AHS 1101 Orientation to Health Careers
OPT No Aud, 1 credit(s); Credit will not be granted if credit has been received for: AHS 1102;
Instructor: Simpson, Scott W
Description: This one credit course is designed for students interested in exploring the many career paths available in healthcare. Students will have the opportunity to reflect on their own values, skills and interests. You will also hear first-hand from an extensive line-up of guest speakers and learn more about the academic and experiential requirements for health professional schools at the University. Activities will include interest inventories, discussion, journaling, developing an action plan, and other reflective assignments. This course will help you decide if a career in the health professions is a good fit for you.

AHS 1102 Orientation to Health Careers
OPT No Aud, 1 credit(s); Credit will not be granted if credit has been received for: AHS 1101;
Instructor: Simpson, Scott W
Description: This Web-based, one credit course is for undergraduate students who are exploring health majors and professions. Students will have the opportunity to reflect on their own values, skills and interests. You will learn more about the academic and experiential requirements for health professional schools at the University. Activities will include interest inventories, discussion, journaling, developing an action plan, and other reflective assignments. This course will help you decide if a career in the health professions is a good fit for you.
Style: 100% Web Based.
Grading: 33% quizzes, 33% reflection paper, 33% other evaluation.

AHS 1601 The Future Physician II
1 credit(s);
Instructor: Todd, Tricia
Description: View our Youtube commercial for this course - http://youtu.be/_BoNu2AO-Fw. Explore the field of medicine by hearing from and interacting with guest physician speakers from the U of M Medical School and the community. Think critically about the challenges and opportunities of a career in medicine through reflective exercises. Learn about the knowledge and skills needed to be an effective physician, along with the challenges and rewards gained when caring for patients and explore your own fit with a career in medicine.
Style: 20% Discussion, 80% Guest Speakers.
Grading: 15% attendance, 85% reflection paper.

AHS 1602 The Future Physician III: Experiences in Health
2 credit(s);
Instructor: Todd, Tricia
Description: View our Youtube commercial for this course - http://youtu.be/_BoNu2AO-Fw. Registration for this course requires instructor approval and a permission number. Requests to Tricia Todd, MPH, course instructor, at todd0002@umn.edu. An essential component of your application to medical school is experience in a health care setting. This course requires you to complete 35 hours of volunteer experience in a setting that employs physicians and serves patients. In addition, you will complete a medical school application plan and gain additional insight into your own fit with the field of medicine. Offered: Fall, spring, summer semesters; Offered online Prerequisites: AHS 1601 and instructor approval To Register/Permission Numbers:

AHS 2400 Writing a Personal Statement
S-N only, 1 credit(s);
Instructor: Todd, Tricia
Description: Student may contact the instructor or department for information.

AHS 2400 Writing a Personal Statement
S-N only, 1 credit(s);
Instructor: Rosand, Jennifer A
Description: Class meets in 2-565 Moos Tower. Contact the Health Careers Center for access to a short online survey before receiving permission number to register - at 612-624-6767. Develop a competitive personal statement. Designed for students applying to a health program in the coming year. As students engage in self-assessment, writing assignments, online discussions and peer reviews they will develop the skills to write a meaningful personal statement.

AHS 4300 Directed Study
1-3 credit(s), max credits 6;
Instructor: Todd, Tricia
Description: Student may contact the instructor or department for information.

Accounting 3-122 Carlson School of Management

Acct 2050 Introduction to Financial Reporting
A-F only, 4 credit(s); SophCredit will not be granted if credit has been received for: APEC 1251;
Instructor: Biondich, Nick E
Description: This is a fully online section offered through Online and Distance Learning (ODL), College of Continuing Education. You work independently, not as part of a student group. Visit "Class URL" for ODL policies, including fee and financial aid restrictions. In this course, you will learn: --the nature of financial transactions; --the Generally Accepted Accounting Principles (GAAP) that businesses and nonprofit organizations in the U.S. must follow in reporting these transactions; --the vocabulary of financial accounting, sometimes described as the language of business; and --the representations made by financial statements. As you learn the fundamentals of accounting, you will gradually discern many areas that will affect you throughout your life. Whenever your corporate employer describes its financial goals, whenever you observe the stock market reacting to a corporation's earnings, whenever you learn about how a financially troubled company is taking steps to increase its profitability, accounting information is involved. This course will help you increase your understanding of events that take place daily in the financial community.
Style: Online
Grading: See attached syllabus
Exam Format: Supervised, in-person (not online) exams

Acct 2050 Introduction to Financial Reporting
A-F only, 4 credit(s); SophCredit will not be granted if credit has been received for: APEC 1251;
Instructor: White, Paul Andrew
Description: Student may contact the instructor or department for information.

Acct 2050 Introduction to Financial Reporting
A-F only, 4 credit(s); SophCredit will not be granted if credit has been received for: APEC 1251;
Instructor: Henderson, Rachel Autumn
Description: Student may contact the instructor or department for information.

Acct 2050 Introduction to Financial Reporting
A-F only, 4 credit(s); SophCredit will not be granted if credit has been received for: APEC 1251;
Instructor: Gao, Yu
Description: Student may contact the instructor or department for information.

Acct 2050 Introduction to Financial Reporting
A-F only, 4 credit(s); SophCredit will not be granted if credit has been received for: APEC 1251;
Instructor: Batina, Tom
Description: Student may contact the instructor or department for information.

Acct 2050 Introduction to Financial Reporting
A-F only, 4 credit(s); SophCredit will not be granted if credit has been received for: APEC 1251;
Instructor: Dordzhieva, Aysa
Description: Student may contact the instructor or department for information.

Acct 3001 Introduction to Management Accounting
A-F only, 3 credit(s);
Instructor: White, Paul Andrew
Description: This course introduces the topic of management accounting. The purpose of management accounting is to provide information to management for costing products, as well as for planning, controlling, and evaluating
The purpose of this class is to introduce managerial accounting, which directly relates to managerial decision-making. The course will introduce the design and use of costing systems with specific emphasis on activity based costing systems. The role of managerial accounting in operational and strategic decisions of business firms will also be emphasized.

**Style:** 40% Lecture, 30% Small Group Activities, 30% Demonstration.

**Grading:** 30% mid exam, 32% final exam, 25% quizzes, 13% class participation.

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**Acct 3001 Introduction to Management Accounting**
- A-F only, 3 credit(s);
- **Instructor:** Forester, Clayton L
- **Description:** Student may contact the instructor or department for information.

**Acct 3001 Introduction to Management Accounting**
- A-F only, 3 credit(s);
- **Instructor:** Batina, Tom
- **Description:** Student may contact the instructor or department for information.

**Acct 3150 Role of the Accountant in Today's Finance Function**
- S-N only, 1 credit(s);
- **Instructor:** Batina, Tom
- **Description:** Student may contact the instructor or department for information.

**Acct 3199 Internship in Public Accounting**
- S-N only, 2 credit(s);
- **Instructor:** Biondich, Nick E
- **Description:** Student may contact the instructor or department for information.

**Acct 3201 Intermediate Management Accounting**
- A-F only, 2 credit(s);
- **Instructor:** White, Paul Andrew
- **Description:** This course continues the topic of management accounting in greater depth. The purpose of management accounting is to provide information to management for costing products, as well as for planning, controlling, and evaluating business activities. The purpose of this class is to expand and build on the topics introduced in ACCT3001. The course will hone and refine the tools and techniques learned in introductory management accounting classes as well as improve your decision-making skills. We will also explore several topics not covered in the introductory class as well as consider how management accounting supports overall business strategy.
  - **Style:** 10% Lecture, 45% Discussion, 45% Student Presentation.
  - **Grading:** 33% final exam, 27% written homework, 20% in-class presentation, 20% class participation.

**Acct 3299 Internship in Management Accounting**
- S-N only, 2 credit(s);
- **Instructor:** Biondich, Nick E
- **Description:** Student may contact the instructor or department for information.

**Acct 5101 Intermediate Accounting I**
- A-F only, 4 credit(s);
- **Instructor:** Biondich, Nick E
- **Description:** Student may contact the instructor or department for information.

**Acct 5101 Intermediate Accounting I**
- A-F only, 4 credit(s);
- **Instructor:** Madsen, Joshua M
- **Description:** Student may contact the instructor or department for information.

**Acct 5102W Intermediate Accounting II**
- A-F only, 4 credit(s); Meets CLE req of Writing Intensive
- **Instructor:** Tranter, Terry L
- **Description:** Students in class are juniors, seniors, and master's students. While most students are accounting majors, the course is also valuable for students in finance. The class covers the valuation of liabilities and owners' equity accounts, as well as cashflow statements and earnings per share calculations. Students need a thorough
background in financial accounting and present value calculations to do well in Acct 5102.

**Style:** 100% Lecture.

**Grading:** 47% mid exam, 25% final exam, 19% reports/papers, 9% other evaluation.

**Exam Format:** Open-ended questions 85+%; essays 10-15%; 4-6 questions per exam; exams are long and run the full class period

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**Acct 5102W Intermediate Accounting II**

A-F only, 4 credit(s); Meets CLE req of Writing Intensive

**Instructor:** Biondich, Nick E

**Description:** Student may contact the instructor or department for information.

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**Acct 5125 Auditing Principles and Procedures**

A-F only, 4 credit(s);

**Instructor:** Beil, Frank J

**Description:** Student may contact the instructor or department for information.

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**Acct 5126 Internal Auditing**

A-F only, 2 credit(s);

**Instructor:** Batina, Tom

**Description:** Student may contact the instructor or department for information.

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**Acct 5135 Fundamentals of Federal Income Tax**

A-F only, 4 credit(s);

**Instructor:** Gutterman, Paul Gerard

**Description:** The course objectives are as follows: 1) to provide a historical perspective with respect to the system of income taxation in general and with respect to various specific provisions within the system; 2) to examine the interrelationships between legislative authority (the Internal Revenue Code), judicial and administrative authority; 3) to analyze the structure of the Internal Revenue Code and its provisions with respect to specific areas of the law, primarily with regard to the taxation of individuals; 4) to introduce the reading of case law and other tax authority; and 5) to provide a basic knowledge of tax research tools and techniques. The student will not be a tax expert on completion of the course, but will be familiar with fundamental income tax rules, primarily with respect to individuals, and how the federal tax system works. Although this course is a requirement for undergraduate accounting majors, only a minimal accounting understanding is required as a prerequisite and non-accounting majors are welcome.

**Style:** 60% Lecture, 15% Discussion. Problems

**Grading:** 53% mid exam, 30% final exam, 17% special projects.

**Exam Format:** multiple choice, short essay

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**Acct 5135 Fundamentals of Federal Income Tax**

A-F only, 4 credit(s);

**Instructor:** Naples, Tammy

**Description:** Student may contact the instructor or department for information.

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**Acct 5160 Financial Statement Analysis**

A-F only, 2 credit(s);

**Instructor:** Beil, Frank J

**Description:** Student may contact the instructor or department for information.

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**Acct 5180 Consolidations and Advanced Reporting**

A-F only, 2 credit(s);

**Instructor:** Biondich, Nick E

**Description:** Student may contact the instructor or department for information.

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**Acct 5236 Introduction to Taxation of Business**

A-F only, 2 credit(s);

**Instructor:** Conlon, Roger John

**Description:** Student may contact the instructor or department for information.

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**Acct 5310 International Accounting**

A-F only, 2 credit(s);

**Instructor:** Rayburn, Judy Ann

**Description:** Student may contact the instructor or department for information.
Acct 5420 MAcc directed study
1-4 credit(s), max credits 4, 1 completion allowed;
Instructor: Kallio, Larry Rodger
Description: Student may contact the instructor or department for information.

Acct 8006 Advanced Audit
A-F only, 4 credit(s);
Instructor: Beil, Frank J
Description: Student may contact the instructor or department for information.

Acct 8801 Empirical Research-Valuation
4 credit(s);
Instructor: Shroff, Pervin Keki
Description: Student may contact the instructor or department for information.

Acct 8831 Theory of Contracts I: Moral Hazard and Adverse Selection
2 credit(s);
Instructor: Gigler, Frank
Description: Student may contact the instructor or department for information.

Addiction Studies Credit Certificate Prog/College of Continuing Edu

AddS 5011 Foundations in Addiction Studies
A-F only, 2 credit(s);
Instructor: Wawro, George
Description: This is a fully online section offered through Online and Distance Learning (ODL), College of Continuing Education. Visit "Class URL" for ODL policies, including fee and financial aid restrictions. Theoretical perspectives/concepts related to etiology of alcohol/drug dependency/abuse. Emphasizes bio-psycho-social models of addiction/disease: psychodynamics, social learning, contingency, family systems. Connection of theory to empirical research.
Style: Online
Grading: See attached syllabus

AddS 5011 Foundations in Addiction Studies
A-F only, 2 credit(s);
Instructor: Wamsley, Debra S
Description: This is a fully online section offered through Online and Distance Learning (ODL), College of Continuing Education. Visit "Class URL" for ODL policies, including fee and financial aid restrictions. Theoretical perspectives/concepts related to etiology of alcohol/drug dependency/abuse. Emphasizes bio-psycho-social models of addiction/disease: psychodynamics, social learning, contingency, family systems. Connection of theory to empirical research.
Style: Online
Grading: See attached syllabus

AddS 5011 Foundations in Addiction Studies
A-F only, 2 credit(s);
Instructor: Kibben, Roxanne
Description: This is a fully online section offered through Online and Distance Learning (ODL), College of Continuing Education. Visit "Class URL" for ODL policies, including fee and financial aid restrictions. Theoretical perspectives/concepts related to etiology of alcohol/drug dependency/abuse. Emphasizes bio-psycho-social models of addiction/disease: psychodynamics, social learning, contingency, family systems. Connection of theory to empirical research.
Style: Online
Grading: See attached syllabus

AddS 5021 Introduction to Evidence Based Practices and the Helping Relationship
A-F only, 3 credit(s);
Instructor: Boisen, Laura Sue
AddS 5021 Introduction to Evidence Based Practices and the Helping Relationship  
A-F only, 3 credit(s);  
Instructor: Wamsley, Debra S  

AddS 5031 Applied Psychopharmacology  
A-F only, 2 credit(s);  
Instructor: Frenz, David Arthur  
Description: Categories of psychoactive drugs. Medicines to treat mental disorders. Substances such as alcohol, nicotine, cocaine, and marijuana. What occurs physiologically when someone takes a psychoactive drug.

AddS 5041 Methods and Models I: Motivational Counseling  
A-F only, 2 credit(s);  
Instructor: Isenhart, Carl E  
Description: Concepts of Motivational Interviewing. Spirit of MI. Primary counseling skills. Working with resistance. Identifying/eliciting change talk. Transitioning into change, negotiating a treatment plan. Strengths/shortcoming of MI.

AddS 5041 Methods and Models I: Motivational Counseling  
A-F only, 2 credit(s);  
Instructor: Weigelt, Jennifer E  
Description: Student may contact the instructor or department for information.

AddS 5051 Methods and Models II: Cognitive Behavioral Therapy  
A-F only, 2 credit(s);  
Instructor: Kammer-Hodge, Heidi Elizabeth  
Description: Student may contact the instructor or department for information.

AddS 5061 Foundations of Group Work  
A-F only, 3 credit(s);  
Instructor: Rohovit, Julie L  
Description: Designing/facilitating therapy groups. Intra-/inter-personal dynamics, leadership skills, developmental aspects, ethical issues. Application to therapy of chemically addicted individuals. Lectures, discussion, experiential exercises, small groups, readings.

AddS 5071 Foundations of Co-occurring Disorders  
A-F only, 2 credit(s);  
Instructor: Becher-Ingwalson, Ann M  
Description: This is a fully online section offered through Online and Distance Learning (ODL), College of Continuing Education. Visit "Class URL" for ODL policies, including fee and financial aid restrictions. Understanding the mentally ill and chemically abusive or dependent client. Intervention, advocacy, education, and support for client and those that are part or his/her environment. Social, environmental, and multicultural factors that contribute resources for these clients.  
Style: Online  
Grading: See attached syllabus

AddS 5081 Multicultural Foundations of Behavioral Health  
A-F only, 3 credit(s);  
Instructor: Heu, Melanie  
Description: Student may contact the instructor or department for information.

AddS 5081 Multicultural Foundations of Behavioral Health  
A-F only, 3 credit(s);  
Instructor: Wamsley, Debra S  
Description: What is culture? How might culture, cultural practices, and history be significant in the use/abuse of substances? How is culture relevant to the attitudes/practices in the prevention/treatment of substance use/abuse? Multicultural counseling and cultural competence in addiction counseling. People as individuals. Clinician's own cultural worldview/ other cultural worldviews.

AddS 5091 Assessment and Treatment Planning I
A-F only, 3 credit(s);
Instructor: Wawro, George
Description: Core addictions counseling functions including clinical assessment, case management, documentation treatment planning, and ethical issues. Students begin process of securing internship.

AddS 5996 Internship in Substance Abuse Counseling
S-N only, 1-8 credit(s), max credits 8, 4 completions allowed;
Instructor: Rohovit, Julie L
Description: Supervised field work experience. Practical application of substance abuse counseling. Assessment, treatment planning, case management.

AddS 5996 Internship in Substance Abuse Counseling
S-N only, 1-8 credit(s), max credits 8, 4 completions allowed;
Instructor: Spence, Michaelene Rose
Description: Student may contact the instructor or department for information.

Aerospace Engineering and Mechanics 107 Akerman Hall

AEM 1905 Freshman Seminar: Aircraft and Spacecraft: Model Aircraft Design, Flight Test, and Analysis
OPT No Aud, 2 credit(s), max credits 4;
Instructor: Taylor, Brian R
Description: Student may contact the instructor or department for information.

AEM 2011 Statics
A-F only, 3 credit(s);
Instructor: STAFF

AEM 2012 Dynamics
A-F only, 3 credit(s);
Instructor: STAFF

AEM 2021 Statics and Dynamics
A-F only, 4 credit(s);
Instructor: Mueller, Joseph Bernard
Description: Student may contact the instructor or department for information.

AEM 2301 Mechanics of Flight
A-F only, 3 credit(s);
Instructor: STAFF
Description: Student may contact the instructor or department for information.

AEM 3031 Deformable Body Mechanics
A-F only, 3 credit(s);
Instructor: Hesla, Todd
Description: Student may contact the instructor or department for information.

AEM 3100 Software Applications in AEM: Introduction to Scientific Writing with LaTeX
S-N only, 1 credit(s), max credits 4, 4 completions allowed;
Instructor: Hesla, Todd
Description: Student may contact the instructor or department for information.

AEM 4202 Aerodynamics
A-F only, 4 credit(s);
Instructor: STAFF
AEM 4203 Aerospace Propulsion
A-F only, 4 credit(s);
Instructor: STAFF
Description: Student may contact the instructor or department for information.

AEM 4295 Problems in Fluid Mechanics
1-3 credit(s), max credits 6, 6 completions allowed;
Instructor: STAFF
Description: Topics of current interest. Individual projects with consent of faculty sponsor.

AEM 4301 Orbital Mechanics
A-F only, 3 credit(s);
Instructor: Ketema, Yohannes
Description: The two-body problem. Earth-satellite operations, rocket performance, re-entry dynamics, the space environments, the restricted three-body problem, interplanetary trajectories. Numerical simulations. Elementary spacecraft attitude control. Design project. Student may contact instructor for further information.

AEM 4303W Flight Dynamics and Control
A-F only, 4 credit(s); Meets CLE req of Writing Intensive
Instructor: STAFF
Description: Student may contact the instructor or department for information.

AEM 4305 Spacecraft Attitude Dynamics and Control
A-F only, 3 credit(s);
Instructor: STAFF
Description: Student may contact the instructor or department for information.

AEM 4333 Aerospace Design: Special Projects
3 credit(s), max credits 6;
Instructor: STAFF
Description: Student may contact the instructor or department for information.

AEM 4391 Independent Design Project
A-F only, 3 credit(s);
Instructor: Garrard, William L
Description: Student may contact the instructor or department for information.

AEM 4501 Aerospace Structures
A-F only, 3 credit(s);
Instructor: STAFF
Description: Student may contact the instructor or department for information.

AEM 4511 Mechanics of Composite Materials
3 credit(s);
Instructor: STAFF
Description: Student may contact the instructor or department for information.

AEM 4595 Problems in Mechanics and Materials
1-3 credit(s), max credits 6, 6 completions allowed;
Instructor: STAFF
Description: Topics of current interest. Individual projects with consent of faculty sponsor.

AEM 4601 Instrumentation Laboratory
A-F only, 3 credit(s);
Instructor: STAFF
Description: Student may contact the instructor or department for information.
AEM 4796 Professional Experience  
A-F only, 3 credit(s); 
Instructor: STAFF  
Description: Student may contact the instructor or department for information.

AEM 4894H Senior Honors Thesis  
A-F only, 3 credit(s);  
Instructor: Shield, Thomas William  
Description: Student may contact the instructor or department for information.

AEM 4896 International Professional Experience  
A-F only, 3 credit(s);  
Instructor: Garrard, William L  
Description: Student may contact the instructor or department for information.

AEM 5245 Hypersonic Aerodynamics  
A-F only, 3 credit(s);  
Instructor: STAFF  
Description: Student may contact the instructor or department for information.

AEM 5333 Design-to-Flight: Small Uninhabited Aerial Vehicles  
A-F only, 3 credit(s);  
Instructor: Gebre Egziabher, Demoz  
Description: Student may contact the instructor or department for information.

AEM 5503 Theory of Elasticity  
A-F only, 3 credit(s);  
Instructor: STAFF  
Description: Student may contact the instructor or department for information.

AEM 8202 Fluid Mechanics II  
3 credit(s);  
Instructor: STAFF  
Description: Student may contact the instructor or department for information.

AEM 8211 Theory of Turbulence I  
3 credit(s);  
Instructor: STAFF  
Description: Student may contact the instructor or department for information.

AEM 8253 Computational Methods in Fluid Mechanics  
A-F only, 3 credit(s);  
Instructor: STAFF  
Description: Student may contact the instructor or department for information.

AEM 8400 Seminar: Aerospace Systems  
S-N only, 1 credit(s), max credits 4, 4 completions allowed;  
Instructor: Balas, Gary John  
Description: Student may contact the instructor or department for information.

AEM 8421 Robust Multivariable Control Design  
3 credit(s);  
Instructor: Seiler Jr, Peter J  
Description: Student may contact the instructor or department for information.

AEM 8495 Advanced Topics in Aerospace Systems  
A-F only, 1-4 credit(s), max credits 9, 8 completions allowed;  
Instructor: STAFF  
Description: The aim of the course is to learn how to exploit information contained in data collected from a dynamical system to determine mathematical models describing the system’s dynamical behavior. Methods of system
identification are based on the theoretical principles of systems and signals. While the focus of the course is primarily
on linear dynamical systems (described by a set of linear differential equations), the course will also cover general
considerations about how to treat nonlinear. The system identification principles and methods apply to a wide range of
areas. Examples used in the course will cover problems from current research in aerospace (e.g. miniature helicopter,
micro-air vehicle) as well as problems from other areas like robotics, neurosciences, and economics. The primary
textbook used for the course is "System Identification: Theory for the User" by L. Ljung. The other texts used as
references in the course are listed in the reference section.

AEM 8531 Fracture Mechanics
A-F only, 3 credit(s);
Instructor: STAFF
Description: Student may contact the instructor or department for information.

AEM 8595 Selected Topics in Mechanics and Materials
1-4 credit(s), max credits 8, 8 completions allowed;
Instructor: STAFF
Description: Student may contact the instructor or department for information.

Aerospace Studies 3 Armory

Air 1000 Leadership Laboratory
S-N only, 1 credit(s), max credits 10, 10 completions allowed;
Instructor: Peterson, Major Chris
Description: Student may contact the instructor or department for information.

Air 1104 Introduction to the Air Force Today I
A-F only, 1 credit(s);
Instructor: Bliss, Adam J
Description: The Foundations of the United States Air Force Air 1104 introduces the mission and organization of the
Air Force, officerhip and professionalism, military customs and courtesies, Air Force officer opportunities, group
leadership problems, and introduction to communication skills.
Style: 65% Lecture, 15% Film/Video, 10% Discussion, 10% Student Presentation.
Grading: 25% mid exam, 25% final exam, 13% special projects, 12% quizzes, 25% class participation.
Exam Format: Short Answer / Multiple Choice

Air 1105 Introduction to the Air Force Today II
A-F only, 1 credit(s);
Instructor: Bliss, Adam J
Description: Student may contact the instructor or department for information.

Air 1204 History of Airpower and Communication Skills
A-F only, 1 credit(s);
Instructor: Hoopes, David A
Description: Student may contact the instructor or department for information.

Air 1205 Quality Air Force, Group Leadership Problems, and Presentation Techniques
A-F only, 1 credit(s);
Instructor: Hoopes, David A
Description: Student may contact the instructor or department for information.

Air 3302 Air Force Officership, Quality, and Communication
A-F only, 3 credit(s);
Instructor: Peterson, Major Chris
Description: Student may contact the instructor or department for information.

Air 3402 Preparation for Active Duty
A-F only, 3 credit(s);
Instructor: Peterson, Major Chris
Description: Student may contact the instructor or department for information.
Afro 1012 Black Worlds in Global Perspective: Challenges and Changes
3 credit(s); Meets CLE req of Global Perspectives; meets CLE req of Social Sciences
Instructor: Brewer, Rose Marie
Description: This course is an introduction to the key issues, contemporary and historical, confronting Africa and the African diaspora --Black worlds. Our focus is diasporic, meaning that we will center on the dispersal of African peoples and the connections uniting people across Africa and the African diaspora. While African dispersal is global, our major focus is on the African continent and the U.S., with some examination of other parts of the Americas and the Caribbean. A key set of questions guide our work. These include: 1) How might we theorize and conceptualize Black Worlds? How might we begin to think about the conceptual, cultural, methodological and theoretical issues that are at the core of diasporic studies? What is ?African?? What is the Black Atlantic? How do we recover the actions and voices of African agency? Does gender matter and how are Black bodies gendered? How might we think about the current period and African peoples in the global economy? What are the burning issues facing Africans on the continent, African Americans, and new African immigrants? These are core questions, yet, there are many other questions we might and will consider.

Afro 3002 West African History: 1800 to Present
3 credit(s); Credit will not be granted if credit has been received for: HIST 3455; Meets CLE req of Global Perspectives
Instructor: Coifman, Victoria Bomba
Description: This course, which is deeply and firmly rooted in the African past, also is current and relevant for Africa and its people of today and tomorrow. It provides, for example, the historical information for understanding and evaluating the reasons for poor West African (and continental) governance institutions since the 1960s, as well as the move toward better governments becoming visible today. We look at how West Africans managed the tensions, wars, reconciliation and peace efforts from the nineteenth century on, including the historical causes of recent wars in Liberia and Sierra Leone and the current period of reconstruction in both countries. Study of the economies of the West African past are key to formulating policy for the future. Students planning travel, course work, or internships in West Africa and students with African backgrounds, will find valuable and timely historical information about the places they know or will visit. This can contribute to providing the building blocks of development and future planning which meets people "where they are" and therefore increases the chances for success. This information can also help understanding and planning for other parts of the continent. Themes of this course include the study of continuities with the pre-nineteenth century African past, and the profound, even revolutionary changes of the late nineteenth and most of the twentieth centuries. We identify the building blocks of West African society, which in turn makes visible the historical West African institutions for regulating representative governments. We study too, the organizations West Africans (and other Africans) developed for managing foreign relations. We study the impact of increasing contact with the Atlantic World, the continued spread of Islam, the European and American Industrial Revolution, the impact of colonial rule and the drastic changes in political and economic organization in West Africa in the last two hundred years. These have led to a very difficult post-colonial period in the last forty-five years. There are signs today, however, of hope, of difficult lessons learned, clearer indications of concrete roads to take towards a healthy, fruitful West African future.
Style: 55% Lecture, 20% Film/Video, 15% Discussion, 10% Small Group Activities. We use written works and oral traditions and oral history as sources of our information, along with videos.
Grading: 25% mid exam, 25% final exam, 50% reports/papers.
Exam Format: identification of terms, essays. Both have elements of choice within the questions.

Afro 3112 In the Heart of the Beat: the Poetry of Rap
A-F only, 3 credit(s);
Instructor: Coleman PhD, Taiyon J
Description: Student may contact the instructor or department for information.

Afro 3251W Sociological Perspectives on Race, Class, and Gender
A-F only, 3 credit(s); Credit will not be granted if credit has been received for: SOC 3251W; Meets CLE req of Writing Intensive
Instructor: Brewer, Rose Marie
Description: This course is an analytical overview of the impact of the three major forms of inequalities in the United States today: race, class, gender. Our strategy will be to get a good working of these social forces conceptually, institutionally, and in terms of the everyday realities of life in the U.S. We will focus on these inequalities as relatively autonomous, as interconnected, and as deeply embedded and intertwined. Thus, by the end of the session, you should have a good working knowledge of race, class and gender inequalities and social change possibilities. Films, tapes, discussion, group work, presentations, and lectures are the organizational cores of the course. You will be teamed with other members to form small writing teams, working closely with the teaching.
Grading: 40% special projects, 10% class participation, 30% other evaluation. For Three Exams; 20% For Three short
Afro 3301 The Music of Black Americans  
3 credit(s); Meets CLE req of Arts/Humanities; meets CLE req of Diversity and Soc Justice US  
Instructor: Williams, Yolanda Y  
Description: This course traces the "genres and styles impacted of music which...define African-American music in the United States." (Southern) We will follow elements found in West African culture and music such as "call and response" and the "2nd Line" as they travel to the "New World" and expressed through Spirituals, Symphonies, Gospel Music, Jazz, Rock and Roll, Step Bands and more. Through lectures, readings, discussion, audio visual examples, and homework assignments student can expect to gain a deeper understanding of the ways music both reflects and impacts the social history of all Americans.  
Style: audiovisual presentations  
Grading: 20% mid exam, 20% final exam, 20% reports/papers, 10% written homework, 10% reflection paper, 10% in-class presentation, 10% class participation. Written assignments: Live Performance Experiences, Blues composition, Listening Assignments, etc.  
Exam Format: Multiple choice, True-False, Matching and Essay

Afro 3426 African Americans, Social Policy, and the Welfare State  
3 credit(s);  
Instructor: Mayes, Keith A  
Description: This is a course on the history of public and social policy and African Americans. It attempts to familiarize students with some of the most pertinent issues that continue to dominate the news. This course seeks to place into historical context the present-day commentary on social security, affirmative action, welfare, healthcare, and incarceration. Instead of focusing on political movements, we will address the outcome and manifestation of social and political movements, mainly policy concerns and questions. We will begin with the period that ushered in the tradition of social policy—the New Deal. The New Deal, the Great Society, and other attempts by the federal government to involve itself in the lives of ordinary people will be at the center of our course. But we will go beyond this and explore the racial, class, and gender implications of social and public policy. How are African-Americans situated within the welfare state? Do African-Americans receive and share in social benefits to the same degree as other groups? How are African-Americans impacted by education policies such as affirmative action and busing, reforms in welfare, sentencing, and incarceration? What presidential administrations have been amenable to policies that address the problems facing African-Americans? The goal of the course is to turn students into policy-makers.

Afro 3433 Economic Development in Contemporary Africa  
3 credit(s); APEC 1101 or ECON 1101 Credit will not be granted if credit has been received for: APEC 3061; Meets CLE req of Global Perspectives  
Instructor: Okediji, Tade O  
Description: Student may contact the instructor or department for information.

Afro 3592W Introduction to Black Women Writers in the United States  
3 credit(s); Credit will not be granted if credit has been received for: ENGL 3592W; Meets CLE req of Writing Intensive  
Instructor: Coleman PhD, Taiyon J  
Description: Black Women Writers in the United States will explore novels, short stories, essays, poetry, memoirs, and drama from the 18th to the late 20th century. The course will critically explore the literature, criticism, theory, contexts and intersections of race, gender, nationality and other historical, social, economic, political and cumulative positions and identities as conveyed and read within the literature texts and their mutable perspectives. The course will consider the assigned texts within larger and applicable literature canons with an emphasis on the close reading, interpretation, synthesis and facilitation of new, different and expanded knowledge, responses and ideas to and about the literature and its infinite meanings, interpretations and applications to the aesthetics and experiences of Black Women in the United States, the larger Diaspora and the (all inclusive) human condition.  
Grading: Leading Discussion and Discussion Document (20%); Mid-Term (25%); Final Paper (35%); and Participation (20%)  

Afro 3593 The African American Novel  
3 credit(s); Credit will not be granted if credit has been received for: AFRO 5593;  
Instructor: Wright, John S  
Description: AFRO3593&5593 /ENGL 4593: The African American Novel Since romanticism and literary abolitionism converged in the 1850s, African American storytellers have discovered strategic uses for the modern novel -- making it both an ethical instrument and a vessel of ancestral traditions. Inclined initially more to social realism than to fantasy, romance, or surrealism, black American novelists have created a "committed" literature rooted in the view that the images and ideas of the novel are potential weapons in the struggle for social justice and social transformation. Yet an ever-ready countercurrent of comedies, satires, historical fables, and speculative fictions conjured up by African
American novelists express their indebtedness also to philosophical and folk traditions that view literature as a ritualistic and healing exploration of human possibility and the transmundane – of alternate worlds and worldviews. This course explores these African American novelistic traditions -- plot patterns, character types, settings, symbols, themes, movements, and mythologies. From the little known novelistic worlds of late nineteenth century preachers and journalists to Harlem Renaissance political thrillers and urban picaresques to internationally renowned neo-slave narratives, Black Arts magic realism, and philosophical metafictions from the late twentieth century, we will steer a course through the creative and critical torrents of the modern black imagination. Because these writers have been profoundly concerned with social and historical "truth," we will find that the materials and techniques of many African American novels, while dramatizing the conflicts and consciousness of the individual, attempt to "reconstruct" em placebo the experiences and historical consciousness of the group. To complement lectures, during regular class meetings we will rely periodically on filmed interviews or documentaries, as well as on a variety of informal small groups to help focus your attention on the texts and concepts at hand, to strengthen your abilities to articulate and share what you have learned, and to provide another gauge of how successfully you are mastering various elements of the course. The course is designed for advanced undergraduates and graduate students. Written assignments and grading options as follows: Critical Research Paper: Each student is required to write an 10-12 page typed research paper (15-20 pages for graduate students) examining the critical reception (original reviews, etc.), interpretive controversies, and current standing of one of the course novels Grades: Option A - 40% journal, 40% term paper, 10% one-page rationales, 10% class participation Option B - 30% short paper, 50% term paper, 10% rationales, 10% class participation

Afro 3598W Introduction to African American Literature and Culture II
4 credit(s); Credit will not be granted if credit has been received for: ENGL 3598W; Meets CLE req of Writing Intensive
Instructor: Wright, John S
Description: In AFRO/ENGL 3597W & 3598W, the new two-semester Writing Intensive introduction to African American literature, a cornucopia of literary texts, oral traditions, audiovisual materials, and internet resources bring black literary traditions out of the shadows and under an extended exploratory gaze. The Harlem Renaissance divides the first course (3597W) from this companion course (3598W). AFRO/ENGL 3598W focuses exclusively on the 20th century and opens with the Depression Era 1930s literary insurgency led by Richard Wright and then moves forward through the Civil Rights era and Black Power revolts of SNCC, CORE, and the Black Panthers that helped sponsor the 1960s and '70s "second black renaissance," or Black Arts Movement, of the "New Breed" generation: an urban black popular culture explosion analogous to the earlier "New Negro" era: Broadway and off-Broadway black theatre; African-inspired visual art; music-driven performance poetry and "rapping"; avant-garde Afro-Asian jazz; independent and Hollywood-based "badassed" black cinema; politico-religious sects and charismatic orators like Malcolm X and Stokely Carmichael; "soul music" performers like Ray Charles, James Brown, & Aretha Franklin; and the "young, gifted and Black" writers who celebrated and critiqued it all from the vantage point of the newly articulated, Third World-conscious "black aesthetic" which culminated in the achievements of novelists like Toni Morrison and playwrights like August Wilson.
Style: 40% Lecture, 40% Discussion, 5% Laboratory. CourseLib website on Lumina interface, plus a Course Handbook on Electronic Reserve.
Grading: 73% reports/papers, 17% quizzes, 10% laboratory evaluation.
Exam Format: multiple choice and short answer

Afro 3865 African American History: 1865 to the Present
3-4 credit(s), max credits 4, 1 completion allowed; Credit will not be granted if credit has been received for: HIST 3865;
Instructor: Mathieu, Saje M
Description: This course explores African American history from Emancipation to the present. It analyzes the social, political, legal, and cultural dimensions of the African American experience in the United States throughout critical historical moments such as Reconstruction, industrialization, segregation, suffrage, the Great Migrations, World War One, the Great Depression, the New Deal, World War II, the Civil Rights Movement, the black power movement, and contemporary racial politics. In addition to historical texts, students will work closely with various primary sources produced by African Americans, including speeches, newspapers, memoirs, photographs, art, and film.
Style: 70% Lecture, 15% Film/Video, 15% Discussion.
Grading: 25% mid exam, 25% final exam, 30% reports/papers, 20% class participation.

Afro 3868W Race, War, and Race Wars in American History
A-F only, 3 credit(s); Credit will not be granted if credit has been received for: HIST 3868W; Meets CLE req of Writing Intensive
Instructor: Lindquist, Malinda A
Description: Race and war are powerful engines of change and both have fundamentally shaped how Americans think about themselves, their nation, and citizenship. From the Indian Wars, Mexican American Wars and Civil Wars to the World Wars, Cold Wars, Vietnam Wars, and the recent Iraq Wars, this course examines the complicated nexus between race and war. Examining these conflicts from the military's, the citizen-soldiers', racial minorities', and war
hawks’ and doves’ perspectives, will allow students to unravel the relationships between war, democracy, patriotism, exclusion, violence, rhetoric, masculinity, and citizenship. Wars have transformed our racial and social landscapes, however, the gendered and classed nature of wartime experiences and military discourse will also receive considerable attention. All wars, however, are not waged by standing militaries. Racial violence, riots, and lynchings, that is, the race wars waged in rural, urban, and suburban America are also explored. The theme of war also invites a consideration of how the rhetoric of war (i.e. the War on Poverty, the Drug War, the Border or Immigration Wars, and War on Terror) has figured into racial politics and policy making. At the conclusion of this course, students will be familiar with how wars (foreign, domestic, and rhetorical) have transformed the racial geography of the nation and how race continues to inform contemporary debates.

Afro 3910 Topics in the African Diaspora.: Black Minnesota History Project
3 credit(s), max credits 9, 3 completions allowed;
Instructor: Onishi,Yuichiro
Description: This is a community-based collective historical research and writing course. It explores the history of Minnesota’s African Americans during the first half of the twentieth century. Placed at the center of our collaborative inquiry is the history of Minnesota’s African American porters, as well as these porters’ family members and allies active in the organizing activity of the Brotherhood of Sleeping Car Porters (BSCP) between the 1920s and the 1950s. The key feature of this course is that what we research and eventually deliver is tightly bound up with community building. Working closely with the local social service agency in St. Paul called Model Cities, we will help this agency create a public history space in its new building. Our goal is to produce and present historical knowledge in a way that allows St. Paul’s Rondo community members and others with deep ties to this community - the young and the old - to remember the rich local history of African American activism between the 1920s and the 1950s.
Style: 30% Lecture, 70% Discussion.

Afro 3910 Topics in the African Diaspora.: North Africa since 1500: Islam and Colonialism
3 credit(s), max credits 9, 3 completions allowed;
Instructor: Schroeter,Daniel J
Description: Student may contact the instructor or department for information.

Afro 5181W Blacks in American Theatre
3 credit(s);Credit will not be granted if credit has been received for: TH 5181W;Meets CLE req of Writing Intensive
Instructor: Taylor,Dominic A
Description: Student may contact the instructor or department for information.

Afro 5551 Methods: Use of Oral Traditions as Resources for History
3 credit(s);
Instructor: Coifman,Victoria Bomba
Description: Africans and African Americans (like many other people such as Native Americans) have kept some or much of their history in spoken, rather than written form. To access this important data for writing history today, a methodology for the use of oral traditions by historians has been developed. This is based on the work of Jan Vansina, Emeritus Professor of History and of Anthropology, University of Wisconsin-Madison. This course’s focus is on the history methodology which allows for the use of oral traditions as sources for history. There is some study too, of the use of oral histories as sources for history. Oral traditions are “verbal messages which are reported statements from the past, beyond the present generation”. Jan Vansina, 1985,27. They are spoken or sung, even carried in music. Oral histories on the other hand, consist of spoken accounts of events taking place in a person’s lifetime. Use of the canons of history to analyze and critique oral traditions and to use them along with written historical sources, are the central focus of this class. A popular section of the course is our study of the history of African history in various countries since the 1950s. Also, while the focus is upon African American and African data, students of other peoples’ histories, and from the perspective of other disciplines, such as Anthropology, Urban Studies, Literature and Psychology will find much helpful information in the course, for their own work.
Style: 55% Lecture, 20% Film/Video, 15% Discussion, 10% Small Group Activities. Keeping current with reading and lecture assignment is important for fun and fruitful class times.
Grading: 25% mid exam, 25% final exam, 50% reports/papers. Each student fills out three non graded but mandatory sheets of terms from the course for identification. This becomes the base of class discussion, and serves too, as a review mechanism. Students like this a lot.
Exam Format: identification of terms and short essays each part contains elements of choice within the questions.

Afro 5593 The African American Novel
3 credit(s);Credit will not be granted if credit has been received for: ENGL 4593;
Instructor: Wright,John S
Description: AFRO3593&5593 /ENGL 4593: The African American Novel Since romanticism and literary abolitionism converged in the 1850s, African American storytellers have discovered strategic uses for the modern novel -- making it
both an ethical instrument and a vessel of ancestral traditions. Inclined initially more to social realism than to fantasy, romance, or surrealism, black American novelists have created a "committed" literature rooted in the view that the images and ideas of the novel are potential weapons in the struggle for social justice and social transformation. Yet an ever-ready countercurrent of comedies, satires, historical fables, and speculative fictions conjured up by African American novelists express their indebtedness also to philosophical and folk traditions that view literature as a ritualistic and healing exploration of human possibility and the transmundane -- of alternate worlds and worldviews. This course explores these African American novelistic traditions -- plot patterns, character types, settings, symbols, themes, movements, and mythologies. From the little known novelistic worlds of late nineteenth century preachers and journalists to Harlem Renaissance political thrillers and urban picaresques to internationally renowned neo-slave narratives, Black Arts magic realism, and philosophical metafictions from the late twentieth century, we will steer a course through the creative and critical torrents of the modern black imagination. Because these writers have been profoundly concerned with social and historical "truth," we will find that the materials and techniques of many African American novels, while dramatizing the conflicts and consciousness of the individual, attempt to "reconstruct" emblematically the experiences and historical consciousness of the group. To complement lectures, during regular class meetings we will rely periodically on filmed interviews or documentaries, as well as on a variety of informal small groups to help focus your attention on the texts and concepts at hand, to strengthen your abilities to articulate and share what you have learned, and to provide another gauge of how successfully you are mastering various elements of the course. The course is designed for advanced undergraduates and graduate students. Written assignments and grading options as follows: Critical Research Paper: Each student is required to write an 10-12 page typed research paper (15-20 pages for graduate students) examining the critical reception (original reviews, etc.), interpretive controversies, and current standing of one of the course novels Grades: Option A - 40% journal, 40% term paper, 10% one-page rationales, 10% class participation Option B - 30% short paper, 50% term paper, 10% rationales, 10% class participation

Afro 5910 Topics in African American and African Studies: Black Minnesota History Project
3 credit(s), max credits 9, 3 completions allowed;
Instructor: Onishi,Yuichiro
Description: This is a community-based collective historical research and writing course. It explores the history of Minnesota's African Americans during the first half of the twentieth century. Placed at the center of our collaborative inquiry is the history of Minnesota's African American porters, as well as these porters' family members and allies active in the organizing activity of the Brotherhood of Sleeping Car Porters (BSCP) between the 1920s and the 1950s. The key feature of this course is that what we research and eventually deliver is tightly bound up with community building. Working closely with the local social service agency in St. Paul called Model Cities, we will help this agency create a public history space in its new building. Our goal is to produce and present historical knowledge in a way that allows St. Paul's Rondo community members and others with deep ties to this community - the young and the old - to remember the rich local history of African American activism between the 1920s and the 1950s.

Agricultural Industries and Marketing 235 Soils

AIM 4011 Student Project/Field Investigation
3 credit(s);
Instructor: Nefstead,Ward Elliot
Description: Student may contact the instructor or department for information.

Agricultural, Food, and Environmental Education 146 Ruttan Hall

AFEE 2096 Professional Practicum in Agricultural Education: Early Experience
A-F only, 1-3 credit(s), max credits 3, 1 completion allowed;
Instructor: Peterson,Roland L
Description: Student may contact the instructor or department for information.

AFEE 2221 People Skills for Leadership
A-F only, 3 credit(s);
Instructor: Lorensen,Marianne Elizabeth
Description: Student may contact the instructor or department for information.

AFEE 2421 Professional Communication for Agriculture, Food, and the Environment
A-F only, 3 credit(s);
Instructor: Swenson,Rebecca Dean
Description: Student may contact the instructor or department for information.
AFEE 2421 Professional Communication for Agriculture, Food, and the Environment
A-F only, 3 credit(s);
Instructor: Swenson, Rebecca Dean
Description: This course is open to any student who wants to practice communicating effectively with many audiences. Students who want to be the next generation of teachers, scientists, industry leaders, advocates, and policy makers must learn how to communicate with the public, their peers, and other audiences. Success in the professional world requires more than mastery of technical knowledge; professionals must be able to communicate information and ideas with clarity, logic, and strategy in order to make an impact and enact change. The goal of this course is to help students practice foundational writing and speaking skills needed to join current conversations about agriculture, food, and natural resource use and to be successful in a wide variety of careers. For the final project, students work in teams to put together a symposium, modeled after the TED Talks conference (www.ted.com), in which they practice presenting engaging information to different audiences about important issues related to food, agriculture, or environmental challenges and solutions.
Style: 50% Lecture and Discussion, 50% Course Projects and Activities.
Grading: 60% Oral and Written Assignments; 20% quizzes; 20% Attendance, Discussion Board Postings and Participation
Exam Format: No exams. 3 quizzes. (Two quizzes are open-book format; the third is a team-based quiz.)

AFEE 3096 Experiential Learning: Production and Business
1-8 credit(s), max credits 12, 12 completions allowed;
Instructor: Swenson, Rebecca Dean
Description: Student may contact the instructor or department for information.

AFEE 3430 Communicating Food, Agriculture & Environmental Science to the Public
A-F only, 3 credit(s);
Instructor: Swenson, Rebecca Dean
Description: Student may contact the instructor or department for information.

AFEE 5112 Agricultural Education Program Organization and Curriculum for Youth
3 credit(s);
Instructor: Smith, Amy Rae
Description: Student may contact the instructor or department for information.

AFEE 5114 Agricultural Education Teaching Seminar
1 credit(s);
Instructor: Greiman, Brad
Description: Student may contact the instructor or department for information.

AFEE 5116 Coordination of SAE Programs: Work-based Learning
A-F only, 2 credit(s);
Instructor: Smith, Amy Rae
Description: Student may contact the instructor or department for information.

AFEE 5118 Strategies for Managing and Advising the FFA Organization
A-F only, 2 credit(s);
Instructor: Greiman, Brad
Description: Student may contact the instructor or department for information.

AFEE 5220 Special Topics in Agriculture Education and Extension: Personal and Youth Leadership Development
2 credit(s), max credits 12, 12 completions allowed;
Instructor: Lorensen, Marianne Elizabeth
Description: Student may contact the instructor or department for information.

AFEE 5280 Current Issues for the Beginning Agricultural Education Teacher
1-3 credit(s), max credits 3, 1 completion allowed;
Instructor: Greiman, Brad
Description: Student may contact the instructor or department for information.

AFEE 5698 Teaching Internship
3-8 credit(s), max credits 8, 1 completion allowed;
Instructor: Greiman, Brad
Description: Student may contact the instructor or department for information.

AFEE 5993 Directed Study in Agricultural Education and Extension
1-9 credit(s), max credits 9, 1 completion allowed;
Instructor: Swenson, Rebecca Dean
Description: Student may contact the instructor or department for information.

AFEE 5993 Directed Study in Agricultural Education and Extension
1-9 credit(s), max credits 9, 1 completion allowed;
Instructor: Greiman, Brad
Description: Student may contact the instructor or department for information.

AFEE 5993 Directed Study in Agricultural Education and Extension
1-9 credit(s), max credits 9, 1 completion allowed;
Instructor: Greiman, Brad
Description: Student may contact the instructor or department for information.

AFEE 5995 Integrating Paper--Master of Education: Agricultural and Extension Education
A-F only, 1-4 credit(s), max credits 4, 1 completion allowed;
Instructor: Greiman, Brad
Description: Student may contact the instructor or department for information.

**Agronomy and Plant Genetics** 411 Borlaug Hall

Agro 1093 Directed Studies
1-4 credit(s), max credits 12, 12 completions allowed;
Instructor: Smith, Kevin Paul
Description: Student may contact the instructor or department for information.

Agro 1101 Biology of Plant Food Systems
4 credit(s); Meets CLE req of Biological Sciences
Instructor: Smith, Kevin Paul
Description: This course is designed for students who are not majors in a life science program, but who wish to acquire a better understanding of biological concepts especially as they relate to their lives. This course fulfills the University’s Council on Liberal Education Diversified Core requirement for a biology course with lab and the Designated Theme environment. Throughout this course, we will examine in depth, current issues related to food, food production and the environment. These issues will provide the context in which we investigate fundamental concepts of biology and examine ecological principles including productivity, energy, genetic change in populations, and environmental responses to human activity.
Style: 30% Lecture, 1% Film/Video, 7% Discussion, 40% Laboratory, 20% Small Group Activities, 2% Student Presentation.
Grading: 15% final exam, 21% reports/papers, 7% special projects, 6% quizzes, 27% written homework, 24% additional semester exams. 24% additional exams is really three tests that are worth 8% each. Each test is conducted individually and in a small group (collaboratively)
Exam Format: Multiple choice, short answer

Agro 3203W Environment, Global Food Production, and the Citizen
3 credit(s); Credit will not be granted if credit has been received for: AGUM 2224; Meets CLE req of Global Perspectives; meets CLE req of Writing Intensive
Instructor: Porter, Paul M
Description: Sustainable production of food is crucial to human survival. Different agricultural ecosystems have developed around the world that are influenced by and have an impact on the environment. This Course examines how the environment constrains the capacity to produce food and the impact of agriculture on the environment from a Global Perspective. Topics include human population growth and hunger, ecological properties of agricultural ecosystems, issues of biodiversity, natural resource conservation, pollution, water and waste management. The course is Writing Intensive and utilizes the Active Learning Classroom to provide a group learning environment. The course utilizes decision cases, discussions, writing and readings to enable you to reflect upon global perspectives of compelling contemporary and historical issues in the regions of Africa, Asia and the European Union involving sustainability and to engage in ethical debate about global food production with respect to environmental, societal and economic perspectives. Students with no prior exposure to agriculture are encouraged to enroll. An introductory
knowledge of biological concepts would be helpful.

**Style:** 35% Lecture, 35% Discussion, 20% Small Group Activities. Active Learning, decision cases, group work

**Grading:** 20% mid exam, 20% final exam, 40% reports/papers, 20% class participation.

**Exam Format:** short essay and multiple choice

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**Agro 3203W Environment, Global Food Production, and the Citizen**

3 credit(s); Credit will not be granted if credit has been received for: AGUM 2224; Meets CLE req of Global Perspectives; meets CLE req of Writing Intensive

**Instructor:** Raeth-Knight, Mary Louise

**Description:** Sustainable production of food is crucial to human survival. Different agricultural ecosystems have developed around the world that are influenced by and have an impact on the environment. This Course examines how the environment constrains the capacity to produce food and the impact of agriculture on the environment from a Global Perspective. Topics include human population growth and hunger, ecological properties of agricultural ecosystems, issues of biodiversity, natural resource conservation, pollution, water and waste management. The course is Writing Intensive and utilizes the Active Learning Classroom to provide a group learning environment. The course utilizes decision cases, discussions, writing and readings to enable you to reflect upon global perspectives of compelling contemporary and historical issues in the regions of Africa, Asia and the European Union involving sustainability and to engage in ethical debate about global food production with respect to environmental, societal and economic perspectives. Students with no prior exposure to agriculture are encouraged to enroll. An introductory knowledge of biological concepts would be helpful.

**Style:** 35% Lecture, 35% Discussion, 20% Small Group Activities. Active Learning, decision cases, group work

**Grading:** 20% mid exam, 20% final exam, 40% reports/papers, 20% class participation.

**Exam Format:** short essay and multiple choice

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**Agro 3660 Plant Genetic Resources: Identification, Conservation, and Utilization**

A-F only, 3 credit(s);

**Instructor:** Stupar, Robert M

**Description:** This course is intended for undergraduate majors and non-majors interested in plant genetic resources and diversity. We will focus on methods of identifying, characterizing and conserving plant genetic resources. We will examine the biological basis of genetic diversity and highlight several case studies in which plant genetic resources are currently being utilized for crop improvement. This course will consider plant genetic resources at the local, national and international levels. In the laboratory, students will gain experience with phenotypic, molecular and computer-based methods for distinguishing and cataloging plant genetic diversity.

**Style:** 50% Lecture, 15% Discussion, 33% Laboratory, 2% Student Presentation.

**Grading:** 30% mid exam, 25% final exam, 25% reports/papers, 10% quizzes, 10% class participation.

**Exam Format:** Short answer, multiple choice, matching, vocabulary, problem solving.

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**Agro 4005 Applied Crop Physiology and Development**

4 credit(s), max credits 8;

**Instructor:** Brakke, Mary Patricia

**Description:** Student may contact the instructor or department for information.

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**Agro 4093 Directed Studies for Advanced Students**

2 credit(s), max credits 12, 12 completions allowed;

**Instructor:** Smith, Kevin Paul

**Description:** Student may contact the instructor or department for information.

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**Agro 4096 Professional Experience Program: Internship**

S-N only, 1-3 credit(s), max credits 6, 6 completions allowed;

**Instructor:** Brakke, Mary Patricia

**Description:** Student may contact the instructor or department for information.

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**Agro 4097 Undergraduate Research Thesis**

A-F only, 1-6 credit(s), max credits 12;

**Instructor:** Smith, Kevin Paul

**Description:** Students work with a faculty member to develop a research project, carry out the research, and write a thesis.

**Style:** Regular meetings are scheduled with instructor.

**Grading:** 100% reports/papers.

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**Agro 4401 Plant Genetics and Breeding**

4 credit(s); [Biol 1009 or equiv or grad], instr consent Credit will not be granted if credit has been received for:
HORT 4401;
Instructor: Thill, Christian A
Description: This course is designed for undergraduate or Master of Agriculture students. The emphasis will be on plant genetics and breeding and requires no prior genetics course (although a biology course is required). Students taking the course should be interested in using the products of plant breeding rather than being a professional plant breeder. The purpose of this course is to cultivate an appreciation for the fundamental principles of plant genetics and genetic processes and the procedures plant breeders use to create new varieties. Topics range from molecular aspects of genetics, Mendelian genetics, biotechnology, and genomics to variety development, seed multiplication, and intellectual property issues. Class material on Web CT/ Web Vista.
Style: 55% Lecture, 3% Film/Video, 5% Discussion, 30% Laboratory, 5% Small Group Activities, 2% Student Presentation. lab involves working with plant material in the greenhouse
Grading: 15% mid exam, 25% final exam, 20% reports/papers, 15% special projects, 10% quizzes, 15% additional semester exams. Reports and papers and special project part of labs
Exam Format: The exams emphasize problem solving and synthesis of material from lecture and labs, Questions are short answer, TF multiple choice, matching, vocabulary and problems.

Agro 4505 Biology, Ecology, and Management of Invasive Plants
3 credit(s);
Instructor: Wyse, Donald L
Description: Student may contact the instructor or department for information.

Agro 5121 Applied Experimental Design
4 credit(s); Stat 5021 or equiv or instr consent Credit will not be granted if credit has been received for: ENT 5121;
Instructor: Ehlke, Nancy Jo
Description: This class is designed for graduate students interested in developing practical statistical research skills beyond topics covered in Applied Statistical Analysis (STAT 5021). Successful students will learn central principles in sampling, experimental design, and statistical analysis, and will learn to recognize and analyze results from experimental designs that are commonly used in agricultural, food and natural resource sciences. Students will be able to generate testable hypotheses, organize a work plan to collect research data, and analyze results using appropriate software such as R, SAS, Excel and others as appropriate for specific designs. The course consists primarily of lectures on basic concepts and applications, and discussion sections focus on problem sets, lecture topics that require additional depth, and student projects, as student needs dictate. Grades are based on seven problem sets (10% each) and a semester design project (30 %) tailored to individual student research interests.

Agro 5321 Ecology of Agricultural Systems
A-F only, 3 credit(s); [3xxx or above] course in [Agro or AnSc or Ent or Hort or PIPa or Soil] or instr consent Credit will not be granted if credit has been received for: ENT 5321;
Instructor: Jordan, Nicholas Royal
Description: This course develops a concept of agriculture as the result of interactions between human social systems and ecological systems. These "eco-social" interactions define an agroecology that includes humans as ecological actors. The course aims to provide some useful concepts for viewing agriculture from this holistic, "systems" perspective, and some practical experiences in doing so. Our aim is to help our students become better able to work in the face of complex, tangled webs of problems and opportunities in agroecological challenges such as local food system development. Concepts of systems thinking are applied to agriculture through practical applications. The course features a community-based learning component, in which students apply methods of systems thinking to a local "live" agroecology problem, such as local food system development, in partnership with community organizations. The course may be useful for students interested in "the human factor" in any field of environmental studies or management. A manuscript describing the course is attached; please click on the 'syllabus’ link below.
Grading: 75% reports/papers, 25% class participation.
Exam Format: Final written report

Agro 5980 Publishing in Plant Science Journals
S-N only, 2 credit(s);
Instructor: Bernardo, Rex N
Description: Students will learn skills for reporting research results in a peer-reviewed journal manuscript. Topics include the publication process; choosing your journal; characteristics of good scientific writing; ethics, plagiarism, and authorship; stating your objectives; writing the different components of a manuscript; citing literature; use of tables and figures; and proofreading. Students are expected to write a manuscript ready for submission to a plant science journal.
Style: 10% Lecture, 70% Discussion, 20% Small Group Activities.

Agro 5999 Special Topics: Workshop in Agronomy: Essentials of Plant Breeding
3 credit(s), max credits 6, 3 completions allowed;
Instructor: Bernardo,Rex N  
Description: Student may contact the instructor or department for information.

**Agro 8202 Breeding for Quantitative Traits in Plants**
- **3 credit(s);**
- **Instructor:** Bernardo,Rex N
- **Description:** Principles and concepts of population and quantitative genetics; application in designing and implementing a plant breeding program; and theory, experimental approaches, and evidence that form the basis for these concepts and breeding strategies.
- **Style:** 20% Lecture, 40% Discussion, 40% Small Group Activities.
- **Grading:** 60% mid exam, 30% final exam, 10% class participation.

**Agro 8270 Graduate Seminar**
- A-F only, 1 credit(s); Grad major in [applied plnt sci or agro or ent or hort or plnt brdg or plnt path or soil] or instr consent Credit will not be granted if credit has been received for: HORT 8270;
- **Instructor:** Wyse,Donald L
- **Description:** Student may contact the instructor or department for information.

**Agro 8280 Current Topics in Applied Plant Sciences**
- S-N only, 1 credit(s);
- **Instructor:** Thill,Christian A
- **Description:** Student may contact the instructor or department for information.

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**American Indian Studies 19 Scott Hall**

**Amln 1001 American Indian Peoples in the United States**
- **3 credit(s);**
- **Meets CLE req of Diversity and Soc Justice US**
- **Instructor:** STAFF
- **Description:** This course is intended to give students a general overview of the contemporary and historic experiences of American Indian peoples in the United States and Canada. It challenges the dominant culture’s stereotypes and its unthinking assumptions about American Indian people in the past and present. It shows how the peoples of America's First Nations engaged the presence and representations of foreigners in their midst through acts of resistance, rebellion, accommodation, and innovation. In the process, it illustrates the great diversity of tribal cultures and histories in North America, and it gives evidence of this in the areas of identity, work, philosophy, politics, society, language, religion, literature, and the arts.

**Amln 1003 American Indians in Minnesota**
- **A-F only, 3 credit(s);**
- **Meets CLE req of Diversity and Soc Justice US; meets CLE req of Historical Perspectives**
- **Instructor:** Ghebregzi,Alex Anthony
- **Description:** Student may contact the instructor or department for information.

**Amln 1003 American Indians in Minnesota**
- **A-F only, 3 credit(s);**
- **Meets CLE req of Diversity and Soc Justice US; meets CLE req of Historical Perspectives**
- **Instructor:** McKay,Neil Troy
- **Description:** The course will focus in particular on the history, culture, and lived experience of American Indian people in the state of Minnesota. This course will explore how Anishinaabe (Ojibwe) and Dakota people have represented their lives and histories through film, music, oral traditions and written texts. It also includes some work by non-Indian scholars which focus on the distinctive cultural, philosophical, and linguistic perspectives of Anishinaabe and Dakota peoples. The course invites local Dakota and Ojibwe artists, elders, and scholars to speak on their own experiences. It is particularly interested in revealing the students’ tribal pedagogical and epistemological perspectives or "ways of knowing" as practiced by Indian people in Minnesota today and in the past. This course will introduce students to the humanities as understood within the intellectual perspectives and methodologies of the Dakota and Ojibwe, in particular, and American Indian Studies, more generally. Since these perspectives fall outside the western humanities tradition, this course offers a culturally unique and tribally based perspective on subject matter in the humanities, namely literature, art, music, philosophy and language.
- **Style:** 40% Lecture, 30% Discussion. video, guest speakers
- **Grading:** 20% mid exam, 20% final exam, 20% reports/papers, 10% class participation, 30% other evaluation. 
  attendance, readings
- **Exam Format:** question and answer, open ended, true false

**Amln 3201W American Indian Literature**
**Description:** How do you creatively respond to the transformations and deformations introduced into Native America by the colonizing cultures of Europe and Euroamerica? In this course we examine how a select group of American Indian writers creatively respond to the experience of colonization in the narratives they imagine. This question is not aimed exclusively at American Indian writers though, nor is it even more generally aimed only at Indian people. Rather this question about colonization is aimed at everyone living here now: How do you (you sitting there reading this statement) creatively respond to the transformations and deformations introduced into Native America by the colonizing culture of Euroamerica? This course invites you to think about this question and this writing, even if you never have before. In class discussions we will examine how various writers approach this question and we will familiarize ourselves with the ideas, themes, and tools Native writers use through close readings of their works. In addition to examining the works we will also examine ways the various works ask us to consider and reconsider our own experiences of living in North America. Your responses to the works and our guiding question will be explored, examined, and developed in class discussions, a variety of short writing assignments, and in a final research essay. You will read four or five books for the course as well as a half-dozen or so short readings. As the course is Writing-Intensive you will also do about 40 pages of writing.

**Style:** 10% Lecture, 90% Discussion.

**Grading:** 80% reports/papers, 20% quizzes.
AmIn 3701 Ojibwe Culture and History  
3 credit(s); Meets CLE req of Diversity and Soc Justice US; meets CLE req of Historical Perspectives  
Instructor: Jones, Dennis  
Description: An introductory overview of Ojibwe culture, history, beliefs, and traditions, including philosophy and world view. The course is presented in four parts, with a test and a paper due at the completion of each part.  
Style: 50% Lecture, 50% Discussion.  
Grading: 20% final exam, 40% reports/papers, 40% quizzes.  
Exam Format: Multiple choice; true/false; and matching

AmIn 3711 Dakota Culture and History  
3 credit(s); Meets CLE req of Diversity and Soc Justice US; meets CLE req of Historical Perspectives  
Instructor: STAFF  
Description: This course focuses on Dakota culture and history. Our emphasis will be on the four bands of the Santee Dakotas: the Mdewakantons, Wahpekutes, Wahpetons, and the Sissetons. The content of the course will be regionally based, that is, we will study primarily the Dakota bands located in Minnesota and eastern South Dakota. This course will introduce you to many aspects of Dakota culture. We will first begin with a historical overview of the Dakota people, this section will lead us to a significant event in Dakota History: the Uprising/War/Conflict of 1862. As you learn about Dakota history, you will also become aware of the culture of the Santee Dakota. This will involve oral history and narratives, music and dance, artistic expression, language, and discussions of contemporary issues relevant to the Dakota people. Target audience: anyone interested in American Indian Studies.  
Style: 10% Lecture, 60% Discussion.  
Grading: 20% mid exam, 20% final exam, 40% reports/papers, 10% in-class presentation, 10% class participation.  
Exam Format: Multiple Choice, Essay

AmIn 3872 American Indian History: 1830 to the Present  
3 credit(s); Credit will not be granted if credit has been received for: HIST 3872;  
Instructor: O'Brien, Jean Maria  
Description: How did American Indian nations navigate the turbulent nineteenth and twentieth centuries that brought a flood of intruders into their homelands and remake themselves into the vibrant and richly diverse peoples that they are in the present? Beginning with the turmoil surrounding Indian Removal policy in the 1830s, and extending into the present-day struggles of Indian nations to control their own destinies, this course serves as an introduction to American Indian history from 1830 to the present. Touching on such themes such as cultural resistance and and political resurgence in the face of U.S. colonialism, we will focus on the interface between the development of Federal Indian policy and American Indian resistance to U.S. initiatives as a unifying theme, and we will also consider major shifts in the nature of American Indian sovereignty into the present. This course stresses the integrity and adaptability of American Indian societies, and the centrality of ever-emergent American Indian identity to the experiences of Indian people. Particular topics include: Indian Removal and the concept of Indian Territory; Sovereignty: What does it mean? Encounters, east and west; Reservation Life; Pan-Indianism; John Collier and the Indian New Deal; the Indian Claims Commission; Termination and Relocation; Self-Determination and Indian Activism. Readings are designed to complement course session, and include documents, a monograph, a novel, and compiled oral histories of Indian peoples.  
Style: 30% Lecture, 20% Film/Video, 30% Discussion, 20% Small Group Activities.  
Grading: 40% mid exam, 40% reports/papers, 10% quizzes, 10% class participation.  
Exam Format: Essay

AmIn 4511 American Indian Political Economy  
3 credit(s);  
Instructor: Wilkins, David E  
Description: This course focuses on the sources, nature, and consequences of Indian political and economic "underdevelopment." We will read and discuss different theoretical approaches which purport to explain why tribal nations are still underdeveloped economically (notwithstanding the myth that Indian gaming has made all tribes wealthy); we will examine the U.S. government's efforts to both stimulate and restrict tribal political/economic development; and we will discuss the critical role that indigenous "value" plays in questions of tribal development. We will focus on several crucial issues areas (i.e., Indian gaming, tribal-state relations, energy resources, urban Indians, and Indian water rights) and we will examine several tribes as case studies to see how and why they have or have not been "successful" in the area of political/economic development. This is an upper-division class with a writing emphasis. Students will be expected to read several books, do reserve readings, and will be required to write a major research paper and several shorter papers. Texts will include, but not be limited to: Richard White, "The Roots of Dependency," Elizabeth Cheechio and Bonnie G. Colby, "Indian Water Rights," Susan Guyette, "Planning for Balanced Development: A Guide for Native American and Rural Communities," and Donald Fixico, "The Invasion of Indian Country in the Twentieth Century: American Capitalism and Tribal Natural Resources."
Style: 50% Lecture, 50% Discussion.
Grading: 25% mid exam, 25% final exam, 25% reports/papers, 25% special projects.
Exam Format: Essay.

Amln 4990 Topics in American Indian Studies: Dakota Texts, Songs and Translations
1-4 credit(s), max credits 8;
Instructor: McKay, Neil Troy
Description: Student may contact the instructor or department for information.

Amln 5402 American Indians and the Cinema
A-F only, 3 credit(s); Meets CLE req of Arts/Humanities; meets CLE req of Diversity and Soc Justice US
Instructor: Meland, Carter
Description: In American Indians and the Cinema, we examine historical and contemporary representations of American Indian peoples in film, the power inequities reflected in those representations, and American Indian resistance to those representations. We will ask ourselves how have particular images of Indians in the movies served the interests of an American nationalist agenda rather than the interests of Native individuals and nations themselves, The course aims to make such questions of the power of representation clear to students and offers the tools to engage in a critique of conventional cultural representations of American Indian people, as well as, more critically, exposing them to an emerging body of work by American Indian filmmakers asserting their own authority in controlling their images and offering their stories to the viewing world at large. The course addresses ideas of diversity and social justice in the U.S. by exploring how films by American Indian filmmakers offer a differing idea of what American Indian experience has been and is—and ultimately examines the development of an American Indian "aesthetic" by Native filmmakers that is grounded in the historical and ongoing cultural viability of Native peoples. Students taking the course focus on developing a critical vocabulary for understanding both what film is and how it has historically represented American Indian peoples as well as exploring how these representations have changed, or not, in response to changing historical/social contexts. Through examinations and papers students will engage in the task of articulating their critical insights concerning the films and the contexts they emerge from and reflect on.
Style: 10% Lecture, 40% Film/Video, 40% Discussion, 10% Student Presentation.

American Sign Language 240 Learning & Environmental Sciences Building

ASL 1701 American Sign Language I
5 credit(s);
Instructor: STAFF
Description: A study of the fundamentals of American Sign Language: Introduction to learning and understanding American Sign Language, cultural values and rules of behavior of the deaf community in the United States. Includes receptive and expressive readiness activities, sign vocabulary, grammatical structure, receptive and expressive finger spelling, and deaf culture. *Please note: A nominal fee may be required to attend a Deaf cultural and/or American Sign Language related event.

ASL 1702 American Sign Language II
5 credit(s);
Instructor: STAFF
Description: Continuation of the study of the fundamentals of American Sign Language: Increased communication skill in American Sign Language, cultural values and behavioral rules of the deaf community in the U.S., receptive and expressive, sign vocabulary, grammatical structure, receptive and expressive finger spelling and aspects of deaf culture. (SP-ASL 1701 or instructor approval) Please note: A nominal fee may be required to attend a Deaf cultural and/or American Sign Language related event.

ASL 3703 American Sign Language III
5 credit(s);
Instructor: STAFF
Description: Expanded instruction of American Sign Language receptive and expressive activities, sign vocabulary, grammatical structure, receptive and expressive finger spelling, narrative skills, cultural behaviors, and aspects of deaf culture. Abstract and conversational approach. (SP-ASL 1702 or instructor approval) Please note: A nominal fee may be required to attend a Deaf cultural and/or American Sign Language related event.

ASL 3704 American Sign Language IV
5 credit(s);
Instructor: STAFF
Description: Increases the emphasis on more abstract and challenging conversational and narrative range. Includes receptive and expressive readiness activities, sign vocabulary, grammatical structure, receptive and expressive finger
spelling, various aspects of deaf culture and cultural behavior rules. (SP-ASL 1703 or instructor approval) Please note: A nominal fee may be required to attend a Deaf cultural and/or American Sign Language related event.

**ASL 3705 Cultural Perspectives of Deafness**
- 3 credit(s);
- **Instructor:** STAFF
- **Description:** Introduction to the deaf community as a linguistic and cultural minority group. The role of deaf people in the larger society, political activism, laws, access to information, educational philosophies and methods, and communication systems.

**ASL 3800 ASL Independent Study: Extended Study**
- S-N only, 1-3 credit(s), max credits 6;
- **Instructor:** Applebee, Shirley D
- **Description:** Student may contact the instructor or department for information.

**ASL 3800 ASL Independent Study: Extended Study**
- S-N only, 1-3 credit(s), max credits 6;
- **Instructor:** Siebert, Renee Millie
- **Description:** Student may contact the instructor or department for information.

**ASL 3800 ASL Independent Study: Extended Study**
- S-N only, 1-3 credit(s), max credits 6;
- **Instructor:** Buchholz, Sandra Kay
- **Description:** Student may contact the instructor or department for information.

**ASL 3800 ASL Independent Study: Extended Study**
- S-N only, 1-3 credit(s), max credits 6;
- **Instructor:** Caven, Janet Kay
- **Description:** Student may contact the instructor or department for information.

**ASL 3800 ASL Independent Study: Extended Study**
- S-N only, 1-3 credit(s), max credits 6;
- **Instructor:** Johnson, Rania Jung
- **Description:** Student may contact the instructor or department for information.

**ASL 3800 ASL Independent Study: Extended Study**
- S-N only, 1-3 credit(s), max credits 6;
- **Instructor:** Zeibot, Alexander
- **Description:** Student may contact the instructor or department for information.

**ASL 3800 ASL Independent Study: Extended Study**
- S-N only, 1-3 credit(s), max credits 6;
- **Instructor:** Neubarth, Bradley E
- **Description:** Student may contact the instructor or department for information.

**ASL 3800 ASL Independent Study: Extended Study**
- S-N only, 1-3 credit(s), max credits 6;
- **Instructor:** Vintinner, Ishaq
- **Description:** Student may contact the instructor or department for information.

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**American Studies 104 Scott Hall**

**AmSt 1011 Religions and American Identity in the United States from World War II to the Present**
- 3 credit(s); Credit will not be granted if credit has been received for: RELS 1011; Meets CLE req of Civic Life and Ethics
- **Instructor:** Prell, Riv-Ellen
- **Description:** How does religion become part of public and political life in the United States? Over the last sixty years religion has played an important role in most of the critical social movements of this period. In addition, the meaning of religious freedom has been contested in the courts leading to some of the most decisions made by the Supreme Court. The course is designed to give students the opportunity to analyze the political and cultural watersheds of the
last sixty years through changing ideas about religion in America as well as debates within and between religious
traditions and communities. This course will also demonstrate how gender, race, and class have shaped the
relationships between religion and politics, and it will examine the persistent tensions between secularism and
religiosity and liberalism and fundamentalism in American culture and politics. Some of the case studies will include
school bussing, civil rights, gender equality, the War in Viet Nam, and building a mosque and culture center at the site
of the World Trade Towers bombed on 9/11. The course emphasizes ethics within the context of public life. It
encourages students to examine the meaning of citizenship, its relationship to moral values. It also teaches students
about the study of religion as a cultural and social process and emphasizes the complex nature of religion as neither
tradition bound, inevitably conservative, nor ahistorical. The class is not a study of comparative religions in America.
Rather, it looks at the ways in which religious traditions have engaged public life, and how religious life developed and
changed in the United States following WWII.

Style: 50% Lecture, 30% Discussion, 20% Small Group Activities.

AmSt 1012 Migrants, Refugees, Citizens, and Exiles: The U.S. on an Immigrant Planet
3 credit(s); Meets CLE req of Civic Life and Ethics
Instructor: Ferguson, Roderick A
Description: This course is designed to offer students a way of understanding the central roles that various migrations
have played in the United States and the larger Americas. It considers how different migrations have been central to
the definition of national identity. The course thus conscientiously departs from traditional narratives of migration that
focus exclusively on European immigrants coming to the United States and fulfilling 'the American dream'. Instead, the
class will examine the ways in which migrations from across the globe are shaped by legal categories and cultural
images that are based on race, class, gender, and sexuality. These migrations in turn transformed American law and
culture. We examine categories such as "migrant," "citizen," "refugee," "exile," "undocumented," "illegal," "asylum
seeker," etc to understand how and to whom these categories are applied. We ask how social processes such as war,
work, or sexuality influence to whom these categories are applied. The course focuses on a number of specific
historical migrations. These migrations include, but are not limited to, the imperial voyage, Chinese migration and
exclusion, the fortification of U.S. borders, Dakota migrations, and contemporary tourism.
Grading: 20% mid exam, 25% final exam, 40% reflection paper, 15% class participation. 4 Short Reaction Papers (2
to 3 pages)
Exam Format: Short answer and Essay

AmSt 2011 The United States since September 11
3 credit(s); Meets CLE req of Civic Life and Ethics; meets CLE req of Historical Perspectives
Instructor: Mahdi, Waleed F.
Description: Student may contact the instructor or department for information.

AmSt 3001 Contemporary Perspectives on Asian America
3 credit(s); Credit will not be granted if credit has been received for: AAS 3001; Meets CLE req of Diversity and
Soc Justice US
Instructor: Fajardo, Kale Bantigue
Description: Where are Asian Americans located locally, regionally, nationally, and globally? Does geographic
location make a difference in how Asian Americans understand and experience their identities and communities? How
do different places and the politics in these places (for example, Asia, U.S. west coast, U.S. Midwest, New York,
Hawaii, Caribbean) affect Asian/Asian American experiences, identities and communities? This course focuses on
different sites in Asian America to better understand the complexity, beauty, and problems of Asian America. Key
questions for the course include: How do Asians/Asian Americans in diverse geographic locations experience,
historicize, politicize, visualize, and/or imagine themselves and their communities in the context of the U.S., Asian
America, and beyond? Who, what, where, when, and how is Asian America? What are the cultural politics of space,
place, and movement in Asian America? How do these issues play out in Minneapolis/Twin Cities? Participants in this
course will seriously explore and engage these questions and themes by reading theory, literature, film, and art and
working on a group research project about an Asian American space, place, or movement in the Twin Cities.
Style: 30% Lecture, 30% Film/Video, 40% Discussion.
Grading: 35% reports/papers, 35% special projects, 30% class participation. Final Project

AmSt 3113W America's Diverse Cultures
3 credit(s); Meets CLE req of Diversity and Soc Justice US; meets CLE req of Writing Intensive
Instructor: Cornell, Akikwe J
Description: Student may contact the instructor or department for information.

AmSt 3117 Latinos in America's Global Cities
3 credit(s); Meets CLE req of Diversity and Soc Justice US; meets CLE req of Social Sciences
Instructor: Topete, Daniel
Description: This course will focus on the ways Latinas/os have and continue to influence global cities in the U.S. A
focus on the dynamic history between Latinas/os and the U.S. will allow for an in depth analysis of a complicated relationship dictated by race, citizenship, and belonging. By focusing on a nuanced and diverse Latina/o identity, we will begin to investigate how global cities are created and ever changing. This class examines the Latino demographic growth and the impact it has on culture and the design of major American cities and its potential for social and political change. The course will begin with conversations on concepts, terms, and themes that will be present throughout the course. This introduction will be used to create an interdisciplinary theoretical grounding for our analysis of Latina/o identity, especially for those students just coming into the field. Then the course will shift focus on how Latinas/os negotiate their identity (gender, cultural, sexual, and ethnic) through specific spaces and how this is reflected in their political, social, and community activism. By centering Latina/o identity, students will be able to grapple with the various social issues including, racism, poverty, sexism and homophobia that affects Latina/o barrios and beyond. Students will be asked to identify and critique one-dimensional understanding of Latina/o identity prevalent in mainstream media, as well as the mechanisms that often lead to racism and criminalization.

AmSt 3252W American Popular Culture and Politics: 1900 to 1940
4 credit(s); Meets CLE req of Civic Life and Ethics; meets CLE req of Historical Perspectives; meets CLE req of Writing Intensive
Instructor: Butler PhD, Pamela Wynne
Description: Student may contact the instructor or department for information.

AmSt 3253W American Popular Culture and Politics: 1940 to the Present
4 credit(s); Meets CLE req of Civic Life and Ethics; meets CLE req of Historical Perspectives; meets CLE req of Writing Intensive
Instructor: STAFF
Description: In this course, we will examine how the United States changed since World War II as a result of domestic and international struggles, exploring the role popular culture played in this transformation. During these years the nation became an international power, altering the ways in which Americans understood their place in the world. A new consumer culture and domestic ideal became linked to American identity and Cold War politics. Within the U.S., challenges to the mainstream took the form of a new counter culture, the assertion of black citizenship, and the rise of feminism, each demanding participation in public life and a redefinition of the hierarchies of the past. In this course, we will look at the ways in which these conflicts at home and abroad have changed the ways Americans think about themselves as citizens and the place of our nation in the world.
Style: To be announced
Grading: Grading will be determined by to be announced instructor

AmSt 3920 Topics in American Studies: Exploring Diversity in Public History
1-5 credit(s), max credits 6;
Instructor: Hoogland, Tim
Description: Student may contact the instructor or department for information.

AmSt 3993 Directed Studies
1-9 credit(s), max credits 9, 1 completion allowed;
Instructor: STAFF
Description: Arrangements must be made with the professor who oversees the project.

AmSt 4101 Gender, Sexuality, and Politics in America
3 credit(s); Meets CLE req of Diversity and Soc Justice US; meets CLE req of Historical Perspectives
Instructor: STAFF
Description: Ways public and private life intersect through the issues of gender, sexuality, family, politics, and public life; ways in which racial, ethnic, and class divisions have been manifest in the political ideologies affecting private life. Class time, workload, grading and exam format are determined by instructors. The focus of each instructor varies with the instructor's expertise.
Style: Will be determined by course instructor
Grading: Will be determined by instructor

AmSt 4301 Workers and Consumers in the Global Economy
3 credit(s); Meets CLE req of Diversity and Soc Justice US
Instructor: Pierce, Jennifer L
Description: This course explores the ways that race, gender, and social class have operated both historically and contemporarily through the nexus of work and consumption to structure inequality in the United States and globally. It begins historically by focusing on the trans-Atlantic slave trade making global connections between England, Africa, and the colony of Virginia. Here, slavery as institution is introduced to complicate the notion that work and consumption are separate realms by underscoring the ways that the 'chattel principle' renders slaves at once workers
and commodities. From the eighteenth century, the course fast forwards in time to the late twentieth century introducing new dimensions of the global economy. At the same time, it also focuses on continuities with the older global economy including labor migration and the growing inequality between the Global North and Global South. Focusing on feminized migration streams from Mexico, the Philippines, and the Caribbean, we explore the experiences of women from these countries who come to the United States to work for middle-class families as nannies and maids as well as in low level jobs in hotels, restaurants, and other areas of the growing service economy. The following section considers impact of globalization on women and work in other nations. For example, what are the social and economic consequences of Filipino mothers working in the U.S. for their families back in the Philippines? Throughout, the course we examine how consumption is closely linked to work, whether in the case of service work being purchased as a commodity, though analytic models such as commodity chains, consumer culture that contributes to overwork, or workplace practices that encourage consumption.

**Style:** 50% Lecture, 50% Discussion. class presentations
**Grading:** 40% mid exam, 50% final exam, 10% in-class presentation.

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**AmSt 4962W Second Proseminar in American Studies**
- 3 credit(s);
- Meets CLE req of Writing Intensive
- Instructor: Karjanen, David J
- **Description:** Student may contact the instructor or department for information.

**AmSt 8202 Theoretical Foundations and Current Practice in American Studies**
- 3 credit(s);
- Instructor: Ferguson, Roderick A
- **Description:** Student may contact the instructor or department for information.

**AmSt 8401 Practicum in American Studies**
- S-N only, 3 credit(s);
- Instructor: Castellanos, Bianet
- **Description:** Student may contact the instructor or department for information.

**AmSt 8920 Topics in American Studies**
- 3-4 credit(s), max credits 12, 3 completions allowed;
- Instructor: Pierce, Jennifer L
- **Description:** Student may contact the instructor or department for information.

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**Anatomy 6-125 Jackson Hall**

**ANAT 3601 Principles of Human Anatomy**
- 3 credit(s);
- [BIOL 1002 or BIOL 1009 or BIOL 2002 or equiv], [Concurrent registration is required (or allowed) in 3602 or Concurrent registration is required (or allowed) in 3612], at least soph credit will not be granted if credit received for: Anat 3001/Anat 3301/Anat 3611/INMD 3001/INMD 3301Credit will not be granted if credit has been received for: ANAT 3001;
- Instructor: Weinhaus PhD, Anthony James
- **Description:** Anatomical relationships. Function based upon form. Clinical applications. Gross (macroscopic) anatomy, histology (microscopic anatomy). Neuroanatomy (nervous system), embryology (developmental anatomy). This course has been renamed from ANAT 3001. (It is advised that students take Principles of Human Anatomy laboratory with this lecture). Prerequisites are: at least sophomore status, and completion of Biol 1001/1002 or 1009 (or equivalent).
- **Style:** 100% Lecture.
- **Grading:** 8% quizzes, 92% additional semester exams.

**ANAT 3602 Principles of Human Anatomy Laboratory**
- 2 credit(s);
- 3001 or 3301 or INMD 3001 or 3301 or Concurrent registration is required (or allowed) in 3601 or Concurrent registration is required (or allowed) in 3611 To register for lab concurrently with lecture, students must successfully register for lecture first. credit will not be granted if credit received for: Anat 3002/Anat 3302/Anat 3612/INMD 3002/INMD 3302Credit will not be granted if credit has been received for: ANAT 3612;
Instructor: Weinhaus PhD, Anthony James
Description: Cadaveric examination of Human Anatomy, including: Gross (macroscopic) anatomy, histology (microscopic anatomy), Neuroanatomy (nervous system), and embryology (developmental anatomy). This course has been renamed from ANAT 3002. ANAT 3602 and 3612 are identical. (This lab is designed to supplement the Lecture course (Principles of Human Anatomy). Prerequisites are: Concurrent registration or previous completion of ANAT 3601/3611 or ANAT 3001/3301; AND at least sophomore status: AND completion of Biol 1001/1002 or 1009 (or equivalent).
Style: 100% Laboratory.
Grading: 100% additional semester exams. A total of 12% extra-credit is available

ANAT 3608H Principles of Human Anatomy Laboratory for Honors Students
A-F only, 3 credit(s);
Instructor: Weinhaus PhD, Anthony James
Description: Student may contact the instructor or department for information.

ANAT 3608H Principles of Human Anatomy Laboratory for Honors Students
A-F only, 3 credit(s);
Instructor: Cook, Mark S.
Description: Student may contact the instructor or department for information.

ANAT 3611 Principles of Human Anatomy
3 credit(s); [BIOL 1002 or BIOL 1009 or BIOL 2002 or equiv], at least soph; [Concurrent registration is required (or allowed) in 3602 or Concurrent registration is required (or allowed) in 3612] recommended credit will not be granted if credit received for: Anat 3001/Anat3301/Anat 3601/INMD 3001/INMD 3301 Credit will not be granted if credit has been received for: ANAT 3001;
Instructor: Weinhaus PhD, Anthony James
Description: Anatomical relationships. Function based upon form. Clinical applications. Gross (macroscopic) anatomy, histology (microscopic anatomy), Neuroanatomy (nervous system), embryology (developmental anatomy). This course has been renamed from ANAT 3301. This course is identical to ANAT 3601. (It is advised that students take Principles of Human Anatomy laboratory with this lecture). Prerequisites are: at least sophomore status, and completion of Biol 1001/1002 or 1009 (or equivalent). Lecture for spring of 2010 will be in PWB 2-470
Style: 100% Lecture.
Grading: 8% quizzes, 92% additional semester exams.
Exam Format: Multiple choice

ANAT 3612 Principles of Human Anatomy Laboratory
2 credit(s); 3001 or 3301 or INMD 3001 or 3301 or Concurrent registration is required (or allowed) in 3601 or Concurrent registration is required (or allowed) in 3611 To register for lab concurrently with lecture, students must successfully register for lecture first. credit will not be granted if credit received for: Anat 3002/Anat 3302/Anat 3602/INMD 3002/INMD 3302 Credit will not be granted if credit has been received for: ANAT 3602;
Instructor: Weinhaus PhD, Anthony James
Description: Cadaveric examination of Human Anatomy, including: Gross (macroscopic) anatomy, histology (microscopic anatomy), Neuroanatomy (nervous system), and embryology (developmental anatomy). This course has been renamed from ANAT 3302. ANAT 3602 and 3612 are identical. (This lab is designed to supplement the Lecture course (Principles of Human Anatomy). Prerequisites are: Concurrent registration or previous completion of ANAT 3601/3611 or ANAT 3001/3301; AND at least sophomore status: AND completion of Biol 1001/1002 or 1009 (or equivalent).
Style: 100% Laboratory.
Grading: 100% additional semester exams. A total of 12% extra-credit is available

ANAT 4900 Directed Studies in Anatomy
S-N only, 1-6 credit(s), max credits 18, 3 completions allowed;
Instructor: Weinhaus PhD, Anthony James
Description: Student may contact the instructor or department for information.

Animal Science 305 Haecker Hall

AnSc 1101 Introductory Animal Science
4 credit(s);
Instructor: Seykora, Anthony James
Description: Introduction to animal science with emphasis on fundamental concepts of physiology, nutrition, animal breeding and management as they apply to production systems of livestock, poultry, and companion animals.
AnSc 1403 Companion Animal Nutrition and Care
3 credit(s);
Instructor: Stern, Marshall D
Description: This course is designed for individuals having no prior training with animals or nutrition, but have an interest in caring for and understanding the contemporary importance of companion animals. Emphasis will be on nutrition of healthy animals and the various factors that play a role in feeding an animal adequately, including animal behavior, environmental conditions, food type and availability. The course will emphasize basic principles of nutrition and one of the goals will be to make the student aware of their own nutrition, as these principles apply to humans also. Other course goals will be to have the student be a responsible pet owner and enhance their appreciation of companion animals. The target audience of this course is all undergraduate students interested in companion animals and their nutrition and care. The course will focus on companion animals, but not exclusively dogs and cats.
Style: 100% Lecture.
Grading: 100% other evaluation. Each of the 3 exams worth 33% each.

AnSc 2012 Livestock and Carcass Evaluation
3 credit(s);
Instructor: Rozeboom, Kyle James
Description: Student may contact the instructor or department for information.

AnSc 3007 Equine Nutrition
3 credit(s);
Instructor: Hathaway, Marcia
Description: This course will include the basic principles of nutrition with emphasis on the unique aspects of equine nutrition. Emphasis will be on nutritional needs of healthy animals as well as the various factors that play a role in feeding an animal adequately. These factors include animal behavior, growth and development, physiological status, environmental conditions, food type and availability. The course will focus on developing an understanding of how the physiology of the horse's gastrointestinal tract, the utilization of feedstuffs and the horse's nutritional requirements interrelate. Students will learn how to formulate balanced rations and avoid nutritional related ailments. Students will learn how to seek and interpret information so they can make decisions on important issues such as pasture management, forage selection and the use of dietary feed additives and enhancers. Course Objectives: As a result of taking this course, students will be able to: 1. develop or enhance their appreciation of the nutritional requirements of the horse. 2. recognize the rationale behind the change in nutritional requirements of horses at different stages of development and under different physiological demands change. 3. become familiar with the physiology of the equine gastrointestinal tract. 4. understand the basic management skills that are required for the proper feeding of horses to avoid nutritional based ailments.
Style: 75% Lecture, 25% Discussion.
Grading: 50% mid exam, 20% final exam, 10% laboratory evaluation, 20% problem solving.
Exam Format: short answer

AnSc 3011 Statistics for Animal Science
4 credit(s); Credit will not be granted if credit has been received for: STAT 3011;
Instructor: Raeth-Knight, Mary Louise
Description: The purpose of this course is to introduce students to statistics and statistical techniques and to develop students’ statistical reasoning and critical thinking skills. Topics include descriptive statistics, probability, sampling and sampling distributions, hypothesis testing, experimental design, linear correlation, linear regression and multiple linear regression. Students will learn how to make sound arguments and decisions based on statistics when reviewing news articles or scientific publications with statistical content. In addition, in lab sessions, students will learn how to explore and draw conclusions from data using a basic statistical software package.

AnSc 3141 Advanced Dairy Judging
1 credit(s);
Instructor: Hansen, Leslie Bennett
Description: Especially for students interested in competing with the intercollegiate dairy cattle judging team. A weekly class of four dairy cows will be selected for which oral reasons will be prepared. The one set of reasons each week will be presented numerous times to improve technique.
Style: 100% Discussion.
Grading: 100% in-class presentation.
AnSc 3203W Environment, Global Food Production, and the Citizen
3 credit(s); Credit will not be granted if credit has been received for: AGRO 3203W; Meets CLE req of Global Perspectives; meets CLE req of Writing Intensive
Instructor: Porter, Paul M
Description: Sustainable production of food is crucial to human survival. Different agricultural ecosystems have developed around the world that are influenced by and have an impact on the environment. This Course examines how the environment constrains the capacity to produce food and the impact of agriculture on the environment from a Global Perspective. Topics include human population growth and hunger, ecological properties of agricultural ecosystems, issues of biodiversity, natural resource conservation, pollution, water and waste management. The course is Writing Intensive and utilizes the Active Learning Classroom to provide a group learning environment. The course utilizes decision cases, discussions, writing and readings to enable you to reflect upon global perspectives of compelling contemporary and historical issues in the regions of Africa, Asia and the European Union involving sustainability and to engage in ethical debate about global food production with respect to environmental, societal and economic perspectives. Students with no prior exposure to agriculture are encouraged to enroll. An introductory knowledge of biological concepts would be helpful.
Style: 35% Lecture, 35% Discussion, 20% Small Group Activities. Active Learning classroom, decision cases, group work
Grading: 20% mid exam, 20% final exam, 40% reports/papers, 20% class participation.
Exam Format: short essay and multiple choice

AnSc 3203W Environment, Global Food Production, and the Citizen
3 credit(s); Credit will not be granted if credit has been received for: AGRO 3203W; Meets CLE req of Global Perspectives; meets CLE req of Writing Intensive
Instructor: Raeth-Knight, Mary Louise
Description: Sustainable production of food is crucial to human survival. Different agricultural ecosystems have developed around the world that are influenced by and have an impact on the environment. This Course examines how the environment constrains the capacity to produce food and the impact of agriculture on the environment from a Global Perspective. Topics include human population growth and hunger, ecological properties of agricultural ecosystems, issues of biodiversity, natural resource conservation, pollution, water and waste management. The course is Writing Intensive and utilizes the Active Learning Classroom to provide a group learning environment. The course utilizes decision cases, discussions, writing and readings to enable you to reflect upon global perspectives of compelling contemporary and historical issues in the regions of Africa, Asia and the European Union involving sustainability and to engage in ethical debate about global food production with respect to environmental, societal and economic perspectives. Students with no prior exposure to agriculture are encouraged to enroll. An introductory knowledge of biological concepts would be helpful.
Style: 35% Lecture, 35% Discussion, 20% Small Group Activities. Active Learning classroom, decision cases, group work
Grading: 20% mid exam, 20% final exam, 40% reports/papers, 20% class participation.
Exam Format: short essay and multiple choice

AnSc 3301 Human and Animal Physiology
3 credit(s);
Instructor: Palmer PhD, Melissa L
Description: Student may contact the instructor or department for information.

AnSc 3302 Human and Animal Physiology Laboratory
1 credit(s);
Instructor: Palmer PhD, Melissa L
Description: Student may contact the instructor or department for information.

AnSc 3307 Artificial Insemination Techniques
S-N only, 1 credit(s);
Instructor: Seykora, Anthony James
Description: Hands-on training and techniques of artificial insemination in cattle at an off-campus laboratory setting. Proper techniques of AI and semen handling, and criteria for selection of bulls.

AnSc 3509 Animal Biotechnology
3 credit(s);
Instructor: Palmer PhD, Melissa L
Description: Student may contact the instructor or department for information.

AnSc 4009W Undergraduate Research Thesis
A-F only, 1-6 credit(s), max credits 12, 12 completions allowed; Meets CLE req of Writing Intensive
Instructor: STAFF
Description: Student may contact the instructor or department for information.

AnSc 4011 Dairy Cattle Genetics
3 credit(s);
Instructor: Hansen, Leslie Bennett
Description: This course is very applied in nature. Some problem solving assignments may be hypothetical, but in most cases, real circumstances are discussed. Much class time is devoted to discussion. The course has been popular with international students in the MAST program. Because dairy cattle genetics from the US has had a major impact on dairy cattle worldwide, the international flavor of discussions is very appropriate. There is some straight lecture, but this is usually sprinkled with questions that are followed by discussion. The instructor attempts to have students address questions that are raised and jointly arrive at a solution. Quantitative genetic principles are the primary focus, with rates of genetic improvement and systems of breeding emphasized.
Style: 35% Lecture, 40% Discussion, 25% Laboratory.
Grading: 20% mid exam, 20% final exam, 30% special projects, 30% problem solving.
Exam Format: Short answer, essay

AnSc 4096 Professional Experience Program: Internship
A-F only, 1-3 credit(s), max credits 6, 4 completions allowed;
Instructor: Hansen, Leslie Bennett
Description: Student may contact the instructor or department for information.

AnSc 4096 Professional Experience Program: Internship
A-F only, 1-3 credit(s), max credits 6, 4 completions allowed;
Instructor: Seykora, Anthony James
Description: Student may contact the instructor or department for information.

AnSc 4096 Professional Experience Program: Internship
A-F only, 1-3 credit(s), max credits 6, 4 completions allowed;
Instructor: Shurson, Gerald C
Description: Student may contact the instructor or department for information.

AnSc 4096 Professional Experience Program: Internship
A-F only, 1-3 credit(s), max credits 6, 4 completions allowed;
Instructor: Mauro PhD, Laura J.
Description: Student may contact the instructor or department for information.

AnSc 4096 Professional Experience Program: Internship
A-F only, 1-3 credit(s), max credits 6, 4 completions allowed;
Instructor: Hathaway, Marcia
Description: Student may contact the instructor or department for information.

AnSc 4096 Professional Experience Program: Internship
A-F only, 1-3 credit(s), max credits 6, 4 completions allowed;
Instructor: Rozeboom, Kyle James
Description: Student may contact the instructor or department for information.

AnSc 4096 Professional Experience Program: Internship
A-F only, 1-3 credit(s), max credits 6, 4 completions allowed;
Instructor: Palmer PhD, Melissa L
Description: Student may contact the instructor or department for information.

AnSc 4096 Professional Experience Program: Internship
A-F only, 1-3 credit(s), max credits 6, 4 completions allowed;
Instructor: Raeth-Knight, Mary Louise
Description: Student may contact the instructor or department for information.

AnSc 4096 Professional Experience Program: Internship
A-F only, 1-3 credit(s), max credits 6, 4 completions allowed;
AnSc 4096 Professional Experience Program: Internship
A-F only, 1-3 credit(s), max credits 6, 4 completions allowed;
Instructor: Stern, Marshall D
Description: Student may contact the instructor or department for information.

AnSc 4096 Professional Experience Program: Internship
A-F only, 1-3 credit(s), max credits 6, 4 completions allowed;
Instructor: Ponce de Leon, F. Abel
Description: Student may contact the instructor or department for information.

AnSc 4096 Professional Experience Program: Internship
A-F only, 1-3 credit(s), max credits 6, 4 completions allowed;
Instructor: O’Grady PhD, Scott M
Description: Student may contact the instructor or department for information.

AnSc 4096 Professional Experience Program: Internship
A-F only, 1-3 credit(s), max credits 6, 4 completions allowed;
Instructor: Dayton, William R
Description: Student may contact the instructor or department for information.

AnSc 4096 Professional Experience Program: Internship
A-F only, 1-3 credit(s), max credits 6, 4 completions allowed;
Instructor: Elhalawani PhD, M E
Description: Student may contact the instructor or department for information.

AnSc 4099 Special Workshop in Animal Science
1-4 credit(s), max credits 24, 6 completions allowed;
Instructor: Seykora, Anthony James
Description: Student may contact the instructor or department for information.

AnSc 4099 Special Workshop in Animal Science
1-4 credit(s), max credits 24, 6 completions allowed;
Instructor: Seykora, Anthony James
Description: Student may contact the instructor or department for information.

AnSc 4305 Companion & Wild Species Reproduction
A-F only, 2 credit(s);
Instructor: Mauro PhD, Laura J.
Description: Student may contact the instructor or department for information.

AnSc 4403 Ruminant Nutrition
3 credit(s);
Instructor: Stern, Marshall D
Description: This course involves lectures and laboratory to focus on nutrient requirements of ruminants, physiology of digestion in ruminants, nutrient content of feedstuffs, primarily forages; energy utilization, protein and nonprotein nitrogen utilization; nutritional disorders; and formulation of adequate rations. Student objectives are to: 1) understand the processes of digestion and the utilization of nutrients by ruminants, 2) understand the systems used to describe nutrient requirements of ruminants, 3) be able to formulate adequate rations for maintenance and production, and 4) have a general knowledge of nutritional disorders and deficiencies. The target audience of this class is undergraduate/graduate students with an interest in nutrition of the ruminant species.
Style: 100% Lecture.
Grading: 10% quizzes, 10% class participation, 80% other evaluation. exams
Exam Format: fill-in-the-blanks, definitions, true/false, matching

AnSc 4602 Sheep Production Systems Management
4 credit(s);
Instructor: Rozeboom, Kyle James
**Anthropology**

**Anth 1001 Human Evolution**
4 credit(s); Meets CLE req of Biological Sciences
*Instructor:* Tappen, Martha
*Description:* Humans are unique in the animal world. In this class, we will take a journey through time to examine the evolution of humans, and how natural selection - the same process that gives the butterfly its wings, the horse its speed, and the worm its wiggle - also shapes our own anatomy and behavior. Our goal is to reconstruct the evolutionary history of our lineage, and the anatomy and behavior of our ancestors. The first half of the course is based firmly in the present, and will give you a strong background in evolutionary theory: Natural Selection, basic genetics, principles of behavioral biology and the comparative anatomy of living organism (primarily monkeys and apes). In the second half of the course we will attempt to reconstruct the ecology, diet, anatomy, locomotion and even the social behavior of the hominids (human ancestors) using the evolutionary principles learned in the first half of the course. Among the "big questions in human evolution," that we will address are: What were the earliest hominids, the australopithecines, like? How did climate change affect macro- and micro-evolutionary patterns? How does tool use and culture feed back upon our bodies? How far back in time does modern human behavior date, and what is the evidence for it? When and where did our species, Homo sapiens, in its modern form, originate?
*Style:* 50% Lecture, 50% Laboratory.
*Grading:* 45% mid exam, 20% final exam, 5% reports/papers, 30% laboratory evaluation.
*Exam Format:* Multiple choice
genetics, principles of behavioral biology and the comparative anatomy of living organism (primarily monkeys and apes). In the second half of the course we will attempt to reconstruct the ecology, diet, anatomy, locomotion and even the social behavior of the hominids (human ancestors) using the evolutionary principles learned in the first half of the course. Among the &quot;big questions in human evolution&quot; that we will address are: What were the earliest hominids, the australopithecines, like? How did climate change affect macro-and micro-evolutionary patterns? How does tool use and culture feed back upon our bodies? How far back in time does modern human behavior date, and what is the evidence for it? When and where did our species, Homo sapiens, in its modern form, originate?

**Style:** 50% Lecture, 50% Laboratory.

**Grading:** 45% mid exam, 20% final exam, 5% reports/papers, 30% laboratory evaluation.

**Exam Format:** Multiple choice

**Anth 1001 Human Evolution**
- 4 credit(s)
- Meets CLE req of Biological Sciences
- Instructor: Armstrong, Aaron J
- **Description:** Student may contact the instructor or department for information.

**Anth 1003V Understanding Cultures: Honors**
- A-F only, 4 credit(s)
- Meets CLE req of Global Perspectives; meets CLE req of Social Sciences; meets CLE req of Writing Intensive
- Instructor: Lipset, David M
- **Description:** This course is an introduction to cultural anthropology for undergraduate majors and non-majors. The course develops a concept of culture and illustrates it through comparative study of societies throughout the world. Topics include research methods, adaptive strategies; exchange processes; kinship, marriage and gender, social stratification; politics; religion and ritual; globalization and processes of change. The course is offered in a hybrid format. Weekly lectures will be viewed online. Students will also be required to contribute to weekly online discussion forums and download active learning assignments to turn in during sections. Exams will also be taken online. Students will also be required to attend live, classroom-based sections once a week.

**Anth 1003W Understanding Cultures**
- 4 credit(s)
- Meets CLE req of Global Perspectives; meets CLE req of Social Sciences; meets CLE req of Writing Intensive
- Instructor: Lipset, David M
- **Description:** This course is an introduction to cultural anthropology for undergraduate majors and non-majors. The course develops a concept of culture and illustrates it through comparative study of societies throughout the world. Topics include research methods, adaptive strategies; exchange processes; kinship, marriage and gender, social stratification; politics; religion and ritual; globalization and processes of change. The course is offered in a hybrid format. Weekly lectures will be viewed online. Students will also be required to contribute to weekly online discussion forums and download active learning assignments to turn in during sections. Exams will also be taken online. Students will also be required to attend live, classroom-based sections once a week.

**Anth 1003W Understanding Cultures**
- 4 credit(s)
- Meets CLE req of Global Perspectives; meets CLE req of Social Sciences; meets CLE req of Writing Intensive
- Instructor: Oleary, Heather Elaine
- **Description:** Student may contact the instructor or department for information.

**Anth 1904 Freshman Seminar: Learning Anthropology Through Science Fiction**
- A-F only, 3 credit(s)
- Meets CLE req of Global Perspectives
- Instructor: Tostevin, Gilbert B
- **Description:** Student may contact the instructor or department for information.

**Anth 3002 Sex, Evolution, and Behavior: Examining Human Evolutionary Biology**
- A-F only, 4 credit(s)
- Credit will not be granted if credit has been received for: EEB 3002
- Instructor: Garrett, Niki
- **Description:** Student may contact the instructor or department for information.

**Anth 3003 Cultural Anthropology**
- 3 credit(s)
- Credit will not be granted if credit has been received for: GLOS 3003
- Instructor: Song, Hoon
- **Description:** Student may contact the instructor or department for information.
Anth 3009 Rise of Civilization
3 credit(s); Credit will not be granted if credit has been received for: HIST 3066; Meets CLE req of Historical Perspectives
Instructor: Wells, Peter S
Description: Examines the development of complex societies, from early hunter-gatherer groups through settled agricultural villages, to the rise of towns and cities. Comparison of processes of change in ten regions of the world. Intended for all undergraduates.
Style: 95% Lecture, 5% Discussion.
Grading: 45% mid exam, 35% final exam, 20% reports/papers.
Exam Format: multiple choice, essay

Anth 3015W Biology, Evolution, and cultural Development of Language
3 credit(s); Credit will not be granted if credit has been received for: ANTH 5015W; Meets CLE req of Social Sciences; meets CLE req of Writing Intensive
Instructor: Meyer, Nathan Edward
Description: Student may contact the instructor or department for information.

Anth 3021W Anthropology of the Middle East
A-F only, 3 credit(s); Credit will not be granted if credit has been received for: ANTH 5021W; Meets CLE req of Global Perspectives; meets CLE req of Social Sciences; meets CLE req of Writing Intensive
Instructor: Altun, Murat
Description: Student may contact the instructor or department for information.

Anth 3022W Anthropology of Dreaming and Myth
A-F only, 3 credit(s); Meets CLE req of Writing Intensive
Instructor: Phillips, Leonore Amalia
Description: Student may contact the instructor or department for information.

Anth 3034 Roots Music in American Culture and Society
3 credit(s);
Instructor: Raheja, Gloria Goodwin
Description: Student may contact the instructor or department for information.

Anth 3036 The Body in Society
3 credit(s);
Instructor: Lipset, David M
Description: Since the beginnings of modern social theory, the body has been viewed as one of the main vehicles through which the person positions him- or herself in society and, vice versa, through which society imprints itself upon the person. Durkheim developed the view that the body is a category by which society represents itself and a mode of action society may direct, shape, channel, etc. Starting with a thorough discussion of the Durkheimian view of the body, this first half of this course will examine subsequent analyses that he inspired: of body-related practices found in the contexts of birth, etiquette, feet, taste in dress, hair, cosmetics, face-to-face interaction, in the anthropology of death and pollution and in the nation-state. In the second half of the course, the focus will shift to modernist and postmodern as well as globalized studies of masculinity and femininity, suicide bombing, the virtual body, organ traffic, etc.. In both sections this course will be thoroughly comparativist; it will draw on monographs, selected articles, documentary videos, Hollywood and Independent movies.
Style: 60% Lecture, 30% Film/Video, 10% Small Group Activities.
Grading: 50% mid exam, 30% final exam, 20% class participation. Class participation based in active learning exercises. Exam Study guides passed out prior to exam.
Exam Format: Multiple choice and essay.

Anth 3306W Medical Anthropology
A-F only, 3 credit(s); Meets CLE req of Global Perspectives; meets CLE req of Writing Intensive
Instructor: Shiva, Amirpouyan
Description: Student may contact the instructor or department for information.

Anth 3405 Human Skeletal Analysis
A-F only, 3 credit(s); 1001 or instr consent Credit will not be granted if credit has been received for: ANTH 5405;
Instructor: Slepkov, Rebecca
Description: Student may contact the instructor or department for information.
Anth 3913 Senior Project Planning
A-F only, 1 credit(s);
Instructor: Wells, Peter S
Description: Student may contact the instructor or department for information.

Anth 3913 Senior Project Planning
A-F only, 1 credit(s);
Instructor: Raheja, Gloria Goodwin
Description: Student may contact the instructor or department for information.

Anth 3913 Senior Project Planning
A-F only, 1 credit(s);
Instructor: Gudeman, Stephen Frederick
Description: Student may contact the instructor or department for information.

Anth 3913 Senior Project Planning
A-F only, 1 credit(s);
Instructor: Tappen, Martha
Description: Student may contact the instructor or department for information.

Anth 3913 Senior Project Planning
A-F only, 1 credit(s);
Instructor: Lipset, David M
Description: Student may contact the instructor or department for information.

Anth 3913 Senior Project Planning
A-F only, 1 credit(s);
Instructor: Langford, Jean M
Description: Student may contact the instructor or department for information.

Anth 3913 Senior Project Planning
A-F only, 1 credit(s);
Instructor: Taussig, Karen Sue
Description: Student may contact the instructor or department for information.

Anth 3913 Senior Project Planning
A-F only, 1 credit(s);
Instructor: Tostevin, Gilbert B
Description: Student may contact the instructor or department for information.

Anth 3913 Senior Project Planning
A-F only, 1 credit(s);
Instructor: Wilson, Michael Lawrence
Description: Student may contact the instructor or department for information.

Anth 3913 Senior Project Planning
A-F only, 1 credit(s);
Instructor: Monnier, Gilliane F
Description: Student may contact the instructor or department for information.

Anth 3913 Senior Project Planning
A-F only, 1 credit(s);
Instructor: Ho, Karen
Description: Student may contact the instructor or department for information.

Anth 3913 Senior Project Planning
A-F only, 1 credit(s);
Instructor: Valentine, David
Description: Student may contact the instructor or department for information.
Anth 3913 Senior Project Planning
A-F only, 1 credit(s);
Instructor: McLean, Stuart J
Description: Student may contact the instructor or department for information.

Anth 3913 Senior Project Planning
A-F only, 1 credit(s);
Instructor: Song, Hoon
Description: Student may contact the instructor or department for information.

Anth 3913 Senior Project Planning
A-F only, 1 credit(s);
Instructor: Beeman, William O
Description: Student may contact the instructor or department for information.

Anth 3913 Senior Project Planning
A-F only, 1 credit(s);
Instructor: McNulty, Kieran P
Description: Student may contact the instructor or department for information.

Anth 3913 Senior Project Planning
A-F only, 1 credit(s);
Instructor: Hayes, Katherine F H
Description: Student may contact the instructor or department for information.

Anth 4007 Laboratory Techniques in Archaeology
1-4 credit(s), max credits 12, 3 completions allowed;
Instructor: Edling, Matt John
Description: Student may contact the instructor or department for information.

Anth 4013 Senior Project
3 credit(s);
Instructor: Wells, Peter S
Description: Student may contact the instructor or department for information.

Anth 4013 Senior Project
3 credit(s);
Instructor: Raheja, Gloria Goodwin
Description: Student may contact the instructor or department for information.

Anth 4013 Senior Project
3 credit(s);
Instructor: Gudeman, Stephen Frederick
Description: Student may contact the instructor or department for information.

Anth 4013 Senior Project
3 credit(s);
Instructor: Tappen, Martha
Description: Student may contact the instructor or department for information.

Anth 4013 Senior Project
3 credit(s);
Instructor: Lipset, David M
Description: Student may contact the instructor or department for information.

Anth 4013 Senior Project
3 credit(s);
Instructor: Langford, Jean M
Description: Student may contact the instructor or department for information.
Anth 4013 Senior Project
3 credit(s);
Instructor: Taussig, Karen-Sue
Description: Student may contact the instructor or department for information.

Anth 4013 Senior Project
3 credit(s);
Instructor: Tostevin, Gilbert B
Description: Student may contact the instructor or department for information.

Anth 4013 Senior Project
3 credit(s);
Instructor: Wilson, Michael Lawrence
Description: Student may contact the instructor or department for information.

Anth 4013 Senior Project
3 credit(s);
Instructor: Monnier, Gilliane F
Description: Student may contact the instructor or department for information.

Anth 4013 Senior Project
3 credit(s);
Instructor: Ho, Karen
Description: Student may contact the instructor or department for information.

Anth 4013 Senior Project
3 credit(s);
Instructor: Valentine, David
Description: Student may contact the instructor or department for information.

Anth 4013 Senior Project
3 credit(s);
Instructor: McLean, Stuart J
Description: Student may contact the instructor or department for information.

Anth 4013 Senior Project
3 credit(s);
Instructor: Song, Hoon
Description: Student may contact the instructor or department for information.

Anth 4013 Senior Project
3 credit(s);
Instructor: McNulty, Kieran P
Description: Student may contact the instructor or department for information.

Anth 4013H Senior Honors Thesis Project
A-F only, 3 credit(s);
Instructor: Valentine, David
Description: Student may contact the instructor or department for information.

Anth 4013H Senior Honors Thesis Project
A-F only, 3 credit(s);
Instructor: McNulty, Kieran P
Description: Student may contact the instructor or department for information.
Anth 4071 Race, Culture, and Vision
A-F only, 3 credit(s);
Instructor: Song,Hoon
Description: What do we see when we look at a photograph, a painting, or someone's face? How do we come to understand that vision is a source of evidence for what the world or a person is like? How do past experiences with objects, people, and language shape our understanding of what it means 'to see' something? In short, how do the particular societies and cultures in which we live shape how we come 'to see' the world and people around us? In this class we will explore how culture shapes the ways in which people see the world. We will begin by examining some of the historical practices, technologies, and beliefs that have determined how Western European societies and cultures have come to value vision as the most 'noble' of the senses. We will then examine how 'race' as a visual evidence came to its prominence as a way of categorizing people. The course concludes by exploring how some non-European societies think about the senses, and how the use of visual images as forms of evidence varies cross-culturally. How, then, would 'race' fair as an evidential category in the non-European cultures?
Style: 70% Lecture, 30% Discussion.
Grading: 20% mid exam, 30% reports/papers, 20% in-class presentation, 30% class participation.
Exam Format: Short answer and essays

Anth 4101 Archival Analysis for Anthropologists
3 credit(s);
Instructor: Hayes,Katherine F H
Description: Spring 2014: This course offers students the opportunity to learn the methods of archival research, especially for addressing questions of anthropological significance: for example, how has cultural difference, especially ethnicity, been experienced, publicly perceived, or made the subject of legal and structural inequalities? How has gender ideology been impacted by changing roles in society for women? How is race conceptualized in historical discourses? In the spring of 2014, this course will focus on issues of immigration, ethnicity, religion, class, constructed space and domestic life through the intensive investigation of the Bohemian Flats and other contemporaneous river-front immigrant neighborhoods in Minneapolis and St Paul. From the urban and industrial development of the Twin Cities in the later 19th century through the mid-20th century, waves of immigrants have been housed in marginal neighborhoods adjacent to the Mississippi River. These areas were less than ideal places to live, lacking in adequate infrastructure and routinely flooded. What was life like in these neighborhoods? How were the immigrants there perceived, especially in terms of ethnicity? How did they create their own sense of community? Where did they work? Where did they or their descendants move on to? And how can learning about their experience change the way we think about immigrants today? Students in this class will learn to utilize local archival resources to investigate these questions, while also learning factors to consider in archives and particular types of documentary remains which impact interpretations. Your work will be developed into publicly accessible interpretations, like exhibit panels, web pages, interactive maps, or walking tours, to be presented in an open event at the end of the semester.

Anth 4991 Independent Study
1-6 credit(s), max credits 6, 1 completion allowed;
Instructor: Wells,Peter S
Description: Student may contact the instructor or department for information.

Anth 4991 Independent Study
1-6 credit(s), max credits 6, 1 completion allowed;
Instructor: Raheja,Gloria Goodwin
Description: Student may contact the instructor or department for information.

Anth 4991 Independent Study
1-6 credit(s), max credits 6, 1 completion allowed;
Instructor: Gudeman,Stephen Frederick
Description: Student may contact the instructor or department for information.

Anth 4991 Independent Study
1-6 credit(s), max credits 6, 1 completion allowed;
Instructor: Tappen,Martha
Description: Student may contact the instructor or department for information.

Anth 4991 Independent Study
1-6 credit(s), max credits 6, 1 completion allowed;
Instructor: Lipset,David M
Description: Student may contact the instructor or department for information.
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Anth 4992 Directed Readings
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Instructor: Wells, Peter S
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Instructor: McNulty, Kieran P
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Anth 4994W Directed Research
1-6 credit(s), max credits 6, 1 completion allowed; Meets CLE req of Writing Intensive
Instructor: Wells, Peter S
Description: Student may contact the instructor or department for information.

Anth 4994W Directed Research
1-6 credit(s), max credits 6, 1 completion allowed; Meets CLE req of Writing Intensive
Instructor: Raheja, Gloria Goodwin
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Anth 4994W Directed Research
1-6 credit(s), max credits 6, 1 completion allowed; Meets CLE req of Writing Intensive
Instructor: Gudeman, Stephen Frederick
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Instructor: Beeman, William O
Description: Student may contact the instructor or department for information.

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1-6 credit(s), max credits 6, 1 completion allowed; Meets CLE req of Writing Intensive
Instructor: McNulty, Kieran P
Description: Student may contact the instructor or department for information.

Anth 4994W Directed Research
1-6 credit(s), max credits 6, 1 completion allowed; Meets CLE req of Writing Intensive
Instructor: Hayes, Katherine F H
Description: Student may contact the instructor or department for information.

Anth 5015W Biology, Evolution, and Cultural Development of Language
3 credit(s); Credit will not be granted if credit has been received for: ANTH 3015W; Meets CLE req of Social Sciences; meets CLE req of Writing Intensive
Instructor: Meyer, Nathan Edward
Description: Student may contact the instructor or department for information.

Anth 5021W Anthropology of the Middle East
3 credit(s); Credit will not be granted if credit has been received for: ANTH 3021W; Meets CLE req of Global Perspectives; meets CLE req of Social Sciences; meets CLE req of Writing Intensive
Instructor: Altun, Murat
Description: Student may contact the instructor or department for information.

Anth 5113 Primate Evolution
A-F only, 3 credit(s); Anthropology major, junior or senior Credit will not be granted if credit has been received for: ANTH 8113;
Instructor: McNulty, Kieran P
Description: Student may contact the instructor or department for information.

Anth 5128 Anthropology of Education
3 credit(s); Credit will not be granted if credit has been received for: OLPD 5128;
Instructor: Demerath, Peter
Description: Student may contact the instructor or department for information.

Anth 5244 Interpreting Ancient Bone
A-F only, 4 credit(s); 1001 Credit will not be granted if credit has been received for: ANTH 8244;
Instructor: Tappen, Martha
Description: This seminar designed to provide a venue for reviewing current and classic literature on interpreting the fossil and archaeo
genetic records using information from bones of humans and of other animals, and includes topics in paleoanthropology; z
ioarchaeology; reconstruction of past environments using vertebrate taxonomy and ecomorphology; and site formation processes. This is not a laboratory class, but rather one based on literature. ANTH 3402/5402 Zooarchaeology Laboratory is a complementary course (but not a required prerequisite for this class). Topics such as interpreting life history and ages of death of hominins and prey, hunting techniques/scavenging, species profiles, comparative site analysis, clues of ancient social structures, and preservation issues and bone quantification techniques will be covered. The bulk of the work in this class will be weekly readings and discussion. Each week all students will read assigned articles in common on the main topic of the week, and in addition one other article that they are solely responsible for bringing to the discussion. Students will present site reports and write a paper on a related topic of their choice.
Style: 20% Lecture, 60% Discussion, 20% Laboratory.
Grading: 25% reports/papers, 25% special projects, 50% class participation. Papers and site reports will be presented to the class.

Anth 5405 Human Skeletal Analysis
A-F only, 3 credit(s); 1001 or instr consent Credit will not be granted if credit has been received for: ANTH 3405;
Instructor: Slepkov, Rebecca
Description: Student may contact the instructor or department for information.
Anth 5444 Archaeological Ceramics  
A-F only, 4 credit(s);  
Instructor: Hayes, Katherine F H  
**Description:** Nearly every archaeologist encounters pottery fragments in site excavations and/or collections analysis at some point in her/his career. This is because of the durability the material and near-ubiquity of ceramic utilization. The goal of this course is to give you the essential working vocabulary and knowledge of ceramics as material, technology, and cultural/social trace. In this course we will read and discuss ceramic technology and use, learn the methods of assessing the various aspects of pottery production (raw material mixtures, building, decorating, and firing) through hands-on work with department collections, and critically review the research design and interpretations of other archaeologists’ ceramic analyses. Grade is based on lab exercises, one exam, and a directed research project.

Anth 5446 Archaeology of Representation as Communication  
A-F only, 3 credit(s);  
Instructor: Wells, Peter S  
**Description:** Student may contact the instructor or department for information.

Anth 5448 Applied Heritage Management  
A-F only, 3 credit(s);  
Instructor: Anfinson, Scott F  
**Description:** Student may contact the instructor or department for information.

Anth 5980 Topics in Anthropology: Language and Food  
3 credit(s), max credits 12;  
Instructor: Szatrowski, Polly Ellen  
**Description:** Anthropology 5980 (Sec 004) Topics in Anthropology: Language and Food (Polly Szatrowski) What could be more central to our lives than language and food? We learn language (together with gesture) and the tastes (textures, smells, visual features, and sounds) we associate with food early in our lives, and both form an important part of our identities. In this course, we will address the following questions: 1) How do we organize our language and bodies around food, i.e., how do we use them to get to and from the table, and to proceed in a meal (e.g., at a sushi restaurant)? 2) How do we use language to taste, identify and assess food, and how do these fine distinctions and discriminations define us as people and relate to our identity? 3) How do we talk about our experience of food and tell stories about food? 4) What metaphors do we have for food and how does language relate to gender in the context of food? 5) How is language used to socialize children around food? We will explore the relation between language and food by video recording and analyzing actual conversations among people eating a variety of foods, using a variety of languages, including English, Japanese, Chinese, Lao, Kri, Eegimaa, Wolof, Italian, Persian, German, Danish, and French. The class will be most rewarding for students who like to cook/eat, talk about food, and educate their palate. Prerequisite: LING 3001 or 3011 or 5001 OR permission of the instructor  
**Style:** 30% Lecture, 40% Discussion, 30% Student Presentation.  
**Grading:** 30% Major Paper, Abstract, Presentation 30% Data collection, Transcription, Written homework assignments 40% Class Participation and Preparation

Anth 5980 Topics in Anthropology: Language and Gender  
3 credit(s), max credits 12;  
Instructor: Sheldon PhD, Amy  
**Description:** Language and Gender Taught with Anth 5980. Prereq: Introduction to Linguistics, Introduction to Linguistic Anthropology, or equivalent. Description: Description: Language and Gender Taught with Anth 5980. Prereq: Introduction to Linguistics, or Introduction to Linguistic Anthropology, or the equivalent, or instr consent, 3 credits, Instructor: Sheldon, Amy  
**Description:** This course will critically examine whether and how language and communicative practices construct and represent normative and non-normative sexualities and genders. Possible topics: gender socialization through language; genderlects; gender as binarity or multiplicity; gender as linguistic stylization; language issues in LGBT communities; sexist and nonsexist language; language reform; conversational and rhetorical practices that create dominance, subordination, silencing and resistance. Language contexts include, but are not limited to: everyday conversational interactions that create personal relationships, personal narratives, talk in public spaces (e.g., radio/TV/print media, classrooms, workplaces, online language), etc. Students will observe their own and others’ everyday speech and will work with found or recorded examples. Term projects can be started early and developed with guidance across the semester. The focus is on English but comparisons across languages are welcome. Moodle enhanced. Electronic reserves and text. If you have questions, please contact Professor Amy Sheldon, asheldon@umn.edu Moodle enhanced. Electronic reserves and text. If you have questions, please contact Professor Amy Sheldon, asheldon@umn.edu  
**Style:** 20% Lecture, 25% Discussion, 30% Small Group Activities, 20% Student Presentation, 5% Demonstration.  
**Grading:** 50% reports/papers, 20% written homework, 10% attendance, 10% in-class presentation, 10% class participation. No exams.  
**Exam Format:** n.a.
Anth 8002 Ethnography: Contemporary Theory and Practice
A-F only, 3 credit(s);
Instructor: Taussig,Karen-Sue
Description: Student may contact the instructor or department for information.

Anth 8113 Primate Evolution
A-F only, 3 credit(s); Anthropology doctoral student
Credit will not be granted if credit has been received for: ANTH 5113;
Instructor: McNulty,Kieran P
Description: Student may contact the instructor or department for information.

Anth 8244 Interpreting Ancient Bone
A-F only, 4 credit(s); instr consent
Credit will not be granted if credit has been received for: ANTH 5244;
Instructor: Tappen,Martha
Description: This seminar designed to provide a venue for reviewing current and classic literature on interpreting the fossil and archaeological records using information from bones of humans and of other animals, and includes topics in paleoanthropology; zoarchaeology; reconstruction of past environments using vertebrate taxonomy and ecomorphology; and site formation processes. This is not a laboratory class, but rather one based on literature. ANTH 3402/5402 Zooarchaeology Laboratory is a complementary course (but not a required prerequisite for this class). Topics such as interpreting life history and ages of death of hominins and prey, hunting techniques/scavenging, species profiles, comparative site analysis, clues of ancient social structures, and preservation issues and bone quantification techniques will be covered. The bulk of the work in this class will be weekly readings and discussion. Each week all students will read assigned articles in common on the main topic of the week, and in addition one other article that they are solely responsible for bringing to the discussion. Students will present site reports and write a paper on a related topic of their choice.
Style: 20% Lecture, 60% Discussion, 20% Laboratory.
Grading: 25% reports/papers, 25% special projects, 50% class participation. Papers and site reports will be presented to the class.

Anth 8510 Topics in Archaeology
3-9 credit(s), max credits 9, 3 completions allowed;
Instructor: Wells,Peter S
Description: Student may contact the instructor or department for information.

Anth 8510 Topics in Archaeology
3-9 credit(s), max credits 9, 3 completions allowed;
Instructor: Hayes,Katherine F H
Description: Spring 2014: This course offers students the opportunity to learn the methods of archival research, especially for addressing questions of anthropological significance: for example, how has cultural difference, especially ethnicity, been experienced, publicly perceived, or made the subject of legal and structural inequalities? How has gender ideology been impacted by changing roles in society for women? How is race conceptualized in historical discourses? In the spring of 2014, this course will focus on issues of immigration, ethnicity, religion, class, constructed space and domestic life through the intensive investigation of the Bohemian Flats and other contemporaneous riverfront immigrant neighborhoods in Minneapolis and St Paul. From the urban and industrial development of the Twin Cities in the later 19th century through the mid-20th century, waves of immigrants have been housed in marginal neighborhoods adjacent to the Mississippi River. These areas were less than ideal places to live, lacking in adequate infrastructure and routinely flooded. What was life like in these neighborhoods? How were the immigrants there perceived, especially in terms of ethnicity? How did they create their own sense of community? Where did they work? Where did they or their descendants move on to? And how can learning about their experience change the way we think about immigrants today? Students in this class will learn to utilize local archival resources to investigate these questions, while also learning factors to consider in archives and particular types of documentary remains which impact interpretations. Your work will be developed into publicly accessible interpretations, like exhibit panels, web pages, interactive maps, or walking tours, to be presented in an open event at the end of the semester.

Anth 8810 Topics in Sociocultural Anthropology: Ethnography, Literature & Arts of Fabulation
3 credit(s), max credits 9, 3 completions allowed;
Instructor: McLean,Stuart J
Description: Student may contact the instructor or department for information.

Anth 8991 Independent Study
1-18 credit(s), max credits 18, 1 completion allowed;
Instructor: Wells,Peter S
Description: Student may contact the instructor or department for information.

**Anth 8991 Independent Study**
1-18 credit(s), max credits 18, 1 completion allowed;
Instructor: Raheja,Gloria Goodwin
Description: Student may contact the instructor or department for information.

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1-18 credit(s), max credits 18, 1 completion allowed;
Instructor: Gudeman,Stephen Frederick
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Anth 8991 Independent Study
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Instructor: Hayes, Katherine F H
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Anth 8992 Directed Reading
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Instructor: Wells, Peter S
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Anth 8992 Directed Reading
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Instructor: Raheja, Gloria Goodwin
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Description: Student may contact the instructor or department for information.

Anth 8992 Directed Reading
1-18 credit(s), max credits 54, 3 completions allowed;
Instructor: Valentine, David
Description: Student may contact the instructor or department for information.

Anth 8992 Directed Reading
1-18 credit(s), max credits 54, 3 completions allowed;
Instructor: McLean, Stuart J
Description: Student may contact the instructor or department for information.

Anth 8992 Directed Reading
1-18 credit(s), max credits 54, 3 completions allowed;
Instructor: Song, Hoon
Description: Student may contact the instructor or department for information.

Anth 8992 Directed Reading
1-18 credit(s), max credits 54, 3 completions allowed;
Instructor: Beeman, William O
Description: Student may contact the instructor or department for information.

Anth 8992 Directed Reading
1-18 credit(s), max credits 54, 3 completions allowed;
Instructor: McNulty, Kieran P
Description: Student may contact the instructor or department for information.

Anth 8992 Directed Reading
1-18 credit(s), max credits 54, 3 completions allowed;
Instructor: Hayes, Katherine F H
Description: Student may contact the instructor or department for information.

Anth 8993 Directed Study
1-18 credit(s), max credits 18, 3 completions allowed;
Instructor: Wells, Peter S
Description: Student may contact the instructor or department for information.

Anth 8993 Directed Study
1-18 credit(s), max credits 18, 3 completions allowed;
Instructor: Raheja, Gloria Goodwin
Description: Student may contact the instructor or department for information.
Anth 8993 Directed Study  
1-18 credit(s), max credits 18, 3 completions allowed;  
Instructor: Gudeman, Stephen Frederick  
Description: Student may contact the instructor or department for information.

Anth 8993 Directed Study  
1-18 credit(s), max credits 18, 3 completions allowed;  
Instructor: Tappen, Martha  
Description: Student may contact the instructor or department for information.

Anth 8993 Directed Study  
1-18 credit(s), max credits 18, 3 completions allowed;  
Instructor: Lipset, David M  
Description: Student may contact the instructor or department for information.

Anth 8993 Directed Study  
1-18 credit(s), max credits 18, 3 completions allowed;  
Instructor: Langford, Jean M  
Description: Student may contact the instructor or department for information.

Anth 8993 Directed Study  
1-18 credit(s), max credits 18, 3 completions allowed;  
Instructor: Taussig, Karen-Sue  
Description: Student may contact the instructor or department for information.

Anth 8993 Directed Study  
1-18 credit(s), max credits 18, 3 completions allowed;  
Instructor: Tostevin, Gilbert B  
Description: Student may contact the instructor or department for information.

Anth 8993 Directed Study  
1-18 credit(s), max credits 18, 3 completions allowed;  
Instructor: Wilson, Michael Lawrence  
Description: Student may contact the instructor or department for information.

Anth 8993 Directed Study  
1-18 credit(s), max credits 18, 3 completions allowed;  
Instructor: Monnier, Gilliane F  
Description: Student may contact the instructor or department for information.

Anth 8993 Directed Study  
1-18 credit(s), max credits 18, 3 completions allowed;  
Instructor: Ho, Karen  
Description: Student may contact the instructor or department for information.

Anth 8993 Directed Study  
1-18 credit(s), max credits 18, 3 completions allowed;  
Instructor: Valentine, David  
Description: Student may contact the instructor or department for information.

Anth 8993 Directed Study  
1-18 credit(s), max credits 18, 3 completions allowed;  
Instructor: McLean, Stuart J  
Description: Student may contact the instructor or department for information.

Anth 8993 Directed Study  
1-18 credit(s), max credits 18, 3 completions allowed;  
Instructor: Song, Hoon  
Description: Student may contact the instructor or department for information.
Anth 8993 Directed Study
1-18 credit(s), max credits 18, 3 completions allowed;
Instructor: Beeman, William O
Description: Student may contact the instructor or department for information.

Anth 8993 Directed Study
1-18 credit(s), max credits 18, 3 completions allowed;
Instructor: McNulty, Kieran P
Description: Student may contact the instructor or department for information.

Anth 8993 Directed Study
1-18 credit(s), max credits 18, 3 completions allowed;
Instructor: Hayes, Katherine F H
Description: Student may contact the instructor or department for information.

Anth 8994 Directed Research
1-18 credit(s), max credits 18, 1 completion allowed;
Instructor: Wells, Peter S
Description: Student may contact the instructor or department for information.

Anth 8994 Directed Research
1-18 credit(s), max credits 18, 1 completion allowed;
Instructor: Raheja, Gloria Goodwin
Description: Student may contact the instructor or department for information.

Anth 8994 Directed Research
1-18 credit(s), max credits 18, 1 completion allowed;
Instructor: Gudeman, Stephen Frederick
Description: Student may contact the instructor or department for information.

Anth 8994 Directed Research
1-18 credit(s), max credits 18, 1 completion allowed;
Instructor: Tappen, Martha
Description: Student may contact the instructor or department for information.

Anth 8994 Directed Research
1-18 credit(s), max credits 18, 1 completion allowed;
Instructor: Lipset, David M
Description: Student may contact the instructor or department for information.

Anth 8994 Directed Research
1-18 credit(s), max credits 18, 1 completion allowed;
Instructor: Langford, Jean M
Description: Student may contact the instructor or department for information.

Anth 8994 Directed Research
1-18 credit(s), max credits 18, 1 completion allowed;
Instructor: Taussig, Karen-Sue
Description: Student may contact the instructor or department for information.

Anth 8994 Directed Research
1-18 credit(s), max credits 18, 1 completion allowed;
Instructor: Tostevin, Gilbert B
Description: Student may contact the instructor or department for information.

Anth 8994 Directed Research
1-18 credit(s), max credits 18, 1 completion allowed;
Instructor: Wilson, Michael Lawrence
Description: Student may contact the instructor or department for information.
Anth 8994 Directed Research
1-18 credit(s), max credits 18, 1 completion allowed;
Instructor: Monnier, Gilliane F
Description: Student may contact the instructor or department for information.

Anth 8994 Directed Research
1-18 credit(s), max credits 18, 1 completion allowed;
Instructor: Ho, Karen
Description: Student may contact the instructor or department for information.

Anth 8994 Directed Research
1-18 credit(s), max credits 18, 1 completion allowed;
Instructor: Valentine, David
Description: Student may contact the instructor or department for information.

Anth 8994 Directed Research
1-18 credit(s), max credits 18, 1 completion allowed;
Instructor: McLean, Stuart J
Description: Student may contact the instructor or department for information.

Anth 8994 Directed Research
1-18 credit(s), max credits 18, 1 completion allowed;
Instructor: Song, Hoon
Description: Student may contact the instructor or department for information.

Anth 8994 Directed Research
1-18 credit(s), max credits 18, 1 completion allowed;
Instructor: Beeman, William O
Description: Student may contact the instructor or department for information.

Anth 8994 Directed Research
1-18 credit(s), max credits 18, 1 completion allowed;
Instructor: McNulty, Kieran P
Description: Student may contact the instructor or department for information.

Anth 8994 Directed Research
1-18 credit(s), max credits 18, 1 completion allowed;
Instructor: Hayes, Katherine F H
Description: Student may contact the instructor or department for information.

Apparel Design 240 McNeal Hall

ADes 2196 Work Experience in Apparel Design
S-N only, 1-4 credit(s), max credits 8;
Instructor: LaBat, Karen Louise
Description: Student may contact the instructor or department for information.

ADes 2196 Work Experience in Apparel Design
S-N only, 1-4 credit(s), max credits 8;
Instructor: Bye, Elizabeth K
Description: Student may contact the instructor or department for information.

ADes 2196 Work Experience in Apparel Design
S-N only, 1-4 credit(s), max credits 8;
Instructor: DeLong, Marilyn R
Description: Student may contact the instructor or department for information.

ADes 2196 Work Experience in Apparel Design
S-N only, 1-4 credit(s), max credits 8;
Instructor: Dunne,Lucy Elizabeth  
Description: Student may contact the instructor or department for information.

ADes 2214 Softlines Analysis  
A-F only, 3 credit(s);  
Instructor: Gahring,Sherri Ann  
Description: Student may contact the instructor or department for information.

ADes 2221 Apparel Design Studio I  
A-F only, 4 credit(s);  
Instructor: STAFF  
Description: Introduction to theories and methods used to solve problems in designing clothing for a variety of user groups. Developing an understanding of the relationship of the 2-dimensional pattern shape to the 3-dimensional body. Introduction to basic flat pattern, draping and fitting principles. The objectives of the course are: To understand the basic relationship of the 2-dimensional plane to the 3-dimensional body in developing pattern shapes; To understand and utilize flat pattern manipulation to vary pattern style while maintaining size in the design of clothing; To examine, evaluate, and utilize pattern development techniques as appropriate for selected clothing designs; To learn the basic process of apparel design ideation through the use of a variety of illustration techniques; To learn and implement the basic process of apparel pre-production form design concept through finished sample. This class is designed for pre-clothing design majors who have completed the necessary prerequisites: DHA 1201, 1311, 1221, 1312. The class is designed for studio learning opportunities with supporting lecture and demonstrations. Project work requires an average of 15 hours outside of class.  
Style: 25% Lecture. Studio  
Grading: 50% special projects, 50% problem solving.

ADes 3196 Field Study: National or International  
A-F only, 1-10 credit(s), max credits 10, 3 completions allowed;  
Instructor: Dunne,Lucy Elizabeth  
Description: Student may contact the instructor or department for information.

ADes 3223 Apparel Design Studio III  
A-F only, 3 credit(s);  
Instructor: STAFF  
Description: This course is designed for clothing design majors as part of the clothing design studio sequence. The study of tailored and non-tailored clothing structures is covered. Experimentation with a variety of materials and structures using innovative methods is explored and implemented with a series of garments.  
Style: 15% Lecture. studio work  
Grading: 80% special projects, 10% in-class presentation, 10% laboratory evaluation.

ADes 3224 Apparel Design Studio IV  
A-F only, 3 credit(s);  
Instructor: Dunne,Lucy Elizabeth  
Description: Student may contact the instructor or department for information.

ADes 3225 Apparel Design Research  
A-F only, 1 credit(s);  
Instructor: Bye,Elizabeth K  
Description: Student may contact the instructor or department for information.

ADes 3228 Portfolio Development  
A-F only, 2 credit(s);  
Instructor: Sheber,Sarah  
Description: Student may contact the instructor or department for information.

ADes 3228 Portfolio Development  
A-F only, 2 credit(s);  
Instructor: Russell,Quincy E  
Description: Student may contact the instructor or department for information.

ADes 4121 History of Costume  
A-F only, 4 credit(s);
Instructor: DeLong, Marilyn R
Description: Survey of clothing and appearances in Western culture from pre-history to present day. Examination of how lines, shapes, color, texture, mass, and body proportions and movements, are assembled within a social context including time, culture, and event. Research approaches and methods in the study and interpretation of dress are included. Teaching method includes lecture, discussion and laboratory with sample slides, videos, use of actual artifacts in the historic costume collection of the Goldstein. Target audience is upper level undergraduate students.
Style: 30% Lecture, 30% Discussion, 30% Laboratory.
Grading: 15% mid exam, 15% final exam, 10% reports/papers, 30% special projects, 10% in-class presentation, 10% class participation, 10% laboratory evaluation.
Exam Format: Multiple choice and some essay.

ADes 4160H Honors Capstone Project
A-F only, 2 credit(s), max credits 4;
Instructor: LaBat, Karen Louise
Description: Student may contact the instructor or department for information.

ADes 4160H Honors Capstone Project
A-F only, 2 credit(s), max credits 4;
Instructor: Bye, Elizabeth K
Description: Student may contact the instructor or department for information.

ADes 4160H Honors Capstone Project
A-F only, 2 credit(s), max credits 4;
Instructor: DeLong, Marilyn R
Description: Student may contact the instructor or department for information.

ADes 4160H Honors Capstone Project
A-F only, 2 credit(s), max credits 4;
Instructor: Dunne, Lucy Elizabeth
Description: Student may contact the instructor or department for information.

ADes 4193 Directed Study in Apparel Design
A-F only, 1-4 credit(s), max credits 8;
Instructor: LaBat, Karen Louise
Description: Student may contact the instructor or department for information.

ADes 4193 Directed Study in Apparel Design
A-F only, 1-4 credit(s), max credits 8;
Instructor: Bye, Elizabeth K
Description: Student may contact the instructor or department for information.

ADes 4193 Directed Study in Apparel Design
A-F only, 1-4 credit(s), max credits 8;
Instructor: DeLong, Marilyn R
Description: Student may contact the instructor or department for information.

ADes 4193 Directed Study in Apparel Design
A-F only, 1-4 credit(s), max credits 8;
Instructor: Dunne, Lucy Elizabeth
Description: Student may contact the instructor or department for information.

ADes 4196 Internship in Apparel Design
S-N only, 1-4 credit(s), max credits 4, 1 completion allowed; Completion of at least one-half of professional sequence, plan submitted and approved in advance by adviser and internship supervisor, written consent of faculty supervisor, instr consent credit will not be granted if credit already received for: DHA 4196 Credit will not be granted if credit has been received for: GDES 4196;
Instructor: STAFF
Description:
A-F only, 4 credit(s);  
Instructor: LaBat, Karen Louise  
Description: Follow the product development process to develop a product or product line for a Minnesota company. Work in teams of design and merchandising students to identify the product opportunity within guidelines presented by the company, research background information to develop the product, conduct ideation sessions, select a product direction based on your research, develop and evaluate a prototype, present the results to the sponsoring company for their evaluation and feedback. Project this year with Target Corporation. Must be Apparel Design or Retail Merchandising senior with sufficient background to participate in this fast-paced project.  
Style: 10% Lecture, 5% Discussion, 5% Laboratory, 45% Small Group Activities, 5% Student Presentation, 5% Demonstration, 5% Field Trips, 15% Studio, 5% Guest Speakers.  
Grading: Grade based on work on the project for the company. Auality of effort is determined through evaluation of presentations and project results. Portion of grade determined through peer evaluation and evaluation by project sponsor.

### Apparel Studies 240 McNeal Hall

**ApSt 5117 Retail Environments and Human Behavior**  
A-F only, 3 credit(s);  
Instructor: Wu, Juanjuan  
Description: Theory and research related to the designed environment across retail channels. Upon completion of this course, students should be able to: -- Analyze the importance of retail environments as stimuli to consumer behavior. -- Develop sensitivity to sustainability issues in retailing. -- Identify, synthesize, and critique research and theories applicable to various retailing formats and environments. -- Design, develop, and conduct original research focusing on retail environments. -- Develop and refine critical writing skills in communicating and disseminating scholarship.

**ApSt 5121 History of Costume**  
A-F only, 4 credit(s);  
Instructor: DeLong, Marilyn R  
Description: Student may contact the instructor or department for information.

**ApSt 5193 Directed Study in Apparel Studies**  
A-F only, 1-4 credit(s), max credits 8;  
Instructor: STAFF  
Description: Directed study in design, housing and apparel. The topics, course content and readings are developed under the guidance of the supervising faculty member. Typically reserved for graduate students.  
Style: Working with supervising faculty  
Grading: 100% reports/papers. Or may be related to a project

**ApSt 8192 Readings in Apparel Studies**  
A-F only, 1-3 credit(s), max credits 8, 8 completions allowed;  
Instructor: LaBat, Karen Louise  
Description: Student may contact the instructor or department for information.

**ApSt 8192 Readings in Apparel Studies**  
A-F only, 1-3 credit(s), max credits 8, 8 completions allowed;  
Instructor: Bye, Elizabeth K  
Description: Student may contact the instructor or department for information.

**ApSt 8192 Readings in Apparel Studies**  
A-F only, 1-3 credit(s), max credits 8, 8 completions allowed;  
Instructor: DeLong, Marilyn R  
Description: Student may contact the instructor or department for information.

**ApSt 8192 Readings in Apparel Studies**  
A-F only, 1-3 credit(s), max credits 8, 8 completions allowed;  
Instructor: Wu, Juanjuan  
Description: Student may contact the instructor or department for information.

**ApSt 8192 Readings in Apparel Studies**  
A-F only, 1-3 credit(s), max credits 8, 8 completions allowed;
ApSt 8192 Readings in Apparel Studies
A-F only, 1-3 credit(s), max credits 8, 8 completions allowed;
Instructor: Kim, Hye-Young
Description: Student may contact the instructor or department for information.

ApSt 8193 Directed Study
A-F only, 1-3 credit(s), max credits 8, 8 completions allowed;
Instructor: Dunne, Lucy Elizabeth
Description: Student may contact the instructor or department for information.

ApSt 8193 Directed Study
A-F only, 1-3 credit(s), max credits 8, 8 completions allowed;
Instructor: LaBat, Karen Louise
Description: Student may contact the instructor or department for information.

ApSt 8193 Directed Study
A-F only, 1-3 credit(s), max credits 8, 8 completions allowed;
Instructor: Bye, Elizabeth K
Description: Student may contact the instructor or department for information.

ApSt 8193 Directed Study
A-F only, 1-3 credit(s), max credits 8, 8 completions allowed;
Instructor: DeLong, Marilyn R
Description: Student may contact the instructor or department for information.

ApSt 8193 Directed Study
A-F only, 1-3 credit(s), max credits 8, 8 completions allowed;
Instructor: Wu, Juanjuan
Description: Student may contact the instructor or department for information.

ApSt 8193 Directed Study
A-F only, 1-3 credit(s), max credits 8, 8 completions allowed;
Instructor: Im, Hyunjoo
Description: Student may contact the instructor or department for information.

ApSt 8193 Directed Study
A-F only, 1-3 credit(s), max credits 8, 8 completions allowed;
Instructor: Kim, Hye-Young
Description: Student may contact the instructor or department for information.

ApSt 8193 Directed Study
A-F only, 1-3 credit(s), max credits 8, 8 completions allowed;
Instructor: Dunne, Lucy Elizabeth
Description: Student may contact the instructor or department for information.

ApSt 8222 Plan B Master's Project
S-N only, 3 credit(s);
Instructor: LaBat, Karen Louise
Description: Student may contact the instructor or department for information.

ApSt 8222 Plan B Master's Project
S-N only, 3 credit(s);
Instructor: Bye, Elizabeth K
Description: Student may contact the instructor or department for information.
ApSt 8222 Plan B Master's Project
S-N only, 3 credit(s);
Instructor: DeLong, Marilyn R
Description: Student may contact the instructor or department for information.

ApSt 8222 Plan B Master's Project
S-N only, 3 credit(s);
Instructor: Wu, Juanjuan
Description: Student may contact the instructor or department for information.

ApSt 8222 Plan B Master's Project
S-N only, 3 credit(s);
Instructor: Im, Hyunjoo
Description: Student may contact the instructor or department for information.

ApSt 8222 Plan B Master's Project
S-N only, 3 credit(s);
Instructor: Dunne, Lucy Elizabeth
Description: Student may contact the instructor or department for information.

ApSt 8267 Dress and Culture
A-F only, 3 credit(s);
Instructor: STAFF
Description: Dressing the body includes all supplements (e.g., apparel, cosmetics) added to the body as well as all body modifications (e.g., piercings, tattoos). A dressed body reflect cultural expectations learned throughout one's life. In this course, we investigate the concept of dress as it relates to identity, power, age, gender, ethnicity, religion, and other cultural influences (e.g., media). We analyze the role of dress within small and large groups uncovering how decisions made about dressing the body reflect and are shaped by many factors, including beliefs about aesthetics, technological development, social structures, and value systems. Readings provide opportunities to analyze similarities and differences among groups.
Grading: 20% - In-class discussion leadership/participation 40% - Encyclopedia article 20% - Book review 20% - In-class Power Point presentations (2)

ApSt 8272 Multichannel Consumers: Theories in Retail and Consumer Studies
A-F only, 3 credit(s);
Instructor: Im, Hyunjoo
Description: Graduate seminar. A review of a range of critical theories in retail/consumer studies to explore issues in multi-channel retailing environments. Exposure to breadth of topics in multi-channel retailing. Practical research experience.

Applied Business 20 Ruttan Hall

ABus 3051 Career Skills in the Professional Environment
2 credit(s);
Instructor: Bonderson, Lori
Description: This is a fully online section offered through Online and Distance Learning (ODL), College of Continuing Education. You work independently but will also participate as part of a small group. Visit "Class URL" for ODL policy, fee, and financial aid restrictions. Career planning and job search processes appropriate to business/professional careers. Exploring career options: career centers, company research and networking. Resume and cover letter writing. Job interview preparation. Organizational culture, transition from college to work, and job satisfaction.
Style: Online
Grading: See attached syllabus
Exam Format: no exams

ABus 3301 Introduction to Quality Management
A-F only, 3 credit(s);
Instructor: Martens, Scott L
**Description:** This is a fully online section offered through Online and Distance Learning (ODL), College of Continuing Education. Visit "Class URL" for ODL policy, fee, and financial aid information. Principles and concepts of managing quality in the context of a broad range of business applications, with major focus on Six Sigma process improvement methodology. Looks at Baldrige Award, ISO 9000, process control, and performance measurement systems. Explores change management, quantifying opportunities, and cost benefit analysis, all of which are applicable to an array of employment sectors such as service, nonprofit, and government.

**Style:** Online

**Grading:** See attached syllabus

**ABus 4022 Management in Organizations**
- **A-F only, 3 credit(s);**
- **Instructor:** Haarklau, Evon A
- **Description:** This fully online section is offered through Online and Distance Learning, College of Continuing Education. Visit "Class URL" for ODL policies, including fee and financial aid restrictions. This course brings together key elements from the practical (on the job), the theoretical (in the classroom), and the personal (self-assessment) to facilitate a better understanding of management as a profession. By the conclusion of this course, you will have learned to: --compare and contrast theoretical and practical thinking on professional management, and apply this knowledge to current practice; --describe and apply the characteristics of a strong manager in a high-performance organization; --explain and illustrate how planning, organizing, leading, and controlling are accomplished in a specific industry or organization; and --assess your own aptitude, interest, and knowledge for entering the management profession.

**Style:** Online

**Grading:** See attached syllabus

**ABus 4023W Communicating for Results**
- **A-F only, 3 credit(s); Meets CLE req of Writing Intensive**
- **Instructor:** Lowry, Ann E.
- **Description:** This is a fully online section offered through Online and Distance Learning (ODL), College of Continuing Education. Visit "Class URL" for ODL policies, including fee and financial aid restrictions. Aspects of communication essential for being persuasive and influential. Organizing and presenting ideas effectively, strategies for audience analysis, choosing communication methods, making appropriate use of informal influence methods, and handling dissent. Processes for intercultural communication.

**Style:** Online

**Grading:** See attached syllabus

**ABus 4041 Dynamics of Leadership**
- **A-F only, 3 credit(s);**
- **Instructor:** Kaiser, David
- **Description:** This is a fully online section offered through Online and Distance Learning (ODL), College of Continuing Education. Visit "Class URL" for ODL policies, including fee and financial aid restrictions. In this course, your learning about leadership will occur in two ways: --learning about and understanding leadership strategies, values, characteristics, and styles (the context) --analyzing your own perspectives and beliefs about leadership (your interpretation of the context) This course will give you the knowledge and understanding of the qualities and skills necessary to become a leader within various contexts. It will assist you in working in various organizational environments and understanding the impact of globalization and diversity on achieving organizational directives.

**Style:** Online

**Grading:** See attached syllabus

**ABus 4101 Accounting and Finance for Managers**
- **A-F only, 3 credit(s);**
- **Instructor:** Vickman, Thomas M
- **Description:** This fully online course is offered through Online and Distance Learning (ODL), College of Continuing Education. Visit "Class URL" for ODL policies, including fee and financial aid information. You will look at your career from a new perspective, and increase your contribution to the bottom line, whatever your role. Accounting is the language of business, and finance is not very far behind. Learn to talk the talk and make effective financial contributions. You will learn a variety of basic scenarios using accounting and finance models and the knowledge and tools for applying them to a particular business sector: retail, manufacturing, government, hospitality, non-profit, medical, construction.

**Style:** Online

**Grading:** See attached syllabus

**ABus 4104 Management and Human Resource Practices**
- **A-F only, 3 credit(s);**
Instructor: Benraouane, Sid Ahmed

Description: This is a fully online course offered through Online and Distance Learning (ODL), College of Continuing Education. Visit "Class URL" for ODL policies, including fee and financial aid restrictions. Introduces students to a broad overview of human resource practices in organizations as well as basic responsibilities of front line managers. Emphasis is on providing day-to-day leadership including organizing work, motivating employees, delegating, coordinating and achieving results. Human resource practices carried out at the front line include selection induction and training of new employees, employee appraisal, handling grievances and discipline.

Style: Online

Grading: See attached syllabus

ABus 4151 Innovation for Leaders and Organizations
A-F only, 3 credit(s);
Instructor: Flanders, Gordon R

Description: This is a fully online section offered through Online and Distance Learning (ODL), College of Continuing Education. Visit "Class URL" for ODL policies, including fee and financial aid restrictions. Innovation as a cornerstone of a knowledge economy. History and value of the innovation process, and importance to individuals and organizations. Strategies to foster personal and collaborative innovation. Responsibilities in personal innovation skill-building and leading innovation in organizations.

Style: Online

Grading: See attached syllabus

ABus 4509 New Product Development
A-F only, 3 credit(s);
Instructor: McClernon, Susan Elizab

Description: This is a fully online section offered through Online and Distance Learning (ODL), College of Continuing Education. Visit "Class URL" for ODL policies, including fee and financial aid restrictions. This course will explore how new consumer, industrial, and service products are planned and developed. It will examine idea generation, concept and buyer testing, pricing, sales and profit strategies, product positioning techniques, promotion, packaging and distribution considerations from a new product development perspective, using marketing case histories and student project work.

Style: Online

Grading: See attached syllabus

ABus 4515 Strategy and Management for a Sustainable Future
A-F only, 3 credit(s);
Instructor: Hickle, Garth Thomas

Description: This is a fully online section offered through Online and Distance Learning (ODL), College of Continuing Education. You work independently, not as part of a student group. Visit "Class URL" for ODL policies, including fee and financial aid restrictions. Explore the meaning and importance of sustainability in business. Characteristics of sustainable environments and their relationship to organizations. Potential economic and strategic enterprise value. Management and leadership to foster and support sustainability. Relationship of sustainable business practices to marketplace trends and realities.

Style: Online

Grading: See attached syllabus

ABus 4571 Introduction to Grant Writing for Health Care and Nonprofit Organizations
A-F only, 3 credit(s);
Instructor: Bahar, Keri L

Description: This is a fully online section offered through Online and Distance Learning (ODL), College of Continuing Education. Visit "Class URL" for ODL policies, including fee and financial aid restrictions. This course will provide you with the tools needed to research and write grants in today's funding and political climate. Today, decreasing government funding at the local, regional, state, and federal levels, along with decreasing traditional educational and other social service funding has resulted in an increased need for nonprofit groups to find new or additional financial support. At the same time, government and nonprofit foundations are significantly increasing support for targeted health care research funding. Students will learn the basics of grant writing, including how to identify potential funding sources, and respond to a Request for Proposal by creating a needs assessment, goal statement, budget, and grant funding plans.

Style: Online

Grading: See attached syllabus

ABus 4701 Introduction to Marketing
A-F only, 3 credit(s);
Instructor: Kaufmann, Geoff Laing
This is a fully online section offered through Online and Distance Education (ODL), College of Continuing Education. Visit "Class URL" for ODL policies, including fee and financial aid restrictions. The course begins with the 4 Ps of marketing and the marketing concept and takes you through the fascinating worlds of consumer behavior, market research, the marketing mix, strategic marketing, and many others. The course will introduce you to the terminology of marketing and demonstrate how marketing relates to other functional areas within an organization. The course will try to expose you to the breadth, rather than depth in any one particular area, of marketing. A discussion of the international scope of marketing and ethics in business will also be integrated into the course at every stage.

**Applied Economics**  
231 Ruttan Hall

**ApEc 1101 Principles of Microeconomics**
- 4 credit(s);
- Credit will not be granted if credit has been received for: ECON 1101;
- Meets CLE req of Global Perspectives;
- meets CLE req of Social Sciences
- Instructor: Okediji, Tade O
- Description: Student may contact the instructor or department for information.

**ApEc 1102 Principles of Macroeconomics**
- 3 credit(s);
- 1101 or Econ 1101 no credit will be granted if credit has been received for: Econ 1102 or Econ 1105.Credit will not be granted if credit has been received for: ECON 1102;
- Instructor: Parliament, Claudia A
- Description: Economics, the study of choices made under conditions of scarcity, is divided into two major areas: micro and macro economics. This course, Principles of Macroeconomics, is concerned with the behavior of entire economies. The course will focus on the aggregate concepts of economic growth, gross domestic product, unemployment, and inflation. The course will also cover the role of the Federal Reserve Bank and the banking system in creating the money supply and influencing interest rates. Budget deficits and the national debt will be discussed. The strengths and weaknesses of using fiscal and/or monetary policy to influence economic growth and stability will be examined. Time permitting, exchange rates and trade deficits will be covered. The course will emphasize the application of macroeconomic concepts to current economic issues.
- Style: 60% Lecture, 40% Discussion.
- Grading: 30% mid exam, 25% final exam, 15% reports/papers, 15% quizzes, 15% problem solving.
- Exam Format: multiple choice, short answer, graphs

**ApEc 1102H Honors: Principles of Macroeconomics**
- A-F only, 4 credit(s);
- [1101 or 1101H or ECON 1101 or ECON 1101H], honorsCredit will not be granted if credit has been received for: APEC 1102;
- Instructor: Ritter, Joe
- Description: Student may contact the instructor or department for information.

**ApEc 3001 Applied Microeconomics: Consumers, Producers, and Markets**
- 4 credit(s);
- [(1101 or ECON 1101 or 1101H or ECON 1101H), [MATH 1142 or MATH 1271]] or instr consent; intended for undergrads in [Ag/Food Bus Mgmt, Appl Econ]Credit will not be granted if credit has been received for: ECON 3101;
- Instructor: Bellemare, Marc
- Description: Student may contact the instructor or department for information.

**ApEc 3002 Applied Microeconomics: Managerial Economics**
- 4 credit(s);
- Instructor: King, Robert P
- Description: This course focuses on the application of microeconomic theory to managerial problems. Lectures, readings, problem sets, lab sessions, case studies, and discussions integrate theory and applications. Topics include: an introduction to regression analysis, demand analysis and demand function estimation, cost function estimation, resource allocation decisions, linear programming, market structure, pricing policy, risk analysis, and capital budgeting. This course is the second in a sequence that begins with ApEc 3001, "Consumers, Producers, and Markets". The primary audience for this course is undergraduate students majoring in Agricultural Business Management, Agricultural Industries and Marketing and Applied Economics.
- Style: 40% Lecture, 10% Discussion, 50% Laboratory.
Grading: 30% mid exam, 20% final exam, 10% quizzes, 25% laboratory evaluation, 15% problem solving. There are two midterm exams. Each counts for 15% of the final grade.
Exam Format: Problems, short answer, short essay

ApEc 3006 Applied Macroeconomics: Government and the Economy
3 credit(s);[[1102 or Econ 1102], [3001 or Econ 3101]] or instr consent Credit will not be granted if credit has been received for: ECON 3102;
Instructor: Stinson, Thomas F
Description: This course is concerned mainly with aggregate economic activity. Major emphasis is on factors that determine national income, employment, interest rates, and the price level. These factors include aggregate consumption, business investment, imports and exports, government spending and taxation, the money market, and the labor market. Implications of changes in government economic policies are considered.
Style: 100% Lecture.
Grading: 40% mid exam, 50% final exam, 10% problem solving.
Exam Format: essay

ApEc 3007 Applied Macroeconomics: Policy, Trade, and Development
3 credit(s);Meets CLE req of Global Perspectives
Instructor: Runge, Carlisle Ford
Description: This is an undergraduate course in trade and economic development addressed in four main parts. Part I will lay out what we know about international trade and its role in the process of economic development: how trade has grown over recent centuries, the particular role of trade in agriculture, and concerns over globalization and the welfare of developing countries. Part II will consider what economists theorize about international trade—how we know about trade and development. We will consider traditional theories of trade and the roles of comparative advantage, resource endowments, and factor mobility as well as more contemporary aspects involving economies of scale and imperfect competition. Part III of the course will discuss the trade policy instruments and institutions that make trade and development happen: the private financial sector, the International Monetary Fund, World Bank, World Trade Organization, and World Intellectual Property Organization. Part IV will consider how the international movement of capital, technical change, and location affect trade and development.
Style: 80% Lecture, 20% Discussion.
Grading: 30% mid exam, 40% final exam, 30% reports/papers.
Exam Format: Multiple choice, short essay and numerical questions

ApEc 3061 Economic Development in Contemporary Africa
3 credit(s);1101 or ECON 1101 Credit will not be granted if credit has been received for: AFRO 3433;Meets CLE req of Global Perspectives
Instructor: Okediji, Tade O
Description: Student may contact the instructor or department for information.

ApEc 3202 An Introduction to the Food System: Analysis, Management and Design
3 credit(s);
Instructor: King, Robert P
Description: Student may contact the instructor or department for information.

ApEc 3451 Food and Agricultural Sales
3 credit(s);
Instructor: Nefstead, Ward Elliot
Description: Professional selling of agricultural and food products. Building and refining sales abilities, identifying and qualifying prospects, delivering effective sales presentations and closing the sale, utilizing principles of market research including market segmentation methods. The class will involve explorations of careers in sales via guest speakers and other audiovisual aids. Students will develop and deliver a professional sales presentation.
Style: 80% Lecture, 20% Discussion.
Grading: 15% mid exam, 20% final exam, 50% special projects, 15% laboratory evaluation.
Exam Format: Essay

ApEc 3611W Environmental and Natural Resource Economics
3 credit(s);Meets CLE req of Environment; meets CLE req of Writing Intensive
Instructor: Rullifson, Jane Anne
Description: Student may contact the instructor or department for information.

ApEc 3821 Retail Center Management
3 credit(s);
Instructor: Nefstead, Ward Elliot
Description: Management of garden centers, grocery stores and other retail units selling perishable agricultural products. This course will involve accounting and management aspects of related retail business. Part of the class will focus on ecommerce applications. Group exercises and management cases/simulations will be used as well as assigned projects off campus.
Style: 70% Lecture, 15% Discussion, 15% Laboratory.
Grading: 20% mid exam, 35% final exam, 20% special projects, 10% laboratory evaluation, 15% problem solving.
Exam Format: Multiple choice, essay, short answer

ApEc 3991 Independent Study in Applied Economics
1-4 credit(s), max credits 12, 3 completions allowed;
Instructor: STAFF
Description: Independent study and supervised reading and research on subjects and problems not covered in regularly offered courses. Coursework varies by instructor. No exams usually given.

ApEc 4096 Professional Experience Program: Internship
S-N only, 1-3 credit(s), max credits 6, 6 completions allowed;
Instructor: STAFF
Description: Professional experience in agribusiness firms or government agencies gained through supervised practical experience; evaluative reports and consultations with faculty advisors and employers.

3 credit(s);
Instructor: Gartner, Bill
Description: Growth in tourism has led, in the last thirty-five years, to development consequences that are not always planned for, or welcome. This course begins by discussing a very popular concept, sustainable tourism development, and proposes a measurement model that takes it from the conceptual to application stage. The historical evolution of what is being called the tourism industry is examined, and the economic, environmental and socio-cultural impacts, both positive and negative, of tourism development are discussed in detail. Government policies and organizations that influence tourism development are examined, models used to plan for development are discussed and the tools needed for successful development are reviewed. Target audience for this course is centered on the upper level undergraduate and graduate student pool. The instructor will offer many real world examples from his international work including a a case study assignment dealing with a National Park development plan in Zambia.
Style: 70% Lecture, 30% Discussion.
Grading: 30% mid exam, 30% final exam, 30% reports/papers, 10% class participation.
Exam Format: Essay

ApEc 4481 Futures and Options Markets
3 credit(s); [3001 or Econ 3101], [AnSc 2211 or OMS 1550 or Stat 3011], 60 cr] or instr consent Credit will not be granted if credit has been received for: APEC 5481;
Instructor: Bozic, Marin
Description: Student may contact the instructor or department for information.

ApEc 4501 Financial Modeling
A-F only, 3 credit(s);
Instructor: Lazarus, William Franklin
Description: The objective of the course is to give students experience in designing and implementing solutions to financial and management problems with the use of the advanced features of the Microsoft Excel spreadsheet software and its VBA programming language. The course will emphasize the development of computer-based tools, rather than the use of existing tools or templates. In this way students will gain valuable practical experience in how to interpret and implement concepts and theories that are found in the fields of economics, finance and management. This is a full-semester, 3-credit course that incorporates a combination of short introductory lectures, cases, and computer labs. The course will meet twice per week in the computer lab.
Style: 10% Lecture, 90% Laboratory.
Grading: 10% in-class presentation, 90% laboratory evaluation.

ApEc 4821W Business Economics and Strategy
3 credit(s); Meets CLE req of Writing Intensive
Instructor: Cakir, Metin
Description: Student may contact the instructor or department for information.

ApEc 5032 Economic Data Analysis for Managerial and Policy Decisions
**ApEc 5152 Applied Macroeconomics: Income and Employment**
3 credit(s);
Instructor: Roe, Terry Lee
Description: The course begins with a review of the fundamentals of micro economics of the consumer and firm. These fundamentals are used to develop, explain and apply a static general equilibrium trade model of an economy. Selected economy wide policies are discussed such as the basics of financial crises. The next section introduces the Solow model and growth accounting. The last section draws upon the static and the Solow model and growth accounting to develop a multi-sector growth model. This framework is used to explain savings, sources of growth, change in economy structure, and long-run equilibrium concepts.
Style: 80% Lecture, 20% Discussion.
Grading: 45% mid exam, 45% final exam, 10% problem solving.
Exam Format: Essay

**ApEc 5321 Regional Economic Analysis**
3 credit(s);
Instructor: Mykerezi, Elton
Description: Style: 70% Lecture, 25% Discussion, 5% Student Presentation.
Grading: 25% mid exam, 35% final exam, 30% reports/papers, 10% in-class presentation.
Exam Format: I prepare between 10 and 15 essay-type questions. These questions are provided to the students one week before the exam. For the in class exam 3 are selected randomly.

**ApEc 5481 Futures and Options Markets**
3 credit(s); Credit will not be granted if credit has been received for: APEC 4481;
Instructor: Bozic, Marin
Description: Student may contact the instructor or department for information.

**ApEc 5651 Economics of Natural Resource and Environmental Policy**
3 credit(s); [3001 or ECON 3101], [3611 or ECON 3611 or ESPM 3261] or instr consent Credit will not be granted if credit has been received for: PA 5722;
Instructor: Goodkind, Andrew Lloyd
Description: The course is designed to introduce students to how economists approach environmental problems and the use of natural resources. This includes examining methods to determine the ‘right’ amount of protection and utilization of environmental goods, and why environmental problems may require government intervention. Theory and practical implementation of regulations of pollution and extraction of renewable and non-renewable natural resources are discussed. Finally, students are exposed to methods of valuing non-market environmental resources.
Style: 80% Lecture, 20% Discussion.
Grading: 30% mid exam, 30% final exam, 35% written homework, 5% class participation.

**ApEc 5811 Cooperative Organization**
3 credit(s);
Instructor: Boland, Michael Aloysius
Description: In the first half of the semester we will look at specific cooperatives and their role in various industries across the world. I have written more than 80 case studies on food firms, many of which are cooperatives. The ones I anticipate using in the class include dried fruit (Sun-Maid Raisins), prunes (Sunsweet), dairy products (Land O’Lakes, Cass-Clay), coffee (Coopuxe in Brazil), citrus (Sunkist), dairy products (Colun in Chile), almonds (Blue Diamond), apple juice (Treetop), peaches (California Cling Peach Growers association), cranberries (Ocean Spray), rural utilities (rural electric cooperative), lamb (Mountain States Lamb Cooperative), sugar (American Crystal Sugar), ag inputs (CHS, Inc.), and grape (Welch?). In many cases, we will have a representative from the cooperative visiting with us by speaker phone or other technology. I anticipate that we will also collaborate with a similar class at Montana State, North Dakota State, and University of Idaho on a series of case studies. Topical Content: Week 1: Introduction to Cooperatives and the Class Focus on principles and application of principles Week 2: Principles of Cooperatives Week 3: Equity management and cooperative finance Week 4: What led to first cooperative and Rochdale Pioneers and
similar activities in USA

Week 5: History of Group Action Efforts in the USA leading up to Capper-Volstead Act of 1922
Week 6: Exam over Principles and how they have been applied Move to a discussion about how different public policies have helped cops in these industries flourish
Week 7: Cooperatives in the Tree Fruit and Tree Nut industries in the USA
Week 8: Cooperatives in the agricultural Input Supply industries in the USA
Week 9: Cooperatives in the utility and credit industries in the USA Move to an application of principles and policies abroad
Week 10: Cooperatives overseas: Latin American and European and Oceania experiences
Week 11: Cooperatives overseas: African and Asian experiences Integrative discussion

Weeks 12-15: student reports

Style:
20% Lecture, 50% Discussion, 10% Small Group Activities, 10% Student Presentation, 10% Guest Speakers.

Grading:
I expect to have two exams, one report, and in-class discussion.

Exam Format: Writing exam (no multiple choice or true / false questions)

ApEc 5891 Independent Study: Advanced Topics in Farm and Agribusiness Management
1-4 credit(s), max credits 4, 1 completion allowed;
Instructor: STAFF
Description: Special topics or individual work.
Style: Varies/individually
Grading: 100% other evaluation. Varies

ApEc 5991 Special Topics and Independent Study in Applied Economics
1-4 credit(s), max credits 12, 12 completions allowed;
Instructor: STAFF
Description: Special classes, independent study, and supervised reading and research on subjects not covered in regularly offered courses. Coursework varies by instructor. No exams usually given.

ApEc 8003 Applied Microeconomic Analysis of Game Theory and Information
A-F only, 2 credit(s);
Instructor: Polasky, Stephen
Description: Student may contact the instructor or department for information.

ApEc 8004 Applied Microeconomic Analysis of Social Choice and Welfare
A-F only, 2 credit(s);
Instructor: Coggins, Jay S
Description: Student may contact the instructor or department for information.

3 credit(s);
Instructor: Coggins, Jay S
Description: Student may contact the instructor or department for information.

ApEc 8206 Dynamic Optimization: Applications in Economics and Management
3 credit(s);
Instructor: Homans, Frances Reed
Description: Student may contact the instructor or department for information.

ApEc 8212 Econometric Analysis II
4 credit(s);
Instructor: Glewwe, Paul W
Description: Student may contact the instructor or department for information.

ApEc 8403 Consumer Theory and Demand Analysis
A-F only, 3 credit(s);
Instructor: Beatty, Timothy KM
Description: Student may contact the instructor or department for information.

ApEc 8501 Labor Economics I
A-F only, 2 credit(s);
Instructor: Ritter, Joe
Description: Student may contact the instructor or department for information.

ApEc 8502 Labor Economics II
A-F only, 2 credit(s);
Instructor: Davis, Elizabeth E
Description: Style: 50% Lecture, 20% Discussion, 30% Student Presentation.

ApEc 8702 Economic and Trade Policy: Sectoral and Institutional Issues
3 credit(s);
Instructor: Smith, Pamela Jane
Description: Student may contact the instructor or department for information.

ApEc 8703 Microeconomic Analysis of Economic Development
A-F only, 3 credit(s);
Instructor: Glewwe, Paul W
Description: Student may contact the instructor or department for information.

ApEc 8803 Marketing Economics
A-F only, 2 credit(s);
Instructor: Cakir, Metin
Description: Student may contact the instructor or department for information.

ApEc 8902 Graduate Research Development Seminar
S-N only, 1 credit(s);
Instructor: Pederson, Glenn Darwin
Description: Student may contact the instructor or department for information.

ApEc 8902 Graduate Research Development Seminar
S-N only, 1 credit(s);
Instructor: Hurley, Terry
Description: Student may contact the instructor or department for information.

ApEc 8904 PhD Qualifying Paper Seminar II
S-N only, 1 credit(s);
Instructor: Beatty, Timothy KM
Description: Student may contact the instructor or department for information.

ApEc 8991 Advanced Topics in Applied Economics
1-6 credit(s), max credits 6;
Instructor: Kleiner, Morris M
Description: Student may contact the instructor or department for information.

ApEc 8991 Advanced Topics in Applied Economics
1-6 credit(s), max credits 6;
Instructor: Taff, Steven J
Description: Student may contact the instructor or department for information.

ApEc 8991 Advanced Topics in Applied Economics
1-6 credit(s), max credits 6;
Instructor: Glewwe, Paul W
Description: Student may contact the instructor or department for information.

ApEc 8991 Advanced Topics in Applied Economics
1-6 credit(s), max credits 6;
Instructor: Beatty, Timothy KM
Description: Student may contact the instructor or department for information.

Applied Plant Sciences  411 Borlaug Hall

APSc 8123 Research Ethics in the Plant and Environmental Sciences
S-N only, 0.5 credit(s); Grad student Credit will not be granted if credit has been received for: PLPA 8123;
Instructor: Anderson, James Allan
Description: Student may contact the instructor or department for information.

**Applied Professional Studies  20 Ruttan Hall**

**APS 5201 Career and Job Search Preparation for Graduate Students**
S-N only, 1 credit(s);  
Instructor: Okstad, Brian Clay  
Description: This class is ideal for graduate students, from any area of study, interested in non-academic careers. Preparation is the focus of this class; though it will be useful to any graduate student, it will be most valuable if taken before students’ last semester. Career and Job Search Preparation for Graduate Students will help you identify your top skills/strengths and learn how to market these qualities through cover letters, resumes, curriculum vitae (CV) and job interviews. Through this course you will also learn how to research employers to determine their fit for your unique skills and personality. You will also learn how to network effectively in your industry to identify job openings and to negotiate once you have received a job offer. Note: Course meets 11 times over 15 weeks.

**APS 8001 Introduction to Research in the Biological Sciences**
S-N only, 1 credit(s);  
Instructor: Wallace, Robert  
Description: Student may contact the instructor or department for information.

**APS 8002 Final Project Course for Plan B MBS Students**
S-N only, 2 credit(s);  
Instructor: Schottel, Janet L  
Description: Student may contact the instructor or department for information.

**APS 8003 Capstone Course for Plan C MBS Students**
S-N only, 2 credit(s);  
Instructor: Fruen, Brad  
Description: Student may contact the instructor or department for information.

**APS 8110 Graduate Seminar Series**
S-N only, 1 credit(s), max credits 10, 10 completions allowed;  
Instructor: Schottel, Janet L  
Description: Student may contact the instructor or department for information.

**Arabic  220 Folwell Hall**

**Arab 1102 Beginning Arabic**
5 credit(s); 1101 or instr consent Credit will not be granted if credit has been received for: ARAB 4102;  
Instructor: Khalek, Hisham A  
Description: Description: Beginning 1102 is the second in a sequence of Arabic courses designed to teach reading, writing, listening and speaking formal Arabic, also known as Modern Standard Arabic (MSA). The class continues to build upon and reinforce what was learned in 1101 with strong emphasis on learning basic communicative interactions. The course presents theme based topics aimed at delivering practical and functional material. The course also introduces students to the cultures of the Arabic-speaking people. The target audience includes undergraduate as well as graduate students. The text used is: Marhaba by Hisham Khalek  
Style: 40% Lecture, 40% Discussion, 20% Small Group Activities. Culture.  
Grading: 20% mid exam, 25% final exam, 15% quizzes, 15% written homework, 10% class participation, 15% laboratory evaluation, 20% homework.  
Exam Format: Multiple choice and fill in the blank.

**Arab 1102 Beginning Arabic**
5 credit(s); 1101 or instr consent Credit will not be granted if credit has been received for: ARAB 4102;  
Instructor: Ben Zahra, Saloua  
Description: Description: Beginning 1102 is the second in a sequence of Arabic courses designed to teach reading, writing, listening and speaking formal Arabic, also known as Modern Standard Arabic (MSA). The class continues to build upon and reinforce what was learned in 1101 with strong emphasis on learning basic communicative interactions. The course presents theme based topics aimed at delivering practical and functional material. The course also introduces students to the cultures of the Arabic-speaking people. The target audience includes undergraduate as well
as graduate students. The text used is: Marhaba by Hisham Khalek.

Style: 40% Lecture, 40% Discussion, 20% Small Group Activities. Culture.
Grading: 20% mid exam, 25% final exam, 15% quizzes, 15% written homework, 10% class participation, 15% laboratory evaluation. 20% homework.

Exam Format: Multiple choice and fill in the blank.

Arab 1102 Beginning Arabic
5 credit(s); 1101 or instr consent Credit will not be granted if credit has been received for: ARAB 4102;
Instructor: Hamouchi, Abdelkader
Description: Student may contact the instructor or department for information.

Arab 3102 Intermediate Arabic
5 credit(s); 3101 or instr consent Credit will not be granted if credit has been received for: ARAB 4122;
Instructor: Ben Zahra, Saloua
Description: Arabic 3102 is a continuation of Arabic 3101. It is designed to further develop language proficiency in modern standard Arabic in the four language skills. In speaking, the focus is on the use of everyday expressions through discussion and presentations. In reading, the focus is on reading authentic text material. Writing is emphasized especially through writing compositions and homework assignments. Listening exercises and drills are utilized in class by listening to web-based recordings and in the language lab by practicing interactive Arabic drills. In addition, students will further develop and enhance their knowledge of the culture of the Arab world. The target audience is undergraduate and graduate students.
Style: 25% Lecture, 10% Film/Video, 25% Discussion, 10% Laboratory, 20% Small Group Activities, 10% Student Presentation.
Grading: 25% mid exam, 25% final exam, 15% reports/papers, 15% written homework, 10% in-class presentation, 10% class participation. Multiple choice, fill in the blanks and inference from reading short articles and listening to Arabic excerpts.

Arab 3102 Intermediate Arabic
5 credit(s); 3101 or instr consent Credit will not be granted if credit has been received for: ARAB 4122;
Instructor: Mohammed, Sidow Abdishariff
Description: Arabic 3102 is a continuation of Arabic 3101. It is designed to further develop language proficiency in modern standard Arabic in the four language skills. In speaking, the focus is on the use of everyday expressions through discussion and presentations. In reading, the focus is on reading authentic text material. Writing is emphasized especially through writing compositions and homework assignments. Listening exercises and drills are utilized in class by listening to web-based recordings and in the language lab by practicing interactive Arabic drills. In addition, students will further develop and enhance their knowledge of the culture of the Arab w