

FALL 2003 CATALOG SUPPLEMENTAL COURSE DESCRIPTIONS

This section is the supplement to the current undergraduate and graduate catalogs.
Courses not found nor fully described in the 2002-03 catalog are printed here.

ANIMAL SCIENCE

ANSC 367-010 EQUINE DISEASES AND LAMENESS

A study of infectious and non-infectious diseases common to the horse. Emphasizes principles of pathophysiology, manifestation, prevention, and control. Approximately one third of course content will include types, cause, and management of musculoskeletal diseases (lameness) in the horse.

ANSC 367-011 BASIC EQUITATION

An introduction to horsemanship, including horse handling and equipment, as well as, an introduction to riding, driving, and training techniques. Students will participate in the handling and training of horses while learning riding and driving skills.

ANTHROPOLOGY

ANTH 367-010,080 ANTHROPOLOGY OF BIOGRAPHY

Study culture through biographies and autobiographies of individuals from major cultural zones of the world and through related ethnographic films. Materials will be placed in a context of modernist and post-modernist approaches to the analysis of the subjects' cultures and relationships between the individual and her/his own society.

ANTH 367-011 AMERICAN ANABAPTISTS: AMISH, MENNONITE, & BRETHREN CULTURES

Examines the origins, development, and current status of Amish, Mennonite, and Brethren communities in the United States. Emphasis on the varied methods used to establish and maintain a visible and distinctive identity separate from mainstream American culture. Discusses the merchandizing and consumption of their separate identity through tourism.

ANTH 367-410 ANTHROPOLOGY AND BUSINESS CAPITALISM

Considers how culture affects business and capitalism in societies worldwide--and how modern capitalist life affects culture. Looks at business and enterprise in our own cultures including Japanese, Chinese, and Islamic, and the nature of diverse work cultures from direct-sales organizations to dot.coms, and from street-vendor businesses to mega-corporations. Considers the role of working women in different cultures.

ANTH 390-080 HNRS CLQ: PYRAMIDS, PRIESTS AND PALACES

Introduces students to discoveries of ancient civilizations from the Near East, Africa, Mesoamerica, and South America. Considers the nature of the societies that produced these archaeological finds along with two related questions: Why did these societies develop when and where they did? And, why did all of them ultimately collapse?

ARTS AND SCIENCE

ARSC 167-010 CAREER DEVELOPMENT: HOW TO SELECT A MAJOR THAT FITS YOU

Designed to give freshman undeclared students the skills and tolls needed to identify a career path, and to learn of academic majors and enrichment activities that will clarify and assist in career decision making.

ART HISTORY

ARTH 406-080/606-011 SEM: EARLY IRISH AND ANGLO-SAXON ART

Focus on the formative period of insular art especially in the northern British Isles from the sixth through the eighth centuries. Special attention given to the development of manuscript illumination and precious metalwork.

ARTH 467-010/667-011 MEANINGS OF SLAVERY IN AFRICAN, EUROPEAN AND AMERICAN ART

Working with a strategic, restricted selection from West Africa, western Europe, the USA and Brazil in the period 1760-1880, the seminar explores the radical insights into slavery, its politics, its interiorized experience and dispersed moral dilemmas, that are (perhaps unexpectedly), not discovered in contemporary writing.

ARTH 467-011/ARTH 667-012 ICONOCLASM AND AESTHETICS

Discusses four philosophers, Heidegger, Adorno, Derrida and Danto, in connection with three art historians, Schapiro, Buchloh and Krauss; and four artists, van Gogh, Richter, Tansey and Sherman.

ARTH 616-010 STDS: BAROQUE POETICS AND IMAGERY

Discussion of the allegorical and metaphorical language of 17th-century art in its literary and religious context. Topics include: conceit, illusionistic ceiling painting, visual puns, rhetorical theory. The rebirth of the baroque conceit in modern advertising will also be considered.

ARTH 636-010 STDS: ART AND CLASS AT THE DAWN OF MASS CULTURE

Examination of selected types of visual art in terms of class issues; case studies drawn from the mid 19th to early 20th centuries, when a new mass culture disrupted older forms of audience and patronage. Includes paintings, prints, stereographs, visual amusements, magazine illustrations.

ARTH 667-010 THEORIES AND METHODS IN ARCHITECTURAL HISTORY

Introduction to issues and methodologies in architectural and urbanism history. Readings in philosophy and sociology and in recent works of architectural and urbanism history they have inspired. Organized thematically (capitalism; colonialism; print culture; etc.).

BUSINESS ADMINISTRATION

BUAD 367-010 BUSINESS AND SOCIETY

Focuses on the interface between business and the social-environmental dynamics of the surrounding society. Special emphasis is given to concepts and practices related to socially responsible business and sustainable development.

CHEMISTRY

CHEM 667-014/BUAD 667-014/CHEG 667-014 MULTIDISCIPLINARY TEAMWORK IN BIOTECHNOLOGY

Industrial speakers discuss broad technological challenges in the biosciences. Teamwork across science, engineering and business administration are developed to address these challenges. A research project with written and oral presentations enhances teamwork and communication.

CIVIL ENGINEERING

CIEG 467/667-011 PRINCIPLES OF MODERN WATER & SEDIMENT QUALITY CRITERIA

Presents the toxicological and chemical background and the technical basis necessary for understanding the methods used to develop water quality and sediment quality criteria. Considers both organic chemicals and metals. Includes narcosis models of toxicity for individual chemicals and mixtures, complexation models for organics and metals applied to both the water column and sediments.

CIEG 467/667-012 TRAFFIC NETWORK SIMULATION AND MODELING

Provides participants with a comprehensive understanding of traffic simulation model-building and application. Includes CORSIM (TRAF-NETSIM and FREESIM), Synchro and HCS - all nationally recognized computer tools. Consists of lectures and hands-on use of microcomputers. The concepts of roadway operations and capacity, traffic flow theory, signal systems, ramps and weaving sections will be examined and analyzed utilizing these tools.

CIEG 467-013 CONSTRUCTION MANAGEMENT & ENGINEERING

Provides an overview of today's construction industry, as well as future trends and prospects. Covers construction processes, field engineering, and project management. Designed to equip the young engineer with the basic knowledge and skills required to function as a field engineer or construction manager. Includes estimating, cost control, quality control, safety, productivity, value engineering, claims and legal issues.

CIEG 667-010 CIVIL INFRASTRUCTURE SYSTEMS

Designed to provide objective information and useful data for analysis so that civil infrastructure managers can make more consistent, cost effective and feasible decisions related to the preservation of civil infrastructure. Provides theory and principles of civil infrastructure management system and introduces AASHTO guidelines in asset management, discusses resource requirements and the importance of institutional issues.

CIEG 667-014 FOUNDATION & GEOTECHNICAL ENGINEERING DESIGN

Addresses the geotechnical design and construction monitoring of: earth slope stability, embankment construction and settlement, shallow foundations, driven piles and drilled shafts. In addition, practical aspects of subsurface investigations, lab testing and the selection of soil and rock design properties are addressed

COMMUNICATIONS

COMM 318-010 TPCS: BROADCAST NEWSWRITING

Writing for broadcast news, including news judgment, news gathering, writing and editing. Some discussion on legal and ethical issues.

COMM 318-080 HNRS: TPCS: MASS COMMUNICATION SEMINAR

Explores issues relating to violence and television from the perspectives of institutional policy, content, and effects.

COMM 343-080: HNRS: TPCS: INTERPERSONAL COMMUNICATIONS

Negotiation occurs when people or groups believe that their goals are in conflict and that reaching an agreement will make goal attainment more likely. Studies negotiation both between groups and within groups, and analyze discussions that occurred during within-group negotiations.

COMM 418-010 TPCS: BROADCAST NEWS

Communication students learn the pressures and standards of broadcast news while writing and producing a scheduled studio TV news program. Emphasis on writing news for broadcast, program story-selection issues, video selection, interviewing techniques, professionalism.

COMM 425-010/POSC 425-010 TPCS: GLOBAL MEDIA AND INTERNATIONAL POLITICS

Explores the role of global news media in a world where politics and media both cross national boundaries. Focus on international politics and media.

COMPUTER SCIENCE

CISC 459-010 TPCS: NETWORK AND SYSTEM SECURITY

Provides in depth looks at concepts that are essential in maintaining a secure network of computers connected to the Internet. Covers information security, classic/common exploits and how to prevent them, buffer overflows, cryptography, and several other security fundamentals. Prereq: CISC361

CISC 479-010,011 TPCS: SYSTEMS ADMINISTRATION

Introduces students to the internals of UNIX, trouble-shooting system and network problems, hardware and software configuration and installation, and security aspects of hosts on the Internet. Multi-operating system integration will also be discussed. Prereq: CISC 361 (C or better)

CISC 889-010 TPCS: AGENTS, WEB SERVICES, AND GRID COMPUTING

The ubiquity of networked computers has hastened the need for distributed applications. Modern environments tend to be open, dynamic, and cross organizational boundaries. We examine three technology areas, comparing and contrasting their approaches to (for example) service description, discovery, communication, security, composition, and coordination.

ECONOMICS

ECON 267-017/POSC267-017 CIVICS AND ECONOMICS FOR ELEMENTARY EDUCATORS

Provides elementary teacher candidates with an understanding of the fundamental content and concepts in the core social studies subjects of civics and economics as they relate to instruction in grades K-8. Attention given to how the content and concepts in these two subject areas might be taught in elementary classrooms.

ECON 367-050 THE ECONOMY OF FAMILY BUSINESS

Enables students to apply economic reason to some of the issues unique to family business - the role of entrepreneurship, family issues, the dynamic of changing markets, and the next generation.

EDUCATION

EDUC 867-010 PROSEMINAR ON TEACHING IN HIGHER EDUCATION

This applied course will provide you with opportunities to consider and implement multiple instructional and assessment techniques, while also addressing how to deal with challenges that may arise with planning, with technology and with students.

ENGINEERING TECHNOLOGY

EGTE 467-010 MANUFACTURING

Basic processes, technologies, process systems, and current advances. Processes include: metal cutting, forming, plastic molding, packaging, and food processing. Current advances and technologies include: lean manufacturing, robotics, just-in-time, ergonomics, controls, and quality management.

ELECTRICAL ENGINEERING

ELEG 467-010 ETHICS AND CAREER SURVIVAL SKILLS

The ethical component of the course can be used to cover the following topics: ethics and electrical and computer engineering impact in a global and social context, computer ethics, lifelong learning opportunities, career survival skills, communication and the art of negotiation, job searching strategies.

ELEG 467/667-015 PHOTONIC CRYSTAL DEVICES AND INTEGRATED CIRCUITS

Introduces design and fabrication tools required for photonic crystal structures. Begins with a working knowledge of their basic operational physics and then introduces mathematical and computational methods for their design. Discusses various fabrication methods, such as lithographic and self-assembly methods.

ELEG 467-017/667-011 SOLID STATE NANO-ELECTRONICS

Develop principles of solid state physics underlying nanoelectronic device operation. Topics include semiconductors, dielectrics, polymers, magnetism, superconductors, biomaterials and nanophase materials. Phenomena include quasiparticle excitations, defects, Boltzmann transport, and the thermodynamics of materials. Concepts will be described in terms of applications for nanotechnology.

ELEG 667-010 OPTICAL PROPERTIES OF SOLIDS

Presents the underlying principles of optical propagation and absorption in solids, including insulators, metals, semiconductors, low dimensional solids (quantum wells, wires, and dots), as well as stratified (thin-film) media, optical filters, and electro-optic devices.

ELEG 667-016 INTRODUCTION TO QUEUING THEORY AND PERFORMANCE MODELING

Review of Markov Chains and simple queuing theory; advanced queuing theory; approximations, open and closed networks of queues; computational techniques; priority queuing; scheduling. Prereq: Any introductory probability course.

ELEG 867-011 RF AND MICROWAVE TECHNOLOGY

Modern telecommunications and datacom systems operate at frequencies in the radio frequency (RF) and microwave range. Explains the basic concepts and technologies required to design RF and microwave devices, circuits, and system. Discusses examples of applications to wireless and lightwave systems.

FOOD AND RESOURCE ECONOMICS

FREC 167-010 ISSUES IN NATURAL RESOURCES AND THE ENVIRONMENT

Surveys pressing issues in the management of natural resources, environmental protection, and international development (improving the well-being of people). Highlights Interconnections. Encourages critical thinking about these issues by applying basic policy analysis, considering the ethical dimensions of policy, and drawing on economic indicators of environmental equality and human health.

GEOGRAPHY

GEOG 267-010-016/POSC 267-010-016/SOCI267-010-016 NEWARK, DE: PEOPLE, POLITICS AND PLACE

Explores how Newark is like other college towns and why Newark looks/acts/feels like it does. Examines the relationships between the City of Newark, UD, landlords, businesses and residents, and involves students in local issues by participating in a service-learning project. Discovers how places are created via the visions, actions, and attitudes of the people who live there.

GEOG 367-010/COMM367-010 ENVIRONMENTAL VIDEOGRAPHY

Blends geographical inquiry and electronic storytelling. Research and produce short video documentaries on local environmental and social issues. Investigate spatial distribution, science and politics involved in resource management and social policy. Learn the techniques of video field-production. Research, write, shoot and edit stories, producing effective video communication.

GEOLOGY

GEOL 667-010 QUATARNARY ENVIRONMENTAL MICROPALEO

Environmental interpretation of Pleistocene and Holocene coastal to deep-sea sediments using foraminifera and other microfossils.

HEALTH AND EXERCISE SCIENCES

HESC 667-010 SURVEY RESEARCH METHODS

Emphasis on procedures for designing survey based research studies, including choice of subjects, development of proper instrumentation, statistical design and analysis, and formulation of proposals appropriate for publication.

HEALTH PROMOTION

HLPR 867-440 SOCIAL MARKETING

Covers the application of marketing principles to health behavior change. Includes the development, implementation, and evaluation of social marketing campaigns; theories of behavior change applied to marketing; message development, targeting and segmentation; and analysis of current social marketing initiatives related to tobacco, alcohol and other drugs, physical activity, and healthy eating.

HISTORY

HIST 367-010 WOMEN, REVOLUTION, AND SOCIAL CHANGE IN MODERN LATIN AMERICA

Examines revolution, repression, dictatorship, and democracy, considering the relationship between women, gender, and significant social, economic, and political processes in modern Latin America. Covers the Independence movements of the early nineteenth century to the women's grassroots mobilizations that helped overturn recent dictatorships.

HIST 367-011 AMERICAN SPORTS HISTORY

Traces major developments in American sports since the Civil War. Discussions include the Professionalization of sports and the transformation from amateur game to big business; race, ethnicity and the evolving position of African American athletes; women in sports; the "Golden Age" in the 1920s and athletic celebrities; mass media's effect on sports; and the effect of the changing social climate of the 1960s.

HIST 367-012 WORLD WAR II

Offers a survey of World War II, the largest and most destructive armed conflict in human history. Utilizes the prisms of strategy, logistics, and gender to analyze the conflict. Emphasis on military events and personalities, includes diplomacy, economic factors, home fronts, and atrocities.

HIST 367-410 REVOLUTIONARY DELAWARE

Covers Delaware during the period of 1760-1812. Explores political and social developments in Delaware during these years, looking at Delaware's leaders as well as the "lower orders": less wealthy whites, free blacks, and slaves.

HIST 475-010 SEM: EUROPEAN ARISTOCRACIES

Analyses the role of aristocracies during their peak centuries of wealth and power during the early modern and modern periods. Focus on sources of wealth, styles of living, the role of women, and political influence. Comparisons between countries in surveys of court life, admission of new entrants, business activities, and meeting the challenges of democracy and revolution. Includes England, Ireland, Germany, Italy, and Russia.

HIST 667-012 AMERICAN VERNACULAR LANDSCAPES

Graduate reading seminar with a strong emphasis on material culture. Includes settlement, agricultural, urban, suburban, public, ethnic, and industrial landscapes. Examines how a variety of scholars, including geographers, historians, artists, and writers have treated the landscape as subject and object.

LIBERAL STUDIES

MALS 625-010 FILM AND AMERICAN SOCIETY

Using major motion pictures, this course will explore how Hollywood dealt with critical historical events: the Cold War, McCarthyism, the Civil Rights Movement, Vietnam, Watergate, & the modern Presidency.

MALS 667-010 THE AMERICAN WEST

Surveys the history of the American west through the eyes of its diverse population as well as those who are drawn to study and define it. Focus on issues and themes currently debated concerning the legacy, meaning and imagery of the American west as expressed through art, music and film.

MALS 667-011 THE HUMAN CONDITION

Explores politically complex societies in South America as they developed in prehistoric, colonial and modern times. Includes Tiwanaku, Chibcha, Inka, the viceroyalties of Peru and New Granada, and in modern times, Colombia and Peru. Considers how politically and economically centralized politics functioned, and the connections they had with other groups, both nearby and at great distances, from early pre-hispanic times to the present.

MALS 667-410 HISTORY OF FOOD IN THE AMERICAS

Food is both a basic necessity of life and one of the most complicated creations of our society. This course will explore the history of business, technology, work, and consumer dimensions of food provisioning systems in the Americas. Readings will be combined with trips to area food institutions.

MALS 667-430 THE VIETNAM WARS

Seeks to provide students with the historical and cultural perspectives to understand the causes, course, and consequences of the First, Second, and Third Indochina Wars, with the bulk of the coverage focusing on the Second Indochina War, known to Americans as "The Vietnam War" and to Vietnamese as "The American War."

MALS 667-431 HOMER'S EPICS IN LITERATURE & FILM

Explores Homer's Iliad and Odyssey and the impact and influence of those works in western literary culture. Examines such varied materials as Joyce's Ulysses, Jonathan Shay's Achilles in Vietnam, Elizabeth Cook's Achilles, and the film O Brother, Where Art Thou?

MARINE STUDIES

MAST 667-010 GENETICS OF MARINE ORGANISMS

Focus on population and evolutionary genetics of marine organisms. Topics covered by lectures and discussion groups will include population structure, phylogeny, adaptation, and applications of genetics to marine science.

MAST 667-011 MARINE ETHNOBOTANY

Explores the use of indigenous marine plants by human coastal cultures for food, medicine, fabric, shelter, chemicals, fuel, and other needs. Analyzes plant features that result in useful products. Examines characteristics of the relationships between human groups and coastal plants that make the associations sustainable.

MAST 667-013 MARINE TRANSPORTATION POLICY

Provides an overview of marine transportation policy and develops analytical techniques in the contexts of local, national, and international perspectives. Includes maritime transportation technology and projected fleet development; overview of policy frameworks affecting trade, safety, and environment; quantitative analysis of shipping business economics under policy constraints.

MAST 667-015 DECISION TOOLS FOR POLICY ANALYSIS

Develops quantitative decision-making skills for science and technology policy decisions. Covers decision-making under uncertainty, axioms of decision analysis, decision trees, influence diagrams, sensitivity analysis, confidence intervals, value of information, probabilistic risk assessment, and multi-attribute decision theory.

MAST 827-010 TPCS: MARINE BIOLOGY FISH BIOLOGY

Focuses on current topics in fish biology and fisheries research. Students lead discussions by representing topical seminars, critiquing research papers from the current literature, or presenting their thesis or dissertation research.

MAST 827-011 TPCS: MARINE BIOLOGY LARVAL ECOLOGY

Critical evaluations of recent literature in the field. Class meetings consist of structured discussions. Each student will lead at least one discussion during tenure of the course.

MAST 867-010 INTRODUCTION TO MODELING OF GEOPHYSICAL FLOWS

Introduction to modeling of geophysical flows using finite difference methods. Numerical solutions of partial differential equations are developed, and their stability and applicability to geophysical flows are discussed. Students develop a hierarchy of simple numerical rectangular fluid basin models subject to a variety of forcing mechanisms.

MATH

MATH 167-010 QUANTITATIVE REASONING

Modern world applications of mathematics. Quantitative reasoning used in everyday life. How mathematics is used in a variety of topics and issues. Combines critical thinking skills with basic mathematics in contexts encountered in various disciplines such as social sciences, business and economics.

MATH 267-010 FUNDAMENTALS OF GEOMETRY

Designed to study geometric concepts that support the curriculum of the middle and secondary schools. Covers intuitive geometric topics, the structure of a deductive system, logical reasoning, and the process of proof.

MATH 267-011 PERSPECTIVES ON MATHEMATICS

Nontechnical exposure to contemporary mathematical thought, practice, and applications. Introduction to library, web, computing, and other campus tools for math research and learning. A variety of faculty members and others will lead informal presentations and discussions.

MATH 821-010 TOPICS IN APPLIED ANALYSIS

The main theme of this course is the mathematics of financial derivatives. Topics will include: Financial markets, models of stock price behavior, Black-Scholes theory, hedging, bond and interest rate options, exotic options, numerical methods, other option pricing methods.

MECHANICAL ENGINEERING

MEEG 867-010 STATISTICAL THERMODYNAMICS

Review of classical mechanics and thermodynamics, the canonical ensemble, fluctuations, thermodynamic properties of ideal gases, chemical equilibrium, virial equation of state and imperfect gases, gas kinetic theory, the Boltzmann equation, the continuity and Navier-Stokes equations, transport processes in dilute gases.

MUSEUM STUDIES

MSST 467-010 UNDERGRADUATE RESEARCH ON CULTURAL MATERIALS

Laboratory, field or archival research under supervision of instructor. Research focus on Cultural materials or preservation strategies. Assigned research topic selected from a list of potential topics during individual consultations between student and instructor. Provides introduction to research methods, experimental design and documentation of research results.

MUSIC

MUSC 167-010,011 STEEL BAND

This is an advance level ensemble made up of students who have prior steel band experience. There is an emphasis on reading and improvisation.

MUSC 367-010 INTRODUCTION TO RECORDING

Hands-on recording course which focuses on live location recording. Prereq: MUSC 105 or MUSC 095

NURSING

NURS 411-156/NURS 667-194 ADULT HEALTH AND DEVELOPMENT

Course on health-related issues of older adults. Includes healthcare in a changing system, political, legal and ethical issues, as well as coping with loss/end of life issues. Exposure to leaders in the healthcare of older adults through attendance at such events as conferences and workshops.

PHILOSOPHY

PHIL 367-010 TPCS: DAOISM

Read some seminal works in the various types of Daoist traditions in Chinese culture. Includes philosophical Daoism, but also religious and yogic Daoisms as well.

PHIL 465-010,080 SR.SEM: MORTALITY & IMMORTALITY

Assumes that we are mortal and asks whether, on that assumption, it is rational to dread death. Examines arguments for and against the common view that we are immortal.

PHIL 648-010/MALS 648-010/UAPP 648-010 ENVIRONMENTAL ETHICS

The purpose of the seminar is to introduce as many perspectives on ETHICS AND THE ENVIRONMENT as students feel they need in order to deal, ethically, with environmental problems.

PHIL 667-010 BIOETHICS

Practical introduction to methods in bioethics giving an understanding of the ethical dimension of such developments as growing human brain tissue in chimp brains, modifying the genetic makeup of our crops, and manipulating stem cells. Discusses and examines current controversies. Prior classes in either bioscience or philosophy strongly recommended.

PHYSICS

PHYS 467-010 APPROACHES FOR SOLVING PHYSICS PROBLEMS

Broad view of physics in preparation for further study in subject matter.

PLANT AND SOIL SCIENCES

PLSC 167-010 SOILS AND ENVIRONMENTAL ISSUES

Investigates how soils affect air quality, how soils affect water quality, and answer the question; when is it dirt, and when is it soil?

PLSC 367-010 FRUIT SCIENCE

A study of the major temperate zone fruit crops, their climatic requirements, growth and fruiting habits, and the principles involved in their production, harvesting, and marketing.

PLSC 367-080 HNRS CLQ: CHOCOLATE

Explores the deep, dark mysteries associated with the use of chocolate over the millennia. Covers origin, horticulture, chemistry, nutrition and properties. Or strictly for fun, this may be the course for you. Weekly taste test!

PLSC 467/667-010 ENVIRONMENTAL VIRIOLOGY

In depth consideration of viruses as they occur in natural environments. Includes basic biology of bacterial viruses; their importance as model systems; occurrence and detection of pathogenic viruses in natural environments; and the roll of viruses within microbial communities. Prereq: BISC 300 or PLSC 319 or equivalent, and permission of instructor.

PLSC 467/667-011 WEED SCIENCE: PRINCIPLE AND APPLICATION

Provides an introduction to weed science, focusing on applied weed management strategies. Includes knowledge about weeds, herbicide application techniques, background on tillage and cultural control methods, plant and soil system interactions with weeds, and the importance of biotechnology in weed management.

PSYCHOLOGY

PSYC 467-011 RESEARCH METHODS

Reviews the major issues involved in the design of psychological experiments. Includes measurement of psychological variables, internal and external validity of experiments, research with single subjects, and research ethics. Discusses both laboratory and field research. For students who plan to apply to graduate school in psychology.

PSYC 467-012 COGNITION AND EMOTION

Focus on the interplay between affective and cognitive processes--how feelings influence thought, and vice-versa. Includes the relationships between thinking, feeling, and the brain; how feelings might be related to self-consciousness; and how cognitive processes are altered in emotional disorders.

PSYC 867-010 INTELLIGENCE AND ACHIEVEMENT TEST

Provides training in the administration and interpretation of the major intelligence and achievement tests used in the assessment of children and adults.

PSYC 867-011 ORGANIZATIONAL BEHAVIOR

Study of attitude formation, motivation, commitment, and performance among employees.

SOCIOLOGY

SOCI 367-010 ISSUES IN EMERGENCY MANAGEMENT

Explores the changing nature of emergency and disaster management nationally and globally, and the issues that currently confront emergency managers with respect to planning, preparedness, mitigation and disaster recovery. Reviews the development of civil defense, emergency management and homeland security from an historical perspective. Discusses the professionalization of emergency management. Presents the effects of recent terrorist events.

SOCI 367-011 THE IMPACT OF SPORTS ON INTEGRATION AND CULTURE

Focuses on the United States, but includes a look at third world nations and worldwide imperialism. Starts in the mid 1800's with the sport of cycling and continues through to the 1968 Olympic boycott. Benefit to students in BAMS, HIST, SOCI and POSC.

SOCI 467-010 ORGANIZED CRIME

Seminar explores functions of organized crime; its history in the U.S., its relationship to ethnicity and its principal illegal activities.

SOCI 667-010 RACE, CLASS AND GENDER

Examines the intersecting inequality created by race, class, and gender stratification. Specific topics of investigation include economic restructuring and the labor market, increased immigration and population diversity, interest and the growth of identity movement, and new forms of the family-work nexus resulting from these social changes.

SOCI 667-011 RACE AND CRIME

Provides an introduction to the social scientific literature on racial inequality, crime, and the criminal justice process. Focus on analysis of competing theoretical explanations for interracial differences in crime rates and racial patterns in the apprehension, adjudication, and punishment of offenders. Highlights how media and political discourse reinforces racialized understandings of crime, offenders, victims, and criminal justice actors.

SOCI 667-012 TEACHING IN THE SOCIAL SCIENCES

Primary objective of this seminar is to stimulate interest in talking about teaching among faculty and graduate students in Psychology, Political Science and Sociology, each of which faces challenges in communicating our disciplines to undergraduates. These challenges constitute the content of this course.

STATISTICS

STAT 467/667-011 REGRESSION AND EXPERIMENTAL DESIGN

Provides an introduction and overview of inferential methods used in analyzing regression models and linear models for experimental designs. Material and applications are appropriate for upper level undergraduate students, graduate students, and research scientists in the Biological and Life Sciences, Sociology, Political Science, and Psychology, and students pursuing a minor in statistics.

STAT 667-010 TIME SERIES ANALYSIS

Introduction to fundamental topics in time series analysis. Features the Box and Jenkins techniques of fitting data into autoregressive moving averages in the time domain. Includes an introduction to the statistical packages needed for computations.

URBAN AFFAIRS AND PUBLIC POLICY

UAPP 667-011 CYBERLAW & E-LIABILITY

Reviews the basics of cyberlaw as well as examining employer and manager liability for employee use of the Internet. Includes issues such as copyright, privacy, cybercrimes, and telecommuting responsibilities of managers, e-mail liability, cyberslacking, digital moonlighting, and online ADA compliancy. Examines the establishment of appropriate internet-management policies.

UAPP 667-012 CONTEMPORARY TOPICS IN URBAN AFFAIRS & PUBLIC POLICY

Designed to bring recognized scholars in urban affairs and urban leaders together with students on a bi-weekly basis. Provides an opportunity for wide ranging discussion of current policy and research issues concerning communities and their citizens related to development, planning, democratic practice, social equity, and governance within local, regional, national, and world contexts.

UAPP 667-013 GIS IN PUBLIC POLICY

Presents examples of the use of GIS by the public sector at local, national and international levels. Includes hands on instruction in basic GIS use followed by more extensive hands on study of local and regional data. Incorporates the use of data in fields such as environmental analysis, health planning, land use planning, and education. Supplemented by demographic and socio-economic data drawn from the U. S. Census.

UAPP 667-014 SEMINAR IN COMMUNITY DEVELOPMENT & NONPROFIT LEADERSHIP

Examines the complex ways in which the concepts of community, analysis and development are used and understood. Students connect the concepts to issues, problems or policy alternatives affecting local communities by participating in applied projects involving one or more students or student-faculty teams

UAPP 667-015,016 INFORMATION TECHNOLOGY IN THE PUBLIC & NONPROFIT SECTOR

Introduces students to the issues surrounding IT Infrastructure in the public and nonprofit sectors. Focuses on three themes that impact the adoption, implementation, and evaluation of IT efforts: technology, policy, and administration.

UAPP 667-017 DEALING WITH CULTURAL DIFFERENCES AND ORGANIZATIONAL ADVANCEMENT

Intended to help individuals from diverse cultural backgrounds achieve organizational advancement and develop strategies to manage unique challenges they may face. Explores issues unique to diverse professionals; gains an understanding about unwritten rules, survival tools and techniques in today's workplace.

UAPP 667-018 MYERS -BRIGGS & EFFECTIVE ORGANIZATIONS

An introduction to the use of the Myers-Briggs instrument as a means of first understanding yourself and others and then building effective organizations with the gifts and talents of all members of the organization.

UAPP 867-011 PRINCIPLES OF EPIDEMIOLOGY FOR POLICY ANALYSIS

Introduces methods of epidemiologic investigation of diseases and other health-related disorders. Includes epidemiologic principles and techniques for monitoring, surveillance, and casual inference. Presents randomized trials, case-control studies, and cohort studies. Experience in measurement of morbidity and mortality, analysis of environmental hazards, health services evaluation, sensitivity and specificity, and risk assessment. Prereq: Graduate-level statistics, prior or concurrent.

WOMENS STUDIES

WOMS 267-010,080 WOMEN IN GLOBAL PERSPECTIVE THROUGH FILM

Explores women's experience through five feature films or about women cross culturally. Students will view the films, read a short article pertaining to each film and discuss and/or react to the themes and issues suggested by the film.

WOMS 389-010,080,410 TPCS: WOMEN AND HEALTH ISSUES

Examines women's health issues in comparison to men's including such topics as: longevity, cancer incidence and outcomes, cardiovascular diseases, psychiatric diseases, as well as childbearing issues and menopause.