MUS-638-01 Composition 3.00-4.00 credits**

PREREQUISITE: ABILITY TO READ AND NOTATE MUSIC, BASIC KEYBOARD SKILLS.

The exploration and development of individual compositional styles through private lessons and class meetings. Projects and assignments are geared to each student's background and experience.

01 F 02:30PM-03:50PM WAT-103 Suter, Anthony

**MUS-640-01 Orch Performance Practicum 0.00-1.00 credits**

PREREQUISITE: PERMISSION OF INSTRUCTOR AND A CONFIRMED FIELD EXPERIENCE SUCH AS HAVING QUALIFIED FOR THE RSO STUDENT MUSICIAN LIST

Practicum in orchestral performance from audition to performance. Students develop performance resumes, research excerpts lists, and perform mock auditions, study collective bargaining agreements, rehearsal protocol and complete field experiences in a professional orchestral setting.

01 F 11:00AM-12:50PM WAT-107 Scott, David

**MUS-670-01 Role Study: Gilda/ 'Rigoletto' 2.00 credits**

01 TBA TBA-TBA TBA Tosh, Melissa

**MUS-698-01 Graduate Recital 0.00 credits**

Composition majors may present (once each year) well-rehearsed public presentations of three to four works (or equivalent) in lieu of a single recital.

01 TBA TBA-TBA TBA Glendening, Andrew



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**MUS-699-01 Final Examination 0.00 credits**

01 TBA TBA-TBA TBA Baber, Katherine

**MUSI-121-01 Class Piano 1.00 credits**

Emphasis on basic piano technique and elementary music-reading skills. Includes harmony, accompanying, improvisation, and musical performance. Functional keyboard skills appropriate to each B.A. and B.M. major track. May be repeated for degree credit for a maximum of 3 credits, but must be repeated until basic competencies and skill levels are met.

LAF: CP

01 M, W 08:30AM-09:20AM FAS-108 Urrutia, Lara  
02 T, TH 08:30AM-09:20AM FAS-108 Urrutia, Lara  
03 M, W 09:30AM-10:20AM FAS-108 Urrutia, Lara  
04 T, TH 09:30AM-10:50AM FAS-108 Urrutia, Lara  
05 T, TH 11:00AM-11:50AM FAS-108 Urrutia, Lara  
06 M, W 01:00PM-01:50PM FAS-108 Urrutia, Lara

**MUSI-110-01 Opera Workshop 0.00-3.00 credits**

Preparation and performance of scenes from opera or musical theatre.

LAF: CP

01 M, W, F 04:00PM-05:50PM FAS-107 AND WAT-103 Schindelmann, Marco

**MUSI-124-01 Introduction to Voice 1.00 credits**

LAF: CP

01 TH 11:00AM-12:20PM WAT-103 Tosh, Melissa

**MUSI-111-01 University Choir 0.00-1.00 credits**

LAF: CP

01 M 06:00PM-09:00PM CHP-MAIN Modica, Joseph

**MUSI-131-01 UR Symphony Orchestra 0.00-1.00 credits**

PREREQUISITE: AUDITION REQUIRED.

LAF: CP

01 M, W 04:00PM-05:50PM CHP-MAIN Nguyen, Co

**MUSI-112-01 Chapel Singers 0.00-1.00 credits**

PREREQUISITE: AUDITION REQUIRED.

LAF: CP

01 M, W, F 11:00AM-12:50PM CHP-MAIN Andrews, Nicholle

**MUSI-133-01 Chamber Ensemble: Strings 0.00-1.00 credits**

LAF: CP

01 TBA TBA-TBA TBA Skrocki, Jeanne

**MUSI-114-01 Bel Canto 0.00-1.00 credits**

PREREQUISITE: AUDITION REQUIRED.

LAF: CP

01 M, W, F 11:00AM-12:50PM WAT-103 Modica, Joseph

**MUSI-135-01 Jazz Improvisation Ensemble 0.00-1.00 credits**

PREREQUISITE: AUDITION REQUIRED.

Performance of small jazz ensemble literature from various style periods with a focus on developing improvisation skills.

LAF: CP

01 TBA TBA-TBA TBA Murphy, Daniel  
02 T, TH 01:00PM-02:20PM WAT-113 Murphy, Daniel

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**MUSI-136-01 Studio (Jazz) Band 0.00-1.00 credits**  
PREREQUISITE: AUDITION REQUIRED.

LAF: CP  
01 T, TH 11:00AM-12:50PM WAT-113 Scott, David

**MUSI-611-01 University Choir 0.00-1.00 credits**

01 M 06:00PM-09:00PM CHP-MAIN Modica, Joseph

**MUSI-138-01 Wind Ensemble 0.00-1.00 credits**

LAF: CP  
01 T, TH 04:00PM-05:50PM UNH-MAIN Smith, Eddie

**MUSI-612-01 Chapel Singers 0.00-1.00 credits**

PREREQUISITE: AUDITION REQUIRED.

01 M, W, F 11:00AM-12:50PM CHP-MAIN Andrews, Nicholle

**MUSI-139-01 Special Ensemble 0.00-1.00 credits**

LAF: CP  
01 Special Ensemble: Bass TBA TBA-TBA TBA Scott, David  
02 Special Ensemble: Winds TBA TBA-TBA TBA Nevin, Kathryn  
03A Classical Guitar Ensemble TH 07:30PM-09:30PM WAT-113 Green, Stuart  
03B Jazz Guitar Ensemble F 01:00PM-02:20PM WAT-113 Fisher, Jody  
04 Percussion Ensemble TH 07:00PM-10:00PM UNH-MAIN Schlitt, William  
05 Special Ensemble TBA TBA-TBA TBA Glendening, Andrew

**MUSI-614-01 Bel Canto 0.00-1.00 credits**

PREREQUISITE: AUDITION REQUIRED.

01 M, W, F 11:00AM-12:50PM WAT-103 Modica, Joseph

**MUSI-140-01 Symphonic Band 0.00-1.00 credits**

LAF: CP  
01 M, W 04:00PM-05:50PM UNH-MAIN Scott, David

**MUSI-631-01 UR Symphony Orchestra 0.00-1.00 credits**

PREREQUISITE: AUDITION REQUIRED.

01 M, W 04:00PM-05:50PM CHP-MAIN Nguyen, Co

**MUSI-610-01 Opera Workshop 0.00-3.00 credits**

Preparation and performance of scenes from opera or musical theatre.

01 M, W, F 04:00PM-05:50PM FAS-107 AND WAT-103 Schindelmann, Marco

**MUSI-633-01 Ch. Ens: Strings 0.00-1.00 credits**

01 TBA TBA-TBA TBA Skrocki, Jeanne

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**MUSI-635-01 Jazz Improvisation Ensemble 0.00-1.00 credits**

01 TBA TBA-TBA TBA Murphy, Daniel  
02 T, TH 01:00PM-02:20PM WAT-113 Murphy, Daniel

**MUS-X06-01 Grad Tutorial Music Theory 1.00 credits**

Review of tonal theory, including advanced chromatic harmony and formal analysis. Includes preparation for graduate-level work in music theory. Note: This course does not count towards degree completion.

01 TBA TBA-TBA TBA Lovell, Stephanie

**MUSI-636-01 Studio (Jazz) Band 0.00-1.00 credits**

PREREQUISITE: AUDITION REQUIRED.

01 T, TH 11:00AM-12:50PM WAT-113 Scott, David

**MVC-101-01 Intro Visual & Media Studies 4.00 credits**

Introduces students to the critical study of visual culture and the spectrum of media. Provides basic grounding in visual competency (i.e., the formal, semiotic and ideological analysis of visual expression and communication) and in the critical analysis of film, television, radio, interactive media and participatory media.

LAF: HP

01 M, W 02:30PM-03:50PM APH-128 Britton, Piers

**MUSI-638-01 Wind Ensemble 0.00-1.00 credits**

PREREQUISITE: AUDITION REQUIRED.

01 T, TH 04:00PM-05:50PM UNH-MAIN Smith, Eddie

**MVC-201-01 Writing Media & Visual Culture 4.00 credits**

This writing intensive course is designed to help students to hone their ability to think and write critically about film, television and other media, develop research skills, and cultivate their ability to write a sustained paper without a fixed topic or assignment. Focus of course subject matter varies.

01 M, W 01:00PM-02:20PM APH-128 Britton, Piers (WA)

**MUSI-639-01 Special Ensemble 0.00-1.00 credits**

01 Special Ensemble: Bass TBA TBA-TBA TBA Scott, David  
02 Special Ensemble: Woodwinds TBA TBA-TBA TBA Nevin, Kathryn  
03A Classical Guitar Ensemble TH 07:30PM-09:00PM WAT-113 Green, Stuart  
03B Jazz Guitar Ensemble F 01:00PM-02:20PM WAT-113 Fisher, Jody  
04 Percussion Ensemble TH 07:00PM-10:00PM UNH-MAIN Schlitt, William  
05 Special Ensemble TBA TBA-TBA TBA Glendening, Andrew

**MVC-264-01 Travel, Tourism & Moving Image 4.00 credits**

Focuses on special topics, themes or projects in the fields of visual and media studies, including courses that combine critical and creative or production elements.

01 T, TH 02:30PM-03:50PM HKE-101 Hankin, Kelly

**MUSI-640-01 Symphonic Band 0.00-1.00 credits**

PREREQUISITE: AUDITION REQUIRED.

01 M, W 04:00PM-05:50PM UNH-MAIN Scott, David

**MVC-370-01 Travel Journal & Reflection 3.00 credits**

01 TBA TBA-TBA TBA Britton, Piers

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**MVC-495-01 Senior Seminar 4.00 credits**

PREREQUISITE: MVC-101, MVC-395, AND SENIOR STANDING

The second part of a two-semester capstone sequence, within which students build upon, integrate, and extend previous VMS work through the design and development of an extended research paper or comparable project.

01 M, W 08:00AM-09:20AM HOL-213 Britton, Piers (WB)

**PE-381-01 Special Internship: PE 1.00-3.00 credits**

01 TBA TBA-TBA TBA Whittemore, Thomas

**PE-110-01 Foundations of PE & Sport 4.00 credits**

Introduction to the historical and philosophical foundations of physical education and sport. Includes an interpretive study and analysis of ethical decisions, current issues, organization, and administration of physical education and athletics. Career opportunities in the field are also discussed.

01 T, TH 01:00PM-02:20PM GYM-A Roche, Geoffrey

**PE-382-01 Special Internship: Coaching 2.00-4.00 credits**

01 TBA TBA-TBA TBA Whittemore, Thomas

**PE-250-01 Teach Team & Indiv Sport 3.00 credits**

RECOMMENDED: PE-310

Designed to instruct students in the methods of teaching individual and team skills. This includes teaching progressions and drill development.

01 T, TH 11:00AM-12:20PM GYM-A Ducey, James

**PEAC-0FD-01 Dynamic Fit: Speed & Agility 1.00 credits**

LAF: PE

01 T, F 04:00PM-04:50PM STA-FIELD Holley, Aaron

**PE-320-01 Sci Concepts: PE & Sport 4.00 credits**

PREREQUISITE: BIOL-107 OR BY PERMISSION.

Examination of the biological, physiological, and mechanical principles that govern all movement in physical activity, as well as adjustments and acclimatizations that accrue as a result of training and skill development.

LAF: M3

01 M, W, F 09:30AM-10:50AM NUH-111 Soboti, Suzette

**PEAC-0FE-01 Dynamic Fit: Strength & Power 1.00 credits**

LAF: PE

01 M, TH 04:00PM-04:50PM FHS-FC Holley, Aaron

**PE-340-01 Care/Cond of Ath Injury 3.00 credits**

PREREQUISITE: PE-320

Designed to give the future athletic trainer, coach, or physical education instructor a basic knowledge of the prevention, recognition, and/or care of athletic injuries. Topics offered include injury evaluation, treatment, taping, and protective techniques involved with today's young athletes. Laboratory work with the athletic trainer is required.

01 T, TH 09:30AM-10:50AM NUH-112 Harvey, Nicolas

**PEAC-0FJ-01 Jogging 1.00 credits**

LAF: PE

01 T, TH 08:00AM-08:50AM FHS-PRAC TBA

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**PEAC-0FL-01 Low Impact Aerobics 1.00 credits**

LAF: PE  
01 M, W 11:00AM-12:20PM GYM-REC Chase, Lisa

**PEAC-0FY2-01 Yoga-Intermediate 1.00 credits**

Yoga mat is required.  
LAF: PE  
01 W 09:30AM-10:50AM GYM-REC Chase, Lisa

**PEAC-0FP-01 Personalized Fitness 1.00 credits**

LAF: PE  
01 T, TH 08:00AM-08:50AM FHS-FC Keith, Alex

**PEAC-0LH-01 Cheerleading 1.00 credits**

Tryouts required.  
LAF: PE  
01 TBA TBA-TBA GYM-REC TBA

**PEAC-0FX-01 Flexibility 1.00 credits**

LAF: PE  
01 F 11:00AM-12:20PM GYM-REC Chase, Lisa

**PEAC-0LL-01 Lacrosse 1.00 credits**

LAF: PE  
01 T, TH 01:00PM-01:50PM FAR-FLD2 TBA

**PEAC-0FY-01 Yogalates 1.00 credits**

A combination of Yoga & Pilates, Yogalates gives you the flexibility of Yoga, but also the strengthening of your core muscles. Exercises are designed to strengthen abdominals, lower back, and buttocks as well as increase flexibility to improve posture, stabilize and lengthen the spine, improve balance, and overall strength. CN only.  
LAF: PE  
01 F 09:30AM-10:50AM GYM-REC Chase, Lisa

**PEAC-0LS-01 Swimming 1.00 credits**

LAF: PE  
01 M, W 11:00AM-11:50AM TAC-AQUAPOOL TBA

**PEAC-0FY1-01 Yoga-Beginning 1.00 credits**

Yoga mat is required.  
LAF: PE  
01 M 09:30AM-10:50AM GYM-REC Chase, Lisa

**PEAC-0LT1-01 Tennis-Beginning 1.00 credits**

LAF: PE  
01 T, TH 11:00AM-11:50AM GYM-TNCRTS TBA

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**PEAC-OLT3-01 Tennis-Advanced 1.00 credits**

LAF: PE  
01 T, TH 02:30PM-03:20PM GYM-TNCRTS Roche, Geoffrey

**PEAC-SCW-01 Soccer: Women 1.00 credits**

LAF: PE  
01 TBA TBA-TBA FAR-FLD Soboti, Suzette

**PEAC-CCM-01 Cross-Country: Men 1.00 credits**

LAF: PE  
01 TBA TBA-TBA FHS-PRAC Schmidt, Michael

**PEAC-VBW-01 Volleyball: Women 1.00 credits**

LAF: PE  
01 TBA TBA-TBA GYM-FLOOR Lindberg, Lisa

**PEAC-CCW-01 Cross-Country: Women 1.00 credits**

LAF: PE  
01 TBA TBA-TBA FHS-PRAC Schmidt, Michael

**PEAC-WPM-01 Water Polo: Men 1.00 credits**

LAF: PE  
01 TBA TBA-TBA TAC-AQUAPOOL Whittemore, Thomas

**PEAC-FBM-01 Football: Men 1.00 credits**

LAF: PE  
01 TBA TBA-TBA FHS-PRAC Maynard, Michael

**PHIL-100-01 Intro to Philosophy 4.00 credits**

Introduction to substantive issues in philosophy through examination of historical and contemporary sources. Designed to provide a survey of topics in various areas, including ethics, metaphysics, and epistemology.  
LAF: HP  
01 T, TH 11:00AM-12:20PM HOL-105 Krueger, James  
02 M, W 01:00PM-02:20PM LAR-123 O'Neill, Kevin

**PEAC-SCM-01 Soccer: Men 1.00 credits**

LAF: PE  
01 TBA TBA-TBA FAR-FLD Perez, Ralph

**PHIL-102-01 Intro to Chinese Philosophy 4.00 credits**

An introduction to Chinese philosophy. Readings selected mainly from Confucian, Taoist, and Buddhist traditions. No prior acquaintance with Chinese literature or Philosophy will be presupposed.  
LAF: HP, CC XLIST: AST  
01 M, W 11:30AM-12:50PM HOL-315 Jiang, Xinyan  
02 M, W 02:30PM-03:50PM HOL-315 Jiang, Xinyan

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**PHIL-110-01 Contemporary Moral Issues 4.00 credits**

Examination of competing ethical and social-political theories in the context of current ethical controversies.

LAF: HP XLIST: PLCY

01 M, W 09:30AM-10:50AM HKE-201 Garcia, David

**PHIL-336-01 Philosophy of Mind 4.00 credits**

PREREQUISITE: ONE COURSE IN PHILOSOPHY.

Seminar examining selected topics in the philosophy of mind, emphasizing contemporary sources. Topics include the mind-body problem, privacy and the problem of other minds, self-deception, artificial intelligence, personal identity, and analysis of such concepts as memory, emotion, action, belief, and dreaming.

01 W, F 01:00PM-02:20PM HOL-315 Finsen, Lawrence

**PHIL-160-01 Crime and Punishment 4.00 credits**

Study of selected topics, movements, authors, or works in philosophy chosen to reflect student interest and instructor availability. May be repeated for degree credit given different topics for a maximum of 8 credits.

LAF: HP

01 T, TH 09:30AM-10:50AM HOL-315 Jenni, Kathie

02 T, TH 11:00AM-12:30PM HOL-315 Jenni, Kathie

**PHIL-460-01 Advanced Seminar in Philosophy 4.00 credits**

PREREQUISITE: JUNIOR OR SENIOR STANDING, AND PHIL-200 OR PHIL-220, OR BY PERMISSION.

An advanced and in-depth examination of a particular topic, movement or figure in philosophy that requires the completion of a major writing assignment. Topics vary. May be repeated for degree credit.

01 W 06:00PM-09:00PM HOL-315 Jiang, Xinyan

**PHIL-200-01 Greek Philosophy 4.00 credits**

Study of original texts in Greek philosophy selected from the pre-Socratics, Plato, Aristotle, and the Stoics. Students are acquainted with philosophers who began the Western intellectual tradition.

LAF: HP

01 T, TH 02:30PM-03:50PM HOL-315 Krueger, James

**PHYS-160-01 Topics in Physics & Astronomy 4.00 credits**

COREQUISITE: PHYS-160L

Topics in physics and astronomy of interest to non-majors which are not regularly offered. May be repeated for degree credit given a different topic.

01 M, W 02:30PM-03:50PM AHN-116 TBA

**PHIL-215-01 Bioethics: Doctors & Patients 4.00 credits**

Examination of the ethical issues that arise within the relationship between doctors and patients. Topics include paternalism, autonomy, confidentiality, informed consent, and the conflicts that can arise in medical research.

LAF: DD, HP

01 T, TH 08:00AM-09:20AM HOL-315 Krueger, James

**PHYS-160L-01 Topics in Phys & Astronomy Lab 0.00 credits**

COREQUISITE: PHYS-160

01 W 01:00PM-03:50PM AHN-117 TBA

02 TH 01:00PM-03:50PM AHN-117 TBA

**PHIL-260-01 Animals and Science 4.00 credits**

Study of selected topics, movements, authors, or works in philosophy, chosen to reflect student and instructor interest.

LAF: HP XLIST: HAST

01 T, TH 01:00PM-02:20PM HOL-209 Jenni, Kathie

**PHYS-220-01 Fndmntls of Physics I 4.00 credits**

COREQUISITE: PHYS-220L

Introduction to Newtonian mechanics, fluids, and thermodynamics. Includes lecture and laboratory components. Expects competency in high school algebra, geometry, and trigonometry.

LAF: M1

01 M, W, F 08:00AM-09:20AM AHN-116 TBA

02 M, W, F 09:30AM-10:50AM AHN-116 TBA

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**PHYS-220L-01 Fndmntls of Physics Lab 0.00 credits**  
 COREQUISITE: PHYS-220

01 M 01:00PM-03:50PM AHN-131 Hill, Stephen  
 02 T 01:00PM-03:50PM AHN-131 TBA  
 03 W 01:00PM-03:50PM AHN-131 TBA  
 04 TH 01:00PM-03:50PM AHN-131 TBA

**PHYS-231-01 General Physics I 4.00 credits**  
 PRE OR CO-REQUISITE: MATH-119 OR MATH-121 OR MATH-122 OR  
 MATH-221; COREQUISITE: PHYS-231L  
 Quantitative study of classical Newtonian mechanics. Includes lecture  
 and laboratory components.  
 LAF: M1  
 01 M, W, F 11:00AM-12:20PM AHN-116 Nordgren, Tyler

**PHYS-231L-01 General Physics I Lab 0.00 credits**  
 COREQUISITE: PHYS-231

01 W 01:00PM-03:50PM AHN-101 TBA  
 02 TH 01:00PM-03:50PM AHN-101 Nordgren, Tyler

**PHYS-233-01 General Physics III 4.00 credits**  
 PREREQUISITE: PHYS-231, AND PHYS-232 OR INSTRUCTORS PERMIS-  
 SION. COREQUISITE: PHYS-233L; PRE- OR CO-REQUISITE: MATH-221  
 Introduction to geometric optics, wave optics, quantum mechanics,  
 thermodynamics, and statistical mechanics. Includes lecture and labora-  
 tory components.

01 T, TH 09:30AM-11:00AM AHN-117 Rathbun, Julie

**PHYS-233L-01 General Physics III Lab 0.00 credits**  
 COREQUISITE: PHYS-233

01 T 01:00PM-03:50PM AHN-117 Rathbun, Julie

**PHYS-341-01 Quantum Mechanics 4.00 credits**  
 PREREQUISITE: PHYS-233, AND MATH-235  
 Fundamentals of quantum theory. Includes development of mathemati-  
 cal formalism, application to two and three dimensional models, and a  
 detailed treatment of the one-electron atom.

01 M, W, F 11:00AM-12:20PM AHN-117 Hill, Stephen

**PHYS-344-01 Thermal & Statistical Physics 4.00 credits**  
 PREREQUISITE: PHYS-233, AND MATH-221  
 Fundamental principles of classical thermodynamics and kinetic theory.  
 Classical and quantum statistical properties of matter and radiation.

01 M, W, F 01:00PM-02:20PM AHN-116 DeWeerd, Alan

**POLI-111-01 Intro American Politics 4.00 credits**  
 Introduction to the dynamics of government and politics in the United  
 States and analysis of major contemporary public policy problems.  
 LAF: SE XLIST: IR, PLCY

01 M, W 11:00AM-12:20PM DUK-313 Van Vechten, Renee  
 02 T, TH 09:30AM-10:50AM HOL-205 TBA  
 03 M, W 01:00PM-02:20PM HOL-317 TBA

**POLI-123-01 Intro to World Politics 4.00 credits**  
 The principal problems facing the world community and its constitu-  
 ent states and nations, especially crisis areas. A basic introduction to  
 international relations and/or comparative politics and a guide to fuller  
 understanding of current events and the conceptual issues that help  
 students to understand them.

LAF: SE XLIST: IR  
 01 T, TH 09:30AM-10:50AM HOL-317 McLaughlin, Eric  
 02 T, TH 11:30AM-12:50PM HOL-321 Ng-Quinn, Michael  
 03 T, TH 11:00AM-12:20PM HOL-317 Auton, Graeme

**POLI-150-01 Foundations of Pol Theory 4.00 credits**  
 Answers to questions such as 'What is justice? (OR freedom? Or equal-  
 ity?)' 'Who is a good citizen and why?' 'What is a good state?' and  
 'What should my obligations be?' are debated continually, even as they  
 shape much of the world we live in and share with others. This course  
 introduces students to these core questions as developed by political  
 theorists from antiquity to today, and challenges students to generate  
 working answers to those questions.

Open for contract/evaluation.  
 01 M, W 09:30AM-10:50AM HKE-204 TBA



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**POLI-202-01 Statistical Analysis/ Mapping 4.00 credits**

Principles of hypothesis development and testing, strategies for making controlled comparisons, principles of statistical inference, and tests of statistical significance. Principles of mapping social science data, including the display of descriptive data using maps, and evaluating model fit by plotting residuals across geographic space. Open for contract/evaluation.

LAF: M3 XLIST: BUS, ECON, PLCY, SPA  
 01 T, TH 02:30PM-03:50PM LIB-140 McLaughlin, Eric  
 02 T, TH 01:00PM-02:20PM LIB-140 McLaughlin, Eric

**POLI-209-01 Intro Public Policy Analysis 4.00 credits**

Introduction to both the theoretical foundations and processes of public policymaking. Case studies of educational policy, health care policy, welfare policy, economic policy, and/or tax policy.

LAF: SE XLIST: PLCY  
 01 M, W 02:30PM-03:50PM HOL-205 TBA

**POLI-222-01 Asian Politics & Development 4.00 credits**

The historical background and contemporary development of selected Asian countries, especially China and Japan, emphasizing the political framework within which development strategies are proposed, debated, and implemented. The Chinese revolution and its effects on subsequent political and economic development are put into perspective.

LAF: CC, SE XLIST: AST, IR, LAST  
 01 T, TH 02:30PM-03:50PM HOL-321 Ng-Quinn, Michael

**POLI-250-01 American Foreign Policy 4.00 credits**

How to analyze American foreign policy. Variables discussed include idiosyncrasy, roles, perception and misperception, political culture, interest groups, the media, public opinion, bureaucratic behavior and politics, decision-making, multiple advocacy, the Congress, the international system, and international political economy.

LAF: SE XLIST: IR  
 01 M, W 01:00PM-02:20PM HOL-319 Ng-Quinn, Michael

**POLI-306-01 Con Law: Natl & State Powers 4.00 credits**

PREREQUISITE: SOPHOMORE STANDING  
 Examination of governmental powers focusing primarily upon the Supreme Court's interpretation of constitutional language contained in Articles I, II, III, VI, and Amendment X; the relationships among legislative, executive, and judicial powers, as well as the nexus between national and state powers, are extensively explored.

01 M, W 01:00PM-02:20PM HOL-321 Svenson, Arthur

**POLI-362-01 Political Violence 4.00 credits**

PREREQUISITE: A COMPARATIVE POLITICS AND INTERNATIONAL RELATIONS COURSE.

Selected intermediate topics in comparative government chosen to reflect student interest and instructor availability. May be repeated for degree credit for a maximum of 8 credits given a different topic.

01 M, W 02:30PM-03:50PM HOL-317 McLaughlin, Eric

**POLI-457-01 Health Care Policy 4.00 credits**

PREREQUISITE: POLI-111 OR POLI-209 OR JUNIOR STANDING  
 Examination of the U.S. health care system, including the evolution and impact of Medicare, Medicaid, and the SCHIP programs. Comparison of effectiveness of the U.S. health care system with other systems around the world. Examination of recent attempts to reform the U.S. health care system and their likely impacts.

LAF: SE XLIST: PLCY  
 01 M, W 11:00AM-12:20PM HOL-317 Thorson, Gregory (WB)

**POLI-460-01 Adv Sem Amer Politics 4.00 credits**

PREREQUISITE: Any American Politics course.  
 Topics are announced in the Schedule of Classes.

01 W 06:00PM-08:50PM HOL-319 Van Vechten, Renee

**POLI-463-01 Equal Protection 4.00 credits**

PREREQUISITE: POLI-306 OR POLI-307  
 Topics are announced in the Schedule of Classes.

01 T 09:30AM-12:20PM HOL-325 Svenson, Arthur (WB)

**POLI-495-01 Political Science Capstone 4.00 credits**

PREREQUISITE: SENIOR STANDING.  
 Four-credit, guided research seminar for graduating seniors. Students will produce and present individual research projects with a common theme. Work must reflect best practices and mastery of the Department's learning outcomes required for major; students must pass to graduate.

XLIST: LAST, PLCY  
 01 M, W 01:00PM-02:20PM DUK-108 Wuhs, Steven (WB)

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**PSYC-100-01 Intro to Psychology 4.00 credits**

Survey of classic and contemporary theory and research in human and animal behavior. Topics include the biopsychological bases of behavior, learning, cognition, motivation, developmental and social processes, and psychological disorders and their treatment.

LAF: HB

01 M, W 08:00AM-09:20AM LAR-127 Salmon, Catherine

02 T, TH 08:00AM-09:20AM LAR-127 Silva, Francisco

03 M, W 11:00AM-12:20PM LAR-127 Rickabaugh, Cheryl

04 M, W 01:00PM-02:20PM LAR-127 Springsted, Jason

05 T, TH 09:30AM-10:50AM HKE-204 Dulcich, Melissa

**PSYC-210-01 Personality Theories 4.00 credits**

PREREQUISITE: PSYC-100 [MINIMUM GRADE 2.7 OR HIGHER] OR BY PERMISSION.

Survey of major paradigms of personality theories emphasizing different perspectives on the structure, dynamics, functions, and development of the normal personality.

LAF: HB

01 T, TH 01:00PM-02:20PM LAR-127 Springsted, Jason

**PSYC-220-01 Exceptional Child 4.00 credits**

PREREQUISITE: PSYC-100 [MINIMUM GRADE 2.7 OR HIGHER] OR BY PERMISSION.

Nature, determinants, and problems of gifted, mentally retarded, and sensory and physically disabled children.

01 M, W 11:00AM-12:20PM LAR-125 Springsted, Jason

**PSYC-250-01 Statistical Methods 4.00 credits**

PREREQUISITE: PSYC-100 [MINIMUM GRADE 2.7 OR HIGHER] OR BY PERMISSION.

Introduction to the use of descriptive and inferential statistics in the collection of data and the interpretation of research in psychology and education.

XLIST: PLCY

01 M, W 08:00AM-09:20AM LAR-124 AND LAR-125 Silva, Francisco

02 T, TH 02:30PM-03:50PM LAR-127 AND LAR-124 Silva, Kathleen

03 M, W 01:00PM-02:20PM LAR-124 Hehman-Schniter, Jessica

**PSYC-300-01 Research Methods 4.00 credits**

PREREQUISITE: PSYC-100 [MINIMUM GRADE 2.7 OR HIGHER], AND PSYC-250 [MINIMUM GRADE 2.0 OR HIGHER] OR BY PERMISSION.

Study of scientific methods in psychology, including descriptive, correlational, and experimental approaches, with emphases on artifacts, biases, and ethical issues in psychological research.

LAF: M3

01 T, TH 09:30AM-10:50AM LAR-124 Hehman-Schniter, Jessica

02 M, W 02:30PM-03:50PM LAR-124 AND LAR-125 Silva, Kathleen

**PSYC-320-01 Psychology of Gender 4.00 credits**

PREREQUISITE: PSYC-100 [MINIMUM GRADE 2.7 OR HIGHER] OR BY PERMISSION.

Survey of biological, psychological, and sociocultural issues relevant to the psychology of gender. Emphasis on cultural images of men, women, and children; gender differences and similarities; gender-role socialization; sexuality and reproduction; psychological adjustment; and interpersonal relations.

LAF: DD XLIST: WGS

01 T, TH 11:00AM-12:20PM LAR-125 Rickabaugh, Cheryl

**PSYC-335-01 Developmental Psychology 4.00 credits**

PREREQUISITE: PSYC-100 [MINIMUM GRADE 2.7 OR HIGHER] OR BY PERMISSION.

Survey of normal developmental patterns from infancy to old age and theories of development with emphasis on current literature.

01 M, W 09:30AM-10:50AM LAR-125 Hehman-Schniter, Jessica

**PSYC-344-01 Abnormal Psychology 4.00 credits**

PREREQUISITE: PSYC-100 [MINIMUM GRADE 2.7 OR HIGHER] OR BY PERMISSION.

Survey of current theories of abnormal behavior with emphasis on the role of the psychologist in diagnosis, research, and treatment, as well as an understanding of the ethical and societal concerns related to psychiatric and behavioral disorders.

01 T, TH 01:00PM-02:20PM LAR-125 Ko Roberson, Celine

**PSYC-349-01 Social Psychology 4.00 credits**

PREREQUISITE: PSYC-100 [MINIMUM GRADE 2.7 OR HIGHER] OR BY PERMISSION.

Survey of the effect of social environment and social interaction upon individuals' perceptions of themselves and others. Topics include self-perception, interpersonal perception, social influence, (e.g., conformity and persuasion), and social relations (e.g., aggression, altruism, and interpersonal attraction).

01 M, W 01:00PM-02:20PM LAR-125 Rickabaugh, Cheryl

**PSYC-350-01 Evolutionary Psychology 4.00 credits**

PREREQUISITE: PSYC-100 [MINIMUM GRADE 2.7 OR HIGHER] OR BY PERMISSION.

The evolution of social behavior is the primary focus of this course. The first few weeks will be devoted to the study of evolutionary theory as it applies to behavior. We will cover parental care, parent-offspring conflict, sexual selection, sex differences, sexuality, altruism, and cooperation.

XLIST: HAST

01 T, TH 09:30AM-10:50AM LAR-125 Salmon, Catherine

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**PSYC-360-01 Current Issues in Personality 4.00 credits**

PREREQUISITE: PSYC-100 [MINIMUM GRADE 2.7 OR HIGHER] OR BY PERMISSION.

In-depth examination of contemporary topics in the field of psychology. Recent offerings have included psychology of criminal behavior and current issues in personality.

01 M, W 09:30AM-10:50AM LAR-127 Goldstein, Susan

**PSYC-435-01 Cross-Cultural Psychology 4.00 credits**

PREREQUISITE: PSYC-100 [MINIMUM GRADE OF 2.7 OR HIGHER], AND PSYC-250 [MINIMUM GRADE 2.0 OR HIGHER], AND PSYC-300 [MINIMUM GRADE 2.0 OR HIGHER] OR BY PERMISSION.

The methods and issues involved in cross-cultural psychology. The first half is an exploration of cross-cultural methodology and an examination of the universality of psychological theory. The second half is a focus on how knowledge about cultural differences has been applied to situations of intercultural contact. Note: Students who receive credit for this course may not receive credit for PSYC-262, Culture and Human Behavior.

LAF: CC XLIST: REST

01 T, TH 09:30AM-10:50AM LAR-126 Goldstein, Susan (WB)

**PSYC-439-01 History and Systems 4.00 credits**

PREREQUISITE: PSYC-100 [MINIMUM GRADE 2.7 OR HIGHER], AND PSYC-250 [MINIMUM GRADE 2.0 OR HIGHER], AND PSYC-300 [MINIMUM GRADE 2.0 OR HIGHER] OR BY PERMISSION.

A sampling of theoretical approaches throughout the history of psychology emphasizing understanding and evaluating psychological information in its historical context, and the development of an appreciation for the diversity of psychology.

01 M, W 09:30AM-10:50AM LAR-126 Silva, Francisco (WB)

**PSYC-440-01 Counseling 4.00 credits**

PREREQUISITE: PSYC-100 [MINIMUM GRADE OF 2.7 OR HIGHER], AND PSYC-250 [MINIMUM GRADE OF 2.0 OR HIGHER], AND PSYC-300 [MINIMUM GRADE OF 2.0 OR HIGHER], AND PSYC-344 [MINIMUM GRADE OF 1.7 OR HIGHER].

Philosophy, theories, and applications of counseling and psychotherapy. Emphasis on developing basic counseling skills, learning professional ethics and standards, and exploring current theoretical models of counseling and their relation to the needs and trends within society.

01 F 12:00PM-03:00PM LAR-126 Ko Roberson, Celine

**PSYC-460-01 Psychology of the Sex Industry 4.00 credits**

PREREQUISITE: PSYC-100 [MINIMUM GRADE OF 2.7 OR HIGHER], AND PSYC-250 [MINIMUM GRADE OF 2.0 OR HIGHER], AND PSYC-300 [MINIMUM GRADE OF 2.0 OR HIGHER] OR BY PERMISSION.

In-depth examination of contemporary topics in the field of psychology. Recent offerings include child psychopathology, psychology of the sex industry, and nature of human relationships.

01 M, W 11:00AM-12:20PM LAR-126 Salmon, Catherine (WB)

**PSYC-487-01 Senior Field Placement 2.00 credits**

PREREQUISITE: PSYC-100 [MINIMUM GRADE OF 2.7 OR HIGHER], AND PSYC-250 [MINIMUM GRADE OF 2.0 OR HIGHER], AND PSYC-300 [MINIMUM GRADE OF 2.0 OR HIGHER], AND SENIOR STANDING OR BY PERMISSION.

Placement with a business, community service agency, or research institute. Faculty and on-site supervision. Students complete a detailed journal on the experience and a presentation to the department faculty. The Community Service requirement can be met through an unpaid field placement at a non-profit agency.

01 F 09:30AM-10:50AM LAR-126 Silva, Kathleen

**PSYC-490-01 Psychology Exit Exam 0.00 credits**

PREREQUISITE: PSYC-100 [MINIMUM GRADE 2.7 OR HIGHER], AND PSYC-250 [MINIMUM GRADE 2.0 OR HIGHER], AND PSYC-300 [MINIMUM GRADE OF 2.0 OR HIGHER], AND SENIOR STANDING.

This is a graduation requirement for psychology seniors. It is an end of senior year exam to assess knowledge/skills obtained over the degree.

01 TBA TBA-TBA TBA Silva, Kathleen

**REL-120-01 Religion & Ethics 4.00 credits**

Exploration of religious ethics in relation to contemporary issues in politics, medicine, biology, and law.

LAF: HP XLIST: PLCY Open for contract/evaluation.

01 M, W 09:30AM-10:50AM LAR-230 Walsh, John

**REL-125-01 Intro to World Religions 4.00 credits**

By studying major religious traditions of the world, students will consider how religious traditions guide the way people live their lives in an ever-increasingly diverse and religiously pluralistic world. Investigations will include both historical studies and the writings of religious traditions.

LAF: CC, HP XLIST: AST, REST

01 T, TH 11:00AM-12:20PM NUH-112 Huntley, William (WA)

02 T, TH 09:30AM-10:50AM LAR-228 Larsen, Lillian (WA)

03 M, W 11:00AM-12:20PM HKE-101 Maury-Holmes, William

04 M, W 02:30PM-03:50PM LAR-228 Moff, Amy

05 T 06:00PM-08:50PM LAR-228 Poland, Arlette

**REL-131-01 Religion in America 4.00 credits**

Exploration of religion in America from the pre-colonial era to the present. Emphases will vary, drawing from a variety of religious communities (including Puritan, Native American, Muslim, Buddhist, African American, Hindu, Evangelical, Catholic, and Neo-Pagan) and issues (such as civil rights, ?cults,? church/state, gender, race, and ethnicity).

LAF: DD XLIST: WGS

01 M, W 08:00AM-09:20AM LIB-112 Bailey, Julius

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**REL-160-01 Redrawing Map: World Religions 1.00-2.00 credits**

Topics of current interest in religious studies. Course content varies from term to term. May be repeated for degree credit given a different topic.

XLIST: SPA, HIST  
 01 TBA TBA-TBA TBA Larsen, Lillian

**REL-252-01 Africn-Amer Rel & Spirit 4.00 credits**

Intermediate-level lecture and discussion course, which is an examination of religious themes in African-American experience, including slavery, Black Church denominations (mainstream and Holiness), Black Nationhood and civil rights movements, Black Muslims, Black and Womanist (Black feminist) theologies, African religions in the Americas (Santeria and Voudoun), and new spiritual visions.

LAF: DD, HP XLIST: REST  
 01 T, TH 08:00AM-09:20AM LIB-112 Bailey, Julius

**REL-199-01 New Religious Movements 4.00 credits**

Offers an introduction to the variety of new religious movements. Examines the multiple ways these communities have been understood and what those constructions tell us about religion and identity.

LAF: DD  
 01 T, TH 09:30AM-10:50AM LIB-112 Bailey, Julius

**REL-290-01 Meditation: Intermed Practicum 4.00 credits**

Explore the effects of meditation through daily practice of specific techniques from various religious, spiritual, and secular frameworks. The techniques selected will vary according to instructor. Mindfulness, meditation and contemplative practices have been shown to foster well-being. This course is an opportunity to research the effects for yourself.

01 T, TH 11:00AM-12:20PM UNH-MAIN Grace, Frances

**REL-210-01 Introduction to Meditation 2.00 credits**

This course, which is primarily experiential, introduces students to a range of meditation methods and contemplative practices.

01 TH 02:30PM-03:50PM LAR-210 Huntley, William

**REL-307-01 Old Test Lit:Hebrew Scriptrs 4.00 credits**

Close reading of selected books from Torah, prophets, and writings in English translation. The method is historical and literary with student compositions on a chapter in Genesis, a Biblical text about a woman, a psalm, and a book review of a modern feminist.

LAF: DD, HL  
 01 M, W 11:00AM-12:20PM LAR-222 Huntley, William

**REL-233-01 Buddhisms 4.00 credits**

Considers the variety of ways that Buddhists have engaged with the ?three jewels? of Buddhism: the Buddha, the Dharma (the teaching), and the Sangha (the Buddhist community). Examination of doctrine, practice, and culture in different parts of the Buddhist world in a variety of historical periods.

LAF: HP XLIST: AST  
 01 M, W 09:30AM-10:50AM LAR-231 Derris, Karen

**REL-323-01 Quest of Mystic: Inner Path 4.00 credits**

Examines the intense inner quest and culminating spiritual realizations by mystics and sages, found in every religion. The topic is explored through these lenses: 1) biographical study of representative mystics; 2) comparative analysis of the teachings about Self-Realization, Enlightenment, Divine Union, states of consciousness, and spiritual evolution; 3) first-person investigation of contemplative methods recommended by the mystics under study.

LAF: HP  
 01 T, TH 01:00PM-02:20PM LAR-210 Grace, Frances

**REL-241-01 Ancient/Biblical Hebrew 2.00 credits**

Elementary Hebrew grammar and composition with emphasis on Biblical vocabulary and syntax. In this course, we will read, in Hebrew, the entire book of Ruth. This course will meet once a week for two consecutive semesters.

01 F 11:00AM-12:20PM LAR-222 Huntley, William

**REL-450-01 Jameson Center Colloquia 2.00 credits**

A student enrolled in this course will participate in all the Monday afternoon colloquia of the Jameson Center for the Study of Religion and Ethics. A faculty associate of the Jameson Center will supervise participation, including negotiation of a contract for the student's responses to the colloquia. May be repeated for degree credit for a maximum of 8 credits.

Open for contract/evaluation.  
 01 W 04:00PM-05:20PM LAR-230 Walsh, John

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**REL-490-01 Senior Seminar 2.00 credits**

PREREQUISITE: RELIGIOUS STUDIES MAJOR OR MINOR OR BY PERMISSION.

The Senior Seminar is designed to allow students to synthesize their training in Religious Studies and to complete their capstone project.

01 TBA TBA-TBA TBA Derris, Karen

**REST-315-01 Race and Education 4.00 credits**

Explores issues of race and racism in the public schools and examines strategies used to address educational inequalities.

LAF: DD XLIST: SOAN

01 T, TH 01:00PM-02:20PM LAR-230 Osajima, Keith

**REST-120-01 Intro to Race & Ethnic Study 4.00 credits**

Examination of the historical and contemporary experiences of racial and ethnic groups in the United States. Topics include dimensions of racism and discrimination in American society, the interrelated experiences of racial groups, community-building and cultural development, and movements for social change.

LAF: DD XLIST: SOAN

01 M, W 01:00PM-02:20PM DUK-301 Osajima, Keith (WA)

**REST-335-01 Race, Gender & Public Policy 4.00 credits**

This class explores the connection between race, gender and public policy making in America past and present. We will focus on specific case studies of welfare system, foster care, housing and criminal justice systems, exploring how race and gender inequalities were built into American public institutions and policies.

LAF: DD, SE XLIST: PLCY, WGS

01 T, TH 02:30PM-03:50PM LAR-227 Tilton, Jennifer

**REST-130-01 Intro to Native Am St 4.00 credits**

This course provides an understanding of the history, culture, and current concerns of Native Americans. Traditional aspects of Native American cultures such as art and religions are explored as well as topics affecting Native Americans today. The course also examines the influence of Native Americans on current American society.

LAF: CC, DD XLIST: SOAN

01 T, TH 11:00AM-12:20PM LAR-127 Gross, Lawrence

**REST-346-01 Native Am Relig/Views 4.00 credits**

This course examines the varieties of American Indian religions in their traditional setting and modern manifestations. For traditional Indian religions, the relationship between philosophy, land, and culture is explored. For modern-day practices, Indian Christian thought, the Native American Church, and issues related to cultural survival are examined.

LAF: CC, DD XLIST: REL

01 M, W 09:30AM-10:50AM LAR-123 Gross, Lawrence

**REST-230-01 Race and the Law 4.00 credits**

Provides a survey of the role of race and ethnicity in the American legal system.

LAF: DD XLIST: SOAN Open for contract/evaluation.

01 M, W 11:00AM-12:20PM LAR-230 Diaz, Daniel

**REST-401-01 Senior Capstone I 2.00 credits**

PREREQUISITE: REST-120 OR BY PERMISSION.

The first of a two-semester capstone experience for REST majors.

Designed to help students build upon, integrate, and extend previous REST work through the design and development of a proposal for a capstone project.

01 M, W 02:30PM-03:50PM LIB-112 Osajima, Keith

**REST-260-01 REACH 2.00 credits**

Topics of current interest in race and ethnic studies. May be repeated for degree credit given different topics.

XLIST: SOAN

01 F 09:00AM-11:50AM LAR-231 Tilton, Jennifer

**SOAN-100-02 Intro to Sociology 4.00 credits**

Study of the structure and process of social life; the impact of cultural, structural, and socio-historical forces on groups and society; and the interdependence of society and the individual.

LAF: HB

02 T, TH 09:30AM-10:50AM LAR-127 Rocque, William

03 M, W 01:00PM-02:20PM LAR-227 Moff, Amy

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**SOAN-102-02 Intro to Cultural Anthropology 4.00 credits**

Introduction to the anthropological perspective in viewing personal, social, and cultural events in human life. Attention given to evolutionary and comparative ways of describing, analyzing, and interpreting ways of life from a cross-cultural perspective.

LAF: CC, HB

02 T, TH 11:00AM-12:20PM LAR-230 Lang, Sharon

03 T, TH 09:30AM-10:50AM LAR-224 Greer, Nan

**SOAN-265-01 Archaeology and Alcohol 4.00 credits**

Topics of current interest such as gender and feminist studies, archaeological frauds, medical anthropology, death and dying, and regional and social issues pertaining to the U.S., Asia, and the Middle East.

01 M, W 11:00AM-12:20PM LAR-231 TBA

**SOAN-104-01 Intro to Archaeology 4.00 credits**

An overview of human cultural evolution, from the earliest human ancestors through the diverse forms of social organization of recent human groups. Exploration of the causes of cultural change and lessons to be learned from the past about the nature of the human species and human society.

LAF: CC, HB

01 M, W 09:30AM-10:50AM LAR-224 TBA

**SOAN-303-01 World Ethnographies 4.00 credits**

PREREQUISITE: SOAN-100, SOAN-102 OR SOAN-104, AND TWO SOAN COURSES AT THE 200-LEVEL OR ABOVE OR BY PERMISSION.

Students gain a thorough understanding of the central methodological paradigms of anthropologists: participant observation. Students have the chance to deconstruct a number of full-length ethnographies with an eye toward comparing and contrasting the research methods and writing styles of various contemporary anthropologists.

01 T, TH 09:30AM-10:50AM LAR-230 Coles, Kimberley

**SOAN-205-01 Social Issues 4.00 credits**

Examination of important contemporary social issues in the United States. Focus on the interrelationship of social structures, institutions, and individuals in the production and management of these issues, as well as their individual and social consequences.

XLIST: WGS

01 T, TH 09:30AM-10:50AM DUK-101 Wasielewski, Patricia

**SOAN-314-01 Dancing Around the World 4.00 credits**

In this course we will experience a variety of dance styles from different cultures and societies around the world. We will examine which, when, where, how and why people dance in society. Topics explored include gender, politics, religion, class, race and individual expression. Dance experience is not required. \$150 course fee.

LAF: CC, CP

01 T 01:00PM-03:50PM GYM-DAN Lang, Sharon

**SOAN-206-01 Popular Culture 4.00 credits**

Introduction to the analysis of popular culture; how the cultural products of post-industrial society shape and police the subjectivity of individuals; how people use, abuse, and subvert these cultural products to create their own meanings in efforts of self determination.

LAF: DD XLIST: VMS

01 T, TH 01:00PM-02:20PM LAR-228 Wasielewski, Patricia

**SOAN-338-01 Children & Youth 4.00 credits**

PREREQUISITE: SOAN-100, AND SOAN-102, AND ONE SOAN COURSE AT THE 200-LEVEL OR BY PERMISSION

Examines childhood and youth as phases of social life actively constructed by young people and adults in context of structural inequalities of age, race, class, gender, and sexuality. Studies scholarly, popular cultural, and literary representations of the lives and experiences of children and youth.

XLIST: WGS

01 T, TH 02:30PM-03:50PM LAR-230 Schoonmaker, Sara

**SOAN-222-01 Development/Change in Americas 4.00 credits**

PREREQUISITE: SOAN-100 OR SOAN-102 OR LAST-101

Explores the processes of development and social change in the Americas, in the historical context of capitalist transformation from colonialism to contemporary conditions of globalization. Strategizes ways to challenge existing patterns of global inequality by creating alternative forms of development and consciousness.

XLIST: EVST, LAST

01 T, TH 11:00AM-12:20PM LAR-228 Schoonmaker, Sara

**SOAN-345-01 Interrogating Masculinity 4.00 credits**

PREREQUISITE: SOAN-100 OR SOAN-102; AND ONE SOAN COURSE AT THE 200-LEVEL OR BY PERMISSION

Exploration of Western thought about masculinities. Examines the relationship between masculinities and femininities, power, class, race, disability, sexual orientation, and popular culture. Issues under consideration include the negotiation of gender and sexual identity, work/family conflicts, violence and dating.

XLIST: WGS

01 W 09:30AM-12:20PM LAR-227 Rocque, William

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**SOAN-360-01 Resource Wars: Int'l Conflict 4.00 credits**

Topics of current interest such as collective behavior, religion and social conflicts, sociology of medicine, sociology of disabilities, or sociology of sport.

XLIST: EVST, POLI

01 M, W 09:30AM-10:50AM DUK-300 Pope, Blaine

**SOAN-392-01 Anthropological Theories 4.00 credits**

PREREQUISITE: SOAN-100, SOAN-102 OR SOAN-104, AND TWO SOAN COURSES AT THE 200-LEVEL OR ABOVE OR BY PERMISSION.

An in-depth examination of selected classical and contemporary theories in anthropology with particular attention to the concept of culture.

01 T, TH 01:00PM-02:20PM LAR-231 Greer, Nan

**SOAN-430-01 Power, Marginality & Exclusion 4.00 credits**

PREREQUISITE: SOAN-100 OR SOAN-102, AND SOAN-205 OR SOAN-320, OR BY PERMISSION.

Study of the social process of identifying significant differences among individuals and attributing meaning to them. Particular focus on: consequences of marginalization and exclusion, how social perceptions of difference change over time, individual and group responses to being labeled deviant, social isolation and potential creativity of being positioned on the social margin, and how power is distributed and exercised in these processes.

01 T, TH 11:00AM-12:20PM LAR-224 Rocque, William

**SPA-100-01 Foundations Spatial Thinking 4.00 credits**

Everything is related to everything else, but near things are more related than far things. How does this 'First Law of Geography' affect you? In this class we will study our world- from the global to the local- in spatial or geographic terms. We will become better spatial thinkers as we learn to recognize patterns and the processes that generate them.

LAF: M3

01 T, TH 01:00PM-02:20PM LEW-102 Larsen, Lillian

02 T, TH 02:30PM-03:50PM LEW-102 Moore, Steven

**SPA-110-01 Intro Spatial Analysis & GIS 4.00 credits**

Introduction to concepts of spatial analysis and to geographic information systems (GIS). Emphasis on spatial reasoning and analysis. Topics include spatial data models, data requirements and acquisition, spatial analysis using GIS, implementation within an organization, and especially the application of GIS to problem-solving in other disciplines. Two lectures, two laboratories. Not open to students who have received credit for EVST-110.

XLIST: EVST

01 T, TH 09:30AM-12:20PM LEW-102 Smith, David

02 T, TH 01:00PM-03:50PM LIB-139 Strout, Nathan

03 T, TH 06:00PM-08:50PM LEW-102 Moore, Jeremiah

**SPA-260-01 Community Mapping 2.00 credits**

01 F 01:00PM-03:00PM LEW-134 Strout, Nathan

**SPAN-101-01 First Year Spanish 4.00 credits**

PREREQUISITE: PLACEMENT EXAM ONLY IF STUDENT HAS PREVIOUS EXPERIENCE IN LANGUAGE.

Pronunciation, conversation, essentials of grammar and composition, reading of elementary texts. Practice and drills on four basic skills: reading, writing, speaking, and listening. Periodic lectures on Hispanic culture. Four hours lecture.

LAF: FL

01 M, W, F 08:00AM-09:20AM HOL-319 Montoya, Maria

02 M, W, F 11:30AM-12:50PM HOL-105 Domenech, Esther

03 M, W, F 09:30AM-10:50AM HOL-315 Cordova, Iris

04 M, W, F 09:30AM-10:50AM HOL-205 Garcia, Dulce

05 M, W, F 09:30AM-10:50AM HKE-104 Mayea, Liesder

06 M, W, F 11:30AM-12:50PM HKE-201 Montoya, Maria

07 M, W, F 11:30AM-12:50PM HKE-202 Ocegueda, Hector

08 M, W, F 11:30AM-12:50PM HKE-204 Cordova, Iris

09 M, W, F 01:00PM-02:20PM HKE-204 Cordova, Iris

10 M, W, F 01:00PM-02:20PM HOL-209 Garcia, Dulce

11 M, W, F 01:00PM-02:20PM HOL-205 Domenech, Esther

**SPAN-201-02 Second Year Spanish 4.00 credits**

PREREQUISITE: COMPLETION OF SPAN-102, PLACEMENT EXAM, OR BY PERMISSION.

Review of grammar and composition. Conversation. Reading of selected materials to give an introduction to Spanish literature and culture. Emphasis on communicative aspects of the language. Four hours lecture. Very little English spoken.

LAF: FL

02 M, W, F 09:30AM-10:50AM HKE-202 Ocegueda, Hector

03 M, W, F 09:30AM-10:50AM HKE-102 Corona, Alberto

04 M, W, F 08:00AM-09:20AM HOL-105 Domenech, Esther

05 M, W, F 01:00PM-02:20PM HKE-202 Ocegueda, Hector

06 M, W, F 11:30AM-12:50PM HKE-102 Corona, Alberto

07 M, W, F 01:00PM-02:20PM HKE-201 Montoya, Maria

08 M, W, F 01:00PM-02:20PM DUK-300 Corona, Alberto

**SPAN-301-01 Third Year Spanish 4.00 credits**

PREREQUISITE: COMPLETION OF SPAN-202, PLACEMENT EXAM, OR BY PERMISSION.

Complete grammar review preparing students for advanced courses. Includes intensive training in composition and conversation. Four hours lecture. Taught completely in Spanish.

LAF: FL

01 M, W, F 01:00PM-02:20PM HKE-107 Guzman, Elizabeth

02 M, W, F 09:30AM-10:50AM HOL-101 Guzman, Elizabeth

03 M, W, F 11:30AM-12:50PM HOL-205 Garcia, Dulce

**SPAN-410-01 Intro to Spanish Linguistics 4.00 credits**

PREREQUISITE: SPAN-302, PLACEMENT EXAM, OR BY PERMISSION.

Synchronic investigation of the principles of articulatory phonetics, morphology, syntax, and semantics of Spanish. Includes a review of grammar and a discussion of how linguistic forms of Spanish and English compare and contrast. Taught in Spanish.

01 M, W 09:30AM-10:50AM HOL-317 Domenech, Esther

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**SPAN-412-01 Adv Grammar and Writing 4.00 credits**

PREREQUISITE: SPAN-302, PLACEMENT EXAM, OR BY PERMISSION.  
 This course is designed to explore the structure of the Spanish language. It is designed to strengthen grammatical and writing competence. The course will provide practice in advanced stylistic devices as well as compositional strategies.

01 M, W 11:30AM-12:50PM HOL-319 Guzman, Elizabeth

**SPAN-454-01 Spanish Golden Age Lit 4.00 credits**

PREREQUISITE: SPAN 400 PLACEMENT OR SPAN 302  
 Focus on the Golden Age masterpieces while providing a fundamental insight to the most valuable works according to the genre and topics. Students will read, discuss, and analyze the works using the most recent critics.

LAF: HL  
 01 M, W 02:30PM-03:50PM HOL-115 Mayea, Liesder

**SPAN-424-01 Intro to Hispanic Literature 4.00 credits**

PREREQUISITE: COMPLETION OF SPAN-302, PLACEMENT EXAM, OR BY PERMISSION.

Reading and introduction to Hispanic literary texts to develop skills in literary analysis and critical writing using examples from Hispanic literature in the three genres. Students will read such authors as Marquez, Cortazar, Poniatowska, Garro and Fuentes. This course is intended to introduce students to in-depth understanding of literature and writing.

LAF: HL XLIST: LAST  
 01 T, TH 11:00AM-12:20PM HOL-111 Vailakis, Ivonne

**SPAN-456-01 Contemp Spanish Novel 4.00 credits**

PREREQUISITE: COMPLETION OF SPAN-302, PLACEMENT EXAM OR BY PERMISSION.

Major contemporary novelists. The main aspects of the Spanish Civil War and its influence in contemporary Spain are addressed in these novels.

LAF: HL  
 01 M, W, F 09:30AM-10:50AM HOL-111 Gonzalez, Olga

**SPAN-425-01 Span-Amer Civ & Cltr 4.00 credits**

PREREQUISITE: SPAN 400 PLACEMENT OR SPAN 302  
 Geography, history, art, literature and society of Spanish-American lands. Class discussion and oral and written reports required. Offered in alternate years.

LAF: CC  
 01 M, W 11:30AM-12:50PM HOL-115 Mayea, Liesder

**SPAN-458-01 Senior Seminar: Reading 4.00 credits**

PREREQUISITE: SPANISH MAJORS ONLY, SENIOR STANDING OR BY PERMISSION.  
 Offers the student the opportunity to read extensively and closely texts from particular author(s), genre(s), work(s), or theme(s) in Latin American Literature or Peninsular Literature. By completing the required reading, students prepare themselves for work that will be required the following semester.

01 M, W 01:00PM-02:20PM HOL-111 Gonzalez, Olga

**SPAN-436-01 Survey of Spanish Literature 4.00 credits**

PREREQUISITE: SPAN 400 PLACEMENT OR SPAN 302  
 Spanish literature from its beginnings to the present day. Emphasis on relating literary works to historical events and cultural values.

LAF: HL  
 01 M, W 11:30AM-12:50PM HOL-111 Gonzalez, Olga

**SPCH-111-01 Contemp Oral Argumentation 4.00 credits**

Introduction to the study of argumentation, controversy, and debate through theory and practice. Focuses on theories of argumentation and debate and providing students with multiple opportunities to refine their argumentative voices. Students will be expected to participate on a regular basis, be creative, and think and speak on their feet.

LAF: CP  
 01 T, TH 02:30PM-04:00PM GAN-CLASRM1 AND GAN-CLASRM2  
 Southworth, William

**SPAN-450-01 Hispanic Poetry: Genres 4.00 credits**

PREREQUISITE: COMPLETION OF SPAN-302, PLACEMENT EXAM, OR BY PERMISSION.

Examination of poetry through its varied expressions in Hispanic literature. Successive offerings focus on the historical development of the poetry of Latin America or Spain. Exploration of selected topics in literary themes in the genres. May be repeated for degree credit given different topics.

LAF: HL  
 01 T, TH 01:00PM-02:20PM HOL-111 Vailakis, Ivonne

**SPCH-115-01 Business Speech 4.00 credits**

Theory relevant to a variety of business speech situations, including speeches to inform, entertain, and persuade. Instruction in the following business speech situations; interviews, sales, technical reports, and conference speaking.

LAF: CP  
 01 T, TH 01:00PM-02:20PM GAN-CLASRM1 AND GAN-CLASRM2  
 Southworth, William



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**SPRO-101-01 Crossing Cultures 1:PRE-DEPART 2.00 credits**

PREREQUISITE: ENROLLED IN, OR PLAN TO ENROLL IN, STUDY ABROAD COURSE FOR THE FOLLOWING SEMESTER.

This course is designed to build intercultural skills and awareness in preparation for study abroad. Readings, assignments, and activities focus on the student's specific destination culture as well as general strategies for a successful and meaningful cross-cultural experience.

01 M 02:30PM-03:50PM LAR-123 Goldstein, Susan

**SPRO-102-01 Crossing Cultures 2: Re-Entry 2.00 credits**

PREREQUISITE: RECENTLY COMPLETED A STUDY ABROAD EXPERIENCE

This course is designed for students who have recently returned from study abroad. In addition to strategies for enhancing intercultural perspectives and coping with re-entry shock, students will learn how to translate study abroad experiences into a professional skill set and communicate these skills to potential employers.

01 W 02:30PM-03:50PM LAR-123 Goldstein, Susan

**SSRV-140-01 Campus Activism 1.00 credits**

This class focuses on the practical aspects of 'doing activism' on a university campus. In order to carry out this work, a thorough knowledge of activist movements, successes and failures is necessary. Each class will combine discussion of readings and projects that students are working on currently or planning to undertake in the near future.

Open for contract/evaluation.

01 TBA TBA-TBA TBA MadhavaRau, Leela

**SSRV-154-01 College Success Strategies 2.00 credits**

Provides an opportunity for students to adopt habits that promote academic success. Key elements include setting goals, enhancing study skills (time management, note-taking, memorization, etc.), and developing life skills. Students are expected to make an active commitment to self-assessment, experimentation with new techniques, and taking concrete action steps towards achievement.

01 F 10:00AM-11:50AM LIB-112 Wilhelm, Sabrina

**SSRV-156-01 STEP Peer Mentoring 0.00-2.00 credits**

Students Together Empowering Peers will provide technical skills, introductions to campus resources, clubs, and experts that can help facilitate academic success and nurture a network of support to ease the transition to college. Through mentoring, STEP offers a comprehensive program that will enhance students' overall educational experience at the University.

01 M 06:30PM-08:00PM GRG-272 Moreno, Priscilla  
 02 T 06:30PM-08:00PM GRG-272 Moreno, Priscilla

**SSRV-256-01 STEP Peer Mentoring 0.00-2.00 credits**

PREREQUISITE: SSRV-156

This class allows mentees to move into the role of mentors within the Students Together Empowering Peers (STEP) Program. Students will design and present educational programs, develop mentoring skills to effectively engage their mentees in weekly meetings and ensure in skills to ensure a readiness to live successfully beyond graduation.

01 M 06:00PM-08:00PM GRG-272 Moreno, Priscilla  
 02 T 06:00PM-08:00PM GRG-272 Moreno, Priscilla

**THA-X05-01A Production Credit 1.00-4.00 credits**

01A Production Credit: Acting TBA TBA-TBA TBA TBA  
 02 Production Credit: Prod Staff TBA TBA-TBA TBA Norton, Trevor  
 03A Production Credit: Costumes TBA TBA-TBA TBA TBA  
 04A Production Credit: Scenic TBA TBA-TBA TBA Andonyadis, Nephelie  
 04B Production Credit: Scenic/ LX TBA TBA-TBA TBA TBA  
 05B Production Credit: Lighting TBA TBA-TBA TBA Norton, Trevor  
 08 Production Credit: Acting Lab TBA TBA-TBA TBA Beach, Christopher

**THA-125-01 Stage Design Fundamentals 4.00 credits**

Overview of the function and responsibilities of scenic, lighting, and costume designers. Primary information about the tools and basic techniques that are used to bring the designer's concept to the stage are explored, as well as methods of creative problem solving and conceptual thinking specific to the theatrical design practice.

LAF: CP

01 M, W 09:30AM-10:50AM TAB-209 Andonyadis, Nephelie

**THA-130-01 Intro to Theatre Technology 4.00 credits**

Students learn techniques of stagecraft, production management, and production support. Elements of technical design and production involving scenic, lighting, and costume techniques are explored as tools for interpreting and supporting production designs. Includes lab component.

LAF: CP

01 T, TH 09:30AM-10:50AM TAB-203 Sorvig, Keldon

**THA-140-01 Acting Fundamentals 4.00 credits**

Intensive training of the student's unique expressive abilities. Focus on training the actor's instrument: the body, voice, and creative imagination. Through structured ensemble and solo work, students develop the basic tools of performance: concentration, relaxation, intention, physicalization, and moment-to-moment play. May be repeated for degree credit for a maximum of 8 credits.

LAF: CP

01 M, W 01:00PM-02:20PM TAB-210 Beach, Christopher  
 02 T, TH 01:00PM-02:20PM TBA Beach, Christopher

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**THA-200-01 Voice & Mvmt for Performers 4.00 credits**

Workshop format designed to liberate, expand, and integrate the student's vocal and physical expressive capacities. Through structured vocal and physical exercises, students deepen their technical and intuitive understanding of the voice, body, and mind relationship. May be repeated for degree credit with permission from the department chair.  
 LAF: CP  
 01 T, TH 02:30PM-03:50PM TAB-210 Achorn, John

**THA-227-01 Lighting Design Techniques 4.00 credits**

Studio class focused on tools and strategies used to design lighting for the entertainment industry. Design techniques presented include approaches to text analysis, design research methods, use of technical tools required to accomplish a lighting design, and visual communication skills of sketching light, drafting and using a light lab. Emphasis on collaborative aspects of design.  
 LAF: CP  
 01 T, TH 09:30AM-12:20PM TAB-209 Norton, Trevor

**THA-252-01 Changing Stages: THA Hist II 4.00 credits**

Explores theatre as performance and cultural history as well as literary text. Geographic and temporal focus varies across world theatres from the late 1800s through the 21st century. Potential areas of study: Melodrama, Realism, Dada/Surrealism, Postcolonial Africa, People's Theatre, avant-garde and alternative companies, multicultural, women's, gay/lesbian and disability theatre.  
 LAF: HH  
 01 W, F 11:00AM-12:20PM TAB-203 Lewis, Victoria

**THA-310-01 Directing for the Stage 4.00 credits**

PREREQUISITE: BY PERMISSION ONLY.  
 A combination lecture/discussion/workshop focused on the fundamentals of stage direction. Scenes are presented in class and evaluated on student director's written analysis and execution of the scene's dramatic action, character attitudes, idea/intention, ground plan, environmental factors, dialogue, mood, tempo, and style.  
 01 M, W 02:30PM-03:50PM TAB-210 Beach, Christopher

**WGS-145-01 Gender, Sexuality, & Power 4.00 credits**

This course introduces students to the discipline of Women's and Gender Studies by providing an overview of prominent societal issues faced by women and others in marginalized identity groups. We will be primarily concerned with the complex interactions between gender and other social divisions such as race, class, ability, and sexual orientation.  
 01 T 06:00PM-08:50PM LAR-230 TBA

**WGS-180-01 Exploratory Internship 2.00 credits**

01 Intrnshp: San Brn. Sex Assault TBA TBA-TBA TBA Nelson, Jennifer  
 02 Intrnshp: Battered Wmn's Shltr TBA TBA-TBA TBA Nelson, Jennifer  
 03 Intrnshp: Women's Center TBA TBA-TBA TBA MadhavaRau, Leela  
 04 Intrnshp: Pride Center TBA TBA-TBA TBA MadhavaRau, Leela  
 05 Intrnshp: Planned Parenthood TBA TBA-TBA TBA Nelson, Jennifer

**WGS-234-01 History Women U.S. 19th Century 4.00 credits**

Explores important historical factors that shaped gender roles and women's particular experiences in America during the nineteenth century. By placing women at the center of historical interpretation, this course examines how class, ethnicity and race influenced American women's economic, social and cultural contributions in the making of 19th century America.  
 LAF: DD, HH XLIST: REST Open for contract/evaluation.  
 01 T, TH 01:00PM-02:20PM LAR-123 Welch, Kimberly

**WGS-256-01 Women & Witchcraft in America 4.00 credits**

Examines the significance of gender, class, sexuality, and ethnicity in the history of witchcraft in America, from the colonial period to the present. Studies how the constructions of gender and sexuality shape the history of witchcraft in America.  
 LAF: DD, HH XLIST: REST Open for contract/evaluation.  
 01 T, TH 09:30AM-10:50AM LAR-123 Welch, Kimberly

**WGS-340-01A Film Feminisms 4.00 credits**

An introduction to theoretical frameworks developed around women, gender, feminism and film studies, we will be watching both canonical and non-canonical films and using these films to discuss pressing issues in feminist and gender theory. You will also interrogate the role of the spectator in the production of meaning in film.  
 LAF: DD, HL XLIST: MVC, VMS  
 01A M, W 01:00PM-02:20PM LAR-230 AND W 06:00PM-09:00PM LAR-230 Nelson, Jennifer

**WGS-459-01 Senior Seminar 4.00 credits**

PREREQUISITE: WGS-150, AND TWO 200-LEVEL WGS OR CROSS-LISTED COURSES, AND ONE 300-400 LEVEL WGS OR CROSS-LISTED COURSE, AND SENIOR STANDING OR BY PERMISSION.  
 Students synthesize and reflect on their interdisciplinary Women's and Gender Studies learning. All students design and develop a research paper or project. Those who are Women's and Gender Studies majors do so in consultation also with their Women's and Gender Studies advisor and plan for a Directed Study to complete their paper or project in spring.  
 Open for contract/evaluation.  
 01 T 06:00PM-09:00PM LAR-222 Nelson, Jennifer