

FALL 2002 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 267-010 INTRODUCTION TO EQUINE SCIENCES

Course in equine science and husbandry. Labs focus on selection procedures; hoof care; safety, handling and training; identification of feed; and basic equipment and use. Stresses the unique equine biology and science foundational to understanding function and husbandry.

ANSC 467-010/667-010 LACTATIONAL PHYSIOLOGY

Fundamentals of physiology and metabolism involved in initiation, maintenance and cessation of lactation. Emphasis on the lactating dairy cow, however comparisons with other common mammals will be observed. Neuroendocrine control of lactation, nutrient absorption and processing the mammary gland, and control of milk composition. Prereq: ANSC441 or ANSC 345 or approval of instructor.

ANTHROPOLOGY

ANTH 367-010 ANTHROPOLOGY AND BUSINESS CAPITALISM IN THREE CULTURES

Explores the culture of business, work, and money in three different cultures: Asian, Islamic, and Western. The objective is to better understand the ways in which capitalism and its power structures shape our professional and personal lives, and establish whether modern capitalism creates and requires the same culture of business everywhere.

ANTH 390-080 HNRS CLQ:LIFE IN TRIBES

Examines the nature of tribal societies as they actually exist and have existed in the past-communities of a few hundred to a few thousand people linked by kinship, language and culture in a flexible political structure quite different from the stereotype of tribal chiefs and warriors. Considers the theory and reality of how such societies come into being, vary and change over time.

ART CONSERVATION

ARTC 667-010 MICROSCOPY ANALYSIS OF PAINTED SURFACES

Introduction to the use of cross-section microscopy techniques applied to real-world coating problems and questions. Develops practical skills in examining, sampling, interpreting, and understanding painted and varnished, decorative and architectural surfaces. Involves the application of optical microscopy techniques to ongoing conservation treatments.

ART HISTORY

ARTH 367-010 SEM:WINTERTHUR

Study of the fine and decorative arts and material culture of the United States focusing on the extensive collections at the Winterthur Museum. Classes will be held at the museum; please schedule 30 minutes for travel before and after the seminar. (Travel will be arranged.)

ARTH 402-010 SEM:AFRICAN ART AFTER INDEPENDENCE

Examines the transformations wrought on artistic production in Africa since the 1950s with the retraction of European colonialism. Viewed in the light of postcolonialist theory, it examines groups, movements and individuals including Oshogbo, Zaria, Leopold Senghor, Susan Wenger, Ben Enwonwu, Iba Ndiaye and Kofi Antubam.

ARTH 405-010 SEM:ART IN THE EVERYDAY LIFE OF ANCIENT ROMANS

Explores the ways in which art and architecture were part of the everyday lives of ancient Romans living in Pompeii, Herculaneum, and Ostia Antica, and investigates the urban fabric of these cities, including houses, tombs, and buildings for business, religion, and recreation.

ARTH 623-010 STDS:HISTORIES & THEORIES OF MODERN PORTRAITURE, 18th to 20th CENTURY

Modern portraiture in the context of changing ideas of public and private identity, individuality, and the self. Approaches from social history, psychoanalysis, semiotics, and critical theory. Topics include political, socio-historical, and documentary functions; physiognomy; likeness; self-portraiture; photography and mechanical reproduction; celebrity; gender; sexuality; and abstraction.

ARTH 667-010 FORGERY, AUTHENTICITY AND ORIGINALITY IN THEORY AND PRACTICE

Considers the interrelated problems of how to define an authentic and/or original work of art, and how to define a "forgery." Also considers a range of case studies and theoretical writings addressing issues of definition, orientation, and criticism.

ARTH 667-011/SOCI 667-011 SEM:RELIVING VISUAL HISTORY AS SOCIAL CRITIQUE

Intention and the oral interview in history, sociology, literature and the arts. Students will research African American art and culture and in pairs interview visual artists in the Paul C. Jones Collection.

BIOLOGICAL SCIENCES

BISC 467-010/BISC 667-013 DEVELOPMENTAL NEUROBIOLOGY

Covers the developmental biology of the nervous system. Includes basic structure of the nervous system, cellular components of nervous tissue, neural induction, neurogenesis, neuronal migration, determination, axon path finding, synapse formation, programmed cell death, neurotrophic factors and critical periods. Covers neural development at the levels of molecules, cells and systems.

BISC 667-011 IMMUNOLOGY

The biological basis of adaptive immunity including participating cells, cellular interactions, counted mechanisms and immunopathologies. In addition to the scheduled lecture periods, selected topics will be covered in depth in a discussion section that will meet for one hour each week.

BISC 667-012 BIOLOGICAL STATISTICS

Covers the statistical techniques used in the design and analysis of biological experiments. Topics include analysis of variance, regression and correlation, and analysis of frequency data. A prior statistics course is recommended but not required.

BIOMECHANICS & MOVEMENT SCIENCE

BMSC 667-010 MATHEMATICS FOR BIOMECHANICS

Covers mathematical techniques useful for research in biomechanics and related fields, with emphasis on methods useful for biomedical data acquisition and analysis and for modeling of biological systems. Includes Fourier analysis, differential equations, and matrix algebra, always concentrating on applications. Prereq: College calculus

CHEMISTRY

CHEM 667-010 INDUSTRIAL CHEMISTRY

Follows chemicals from their origins in petroleum and natural gas to the myriad consumer products that we take for granted. Compares and Contrasts industrial chemistry with academic chemistry. Includes key concepts of catalysis and organometallic chemistry that are involved in making industrial chemicals. Discusses the nature and purpose of patents. Describes the needs and future directions of the industry.

CHEM 667-012 MOLECULAR BIOPHYSICS

Biophysical principles and methods: thermodynamic and kinetic analysis of folding, protein-nucleic acid interactions, and ligand binding; spectroscopy; structural methods and modeling; calorimetry; ultracentrifugation and SPR; imaging and microscopy. Problem solving in macromolecular interactions and function: protein refolding; altering ligand affinity; increasing protein stability; drug design and HTS; protein expression and solubility; and protein engineering.

CHEM 667-016/BISC 667-016 INTRO TO LABORATORY INSTRUCTION

Introduction to the practice and theory of supervising undergraduate laboratories for first-time graduate teaching assistants in Chemistry and Biology.

CIVIL AND ENVIRONMENTAL ENGINEERING

CIEG 467-010 BUILDING DESIGN

Building structural systems and elements; dead and live loading; earthquake and wind forces; load paths; gravity and lateral load resisting systems. Approximate analyses of building frames. Steel, concrete and wood building design. Prereq: CIEG 301, CIEG 467

CIEG 467-012/667-012 ROADWAY GEOMETRIC DESIGN

Teaches fundamentals of highway and street design covering such topics as the transportation design process, highway location studies, and geometric design concepts and controls. Principle reference for the course is the AASHTO "Green Book" and introduction to the process known as "Context Sensitive Design" is also covered. Prereq: CIEG 351 and CIEG 223

CIEG 467-013 CONSTRUCTION MANAGEMENT & ENGINEERING

Covers construction processes, field engineering, and project management. Broad treatment of the subject is designed to equip the young engineer with basic knowledge and skills required for a field engineer or construction manager. Project management topics include estimating, cost control, quality control, and safety with emphasis on planning and scheduling.

CIEG 667-010 PAVEMENT ANALYSIS AND DESIGN

Presents the scientific principles of pavement design as applied to airfields and highway pavements, considering loading conditions, stress distribution, and properties of various components of pavement layers, for both rigid and flexible pavements.

CIEG 667-014 DEEP FOUNDATIONS

Addresses the application, selection, design, construction and inspection of deep foundations. Examines a variety of deep foundation types, including driven piles, drilled shafts, micropiles and augercast piles. Includes development of cost comparisons, specifications and contract documents and bidding practices.

CONSUMER STUDIES

CNST 167-010 UNDERSTANDING CONSUMERS

Explores the interactions of clients, customers, citizens and cultural groups who are collectively referred to as "consumers". Focuses on diversity of consumers, complexities of dealing with consumers and markets, social responsibilities to and of consumers, and developing and supporting ethical markets that contribute to consumer well-being and advance our society.

CNST 267-010 CONSUMER DISABILITY ISSUES

Introduction to consumer issues for people with disabilities. Analyzes how definitions of disability shape public policy and the delivery of goods and services. Topics will address access to housing, transportation, education, employment and other aspects of community living.

CNST 467-010 LEADERSHIP IN HUMAN CAPITAL DEVELOPMENT

Enhancement of economic opportunities and quality of life through human capital development. Implications for public policy.

COMMUNICATIONS

COMM 418-010 TPCS: MEDIA ETHICS & ACCOUNTABILITY

Examines the role(s) that mass media is expected to fulfill in society, and of the various ways for holding media accountable for meeting those responsibilities.

COMM 418-011 TPCS: BROADCAST PROGRAMMING

Concerned with the principles and strategies of programming for broadcasting and cable. Includes audience feedback, network and local programming, syndication and specialized programming. Examines radio ratings, TV ratings, and primetime TV programming strategies such as creating audience flow.

COMM 418-012 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. Completion of ENGL 307 or COMM 325 is a pre-requisite.

CRIMINAL JUSTICE

CRJU 467-010 SOCIAL JUSTICE IN FILM AND LITERATURE

Uses empirical research to contrast the images and issues raised in films and literature. Examines assumptions about punishment, justice, social control, offending and victimization using these vehicles of popular culture.

ECONOMICS

ECON 467-010 INTERNET ECONOMICS

Uses economic theory to analyze the structure of internet markets and the strategic interactions between participants in these markets. Evaluates sources of competitive advantage and monopoly power, pricing practices, network externalities, and technological e-commerce. Prereq: ECON 300 or ECON 301

ENGINEERING TECHNOLOGY

EGTE 167-010 INTRO COMPUTERS FOR ENGR TECH

A foundation course in the application of computers and engineering principles for agriculture, industry and the environmental sciences. Emphasizes the fundamentals of computer programming, problem solving and practical applications within the field. Includes a project and a lab.

ELECTRICAL ENGINEERING

ELEG 367-010,011 DIGITAL PHOTOGRAPHY AND TECHNOLOGY

If interested in or if using digital photography, learn both how and why. Section 010 requires knowledge in college physics and a good working skill in college algebra. Also, cannot be used as a technical elective for electrical/computer engineering students.

ELEG 467-010/667-010 MICRO-ELECTRO-MECHANICAL SYSTEMS (MEMS)

Provides a multi-disciplinary overview of silicon based MEMS technologies for students from all areas of science and engineering disciplines. Design, fabrication and packaging of MEMS will be thoroughly explored with illustrative examples.

ELEG 467-011/667-011 OPTICAL COMMUNICATIONS AND NETWORKS

Provides an introduction to optical communications systems. Topics include: operational characteristics of optical sources and detectors, optical fiber and its properties, coupling and propagation of optical signals in fibers, fiber communications link analysis, modulation/demodulation methods, and applications of optical communications systems.

FOREIGN LANGUAGES AND LITERATURE

FLLT 167-440 NEW TESTAMENT GREEK

Course for beginners includes Greek alphabet, vocabulary, grammar, and simple syntax. Provides an introduction to the language for those who will pursue a more extended study at seminary or elsewhere, or for those who would like to be able to use an interlinear New Testament with some confidence.

FLLT 367-010 ANTI-HEROES IN MODERN CHINESE LITERATURE

Examines various types of anti-heroes in modern Chinese literature, such as the social outcast, the estranged, the aesthete, the superfluous, the marginal woman; investigates how sociopolitical conditions have shaped this "anti-hero literature" with its value alternatives. Films will be shown to complement readings.

FOOD SCIENCE

FOSC 667-010 FOOD PACKAGING

Covers the role of packaging in the preservation of food. Packaging materials, their chemistry and processing will be discussed with a major emphasis on polymer chemistry and behavior as it is related to food packaging.

GEOGRAPHY

GEOG 111-010,011 CLIMATIC PROCESSES LAB

Laboratory investigation of processes responsible for weather, climate and climatic change. Implications of climate for ecosystems and human activities. Earth-sun relations, geographic coordinate systems and map interpretation. Together GEOG101 and GEOG111 form a comprehensive lecture/laboratory format for investigating climatic processes. Coreq: GEOG101.

GEOG 467-011/667-011 SPATIAL DATA ANALYSIS

Introduces both visual (mapping and graphical) and statistical approaches to analyzing spatial data. Methods are implemented through the development and use of Fortran programs. Pre/Coreq: GEOG 250.

GEOG 467-012/667-012 PLACE, NATURE, HUMAN NATURE CULTURE

Place and landscape will be the touchstones for examining the interplay of nature, human nature, and culture. The approach will be interdisciplinary, with particular emphasis on attitudes, perceptions, and philosophies-artistic as well as scientific.

HEALTH AND EXERCISE SCIENCES

HESC 167-010 KICKBOXING AEROBICS

Designed to shape and tone the body while improving cardiovascular fitness. Uses martial art movements (kicking and punching) as well as exercises that increase strength and flexibility while being done rhythmically to music.

HESC 167-011 KENPO KARATE

Self-defense that teaches the language of motion. Includes concepts, theories, principles, and innovations, not yet employed by other systems. Employs linear as well as circular moves, utilizing intermittent power where and when needed, interspersed with minor and major moves that flow with continuity. Flexible in both thought and action so as to blend with encounters as they occur.

HISTORY

HIST 268-010 SEM:SEXUALITY AND FAMILY LIFE IN EUROPE

Includes Church and state views of sexuality; the social history of marriage, birth, and childrearing; love and sentiment in the domestic sphere; and the changing social and political meanings of sex and the body. Discusses historiographical views formulates arguments, and critically examines readings.

HIST 268-011 SEM:VICTORIAN BRITAIN

Introduces students to British history in the nineteenth century. Includes popular culture, social criticism, "Victorianism", national identity, and the 1851 exhibition at the Crystal Palace. Provides an introduction to historical research and methods. Explore facets of British culture using primary documents (newspapers and periodicals).

HIST 268-012 SEM:THE JFK ASSASSINATION: HISTORY, LITERATURE, AND MYTH

Focuses on what the historian Christopher Lasch termed "the strange life of Kennedy's death." Examines the accomplishments, expectations, and legends of the Kennedy administration itself, and then delves into the various reports, conspiracy theories, and literary accounts of his assassination.

HIST 268-013 SEM:TERRORISM IN NORTHERN IRELAND

Prepares history majors in the skills and methods for doing historical research. Analytical writing forms the core of the course. Studies being objective, but also exploring issues relating to the use of violence, party structures, sectarianism, ideology, gender, foreign policy, the role of the media, and the impact of single individuals on public events.

HIST 411-010,080 SEM:MADNESS AND MURDER IN THE NINETEENTH CENTURY

Examines several notorious cases of insanity and murder in England and America in the 19th century. Looks at how medical, social, and legal models served to categorize marginal behavior and deal with individuals who failed to conform to societal norms. Explores the similarities and differences in the approaches of historians and novelists as they analyze the "crimes of the century."

HIST 411-011 SEM:AMERICA AFTER THE REVOLUTION

Society, culture and politics in the early United States, 1789-1830.

HIST 411-012 SEM:JEFFERSON AND HIS TIME

Examination of the life of Thomas Jefferson, covering his early years, his political career and presidency, and his retirement at Monticello. Focuses on Jefferson's writings and on modern scholarship concerning the central historical problems of his life. Includes Jefferson's role in the Revolution, his political and social thought, his family and private life, his role in American expansion, his position on slavery, and his influence as a figure of power.

HIST 411-013 SEM:RELIGION AND THE AMERICAN WILDERNESS

Explores the relation between unconventional religious thought and the idea of wilderness in 19th and 20th century America. Focuses on individual writers, and the way various writers have "entered" wild nature to seek not riches or adventure but themselves, maybe God. Examines changing ideas about nature and how these relate to the matter of belief in the modern and postmodern world.

HIST 411-014 SEM:RONALD REGAN

Focuses on the career and presidency of Ronald Reagan. Read and discuss two biographies of Reagan, and books that deal with Reagan's policies on civil rights, economics, welfare, and the cold war.

HIST 479-010,080/HIST 679-010 SEM:20TH CENTURY CHINA

Begins with the Boxer Uprising and finishes with the opening years of the 21st Century Weekly readings and discussion; one paper. Readings include novels, contemporary writings, memoirs, etc. to give a first-hand flavor of modern and contemporary Chinese history.

HIST 611-010 SEM:THE EARLY REPUBLIC

Advanced readings in the early republic (1790-1830); emphasis on social and cultural history.

HIST 667-010/MSST667-010 SEM:AMERICAN VERNACULAR LANDSCAPES

Graduate reading seminar with a strong emphasis on material culture. Topics include 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 667-011 NEW MEDICINES; FROM LAB BENCH TO BEDSIDE, THE NEW REALITY

After tracing the process from laboratory discovery to approval of a new drug by the food and drug agency we will explore current social and philosophical debates related to the patenting, testing, regulation and marketing of prescription and over the counter drugs.

MALS 667-012 STDS:CONTEMPORARY AMERICAN FICTION

Examines narrative and thematic concerns in American fiction written before and after WWII. The fiction is explored against a background of cultural, philosophical, and literary trends. Read and discuss such concerns as the substitution of a mythical for a "realistic" method; myth and myth making for experimentation and innovation; postmodernism, and the absurd.

MALS 667-410 AMERICAN FAMILIES IN THE NEW MILLENNIUM: THE CHALLENGES OF WORK, DIVERSITY, AND AGING

Examines some of the causes and consequences of the recent demographic trends and social changes taking place in American families by providing students with a context for understanding the impact of history, culture, economics, politics and globalization on family development. Emphasizes differences between families based on gender, race and ethnicity and socio-economic status.

MALS 667-430 MILITARY STRATEGY: THE AMERICAN EXPERIENCE

Acquire a deeper understanding of American military strategy throughout the years. Discuss a variety of concepts, including but not limited to: national strategy vs. military strategy, strategy of attrition, strategy of annihilation, the climactic Napoleonic battle, the role of sea power, containment, partisan warfare, etc.

MALS 667-431 GENDER IN A WORLD PERSPECTIVE

Introduces students to questions about men and women's relationships, the processes of gender differentiation worldwide, and the effects of globalization on men and women's positions. Course seeks to enable students to understand how gender ideologies and gender roles pervade all aspects of human life across the globe.

MARINE STUDIES

MAST667-010 GENETICS OF MARINE ORGANISMS

Focuses 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 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 667-012 MARINE TRANSPORTATION POLICY

Provides an overview of marine transportation policy and develops analytical techniques in the contexts of local, national, and international perspectives. Topics include: 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 828-010 TPCS:MARINE BIOCHEMISTRY

Focuses on recent literature in the field of marine chemical ecology. The structured discussions are lead by students and aim to critically evaluate papers in the field's current primary literature. The goal of the course is to stimulate critical thinking about topical areas in marine chemical ecology.

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. Intuitive geometric topics, the structure of a deductive system, logical reasoning and the process of proof will be covered.

MATH 567-010 FOUNDATIONS OF MATHEMATICS I

Intended as the second experience in several areas of the undergraduate curriculum. The areas are chosen from Calculus, Linear Algebra, Geometry, Discrete Mathematics, Abstract algebra, Differential equations. A goal of the course is to integrate the topics, rather than to specialize.

MUSIC EDUCATION

MUED 267-010 AESTHETIC EDUCATION

Discover the philosophical basis of the performing and visual arts in education and strategies for their integration into core curriculum subjects. Interact with visiting teaching artists and participate in field trips to observe these artists in the context of the classroom. Goals include experiencing multiple learning/teaching styles and a realization of new possibilities in communication.

MECHANICAL ENGINEERING

MEEG 867-010 HYDRODYNAMIC STABILITY

Global stability and uniqueness; instability and bifurcation; calculation of branching behavior; thermal instability; shear flow instability; inertial instability; centrifugal instability; transition prediction and control; engineering aspects and technological applications.

MUSIC

MUSC 167-010,011 DELAWARE STEEL DRUM ENSEMBLE

Teaches how to play steel drums and is open to all interested university students. Previous musical skills not required.

MUSC 167-012 HANDBELL ENSEMBLE

Students experience the art of ringing handbells and choir chimes, perform 3-5 octave handbell literature and conduct the ensemble. Course open to music and non-music majors. Ringing experience not required.

Prereq: Ability to read music.

PHILOSOPHY

PHIL 367-010 TPCS:BUDDHISM

Takes a close look at the variety of philosophical positions and methodologies found within the Buddhist traditions in India, China, Japan, and Tibet. Students read mostly primary materials, with the goal to articulate the complexity and diversity of this rich tradition of philosophical and psychological analysis.

PHIL 367-011 TIME TRAVEL

Examines the topic in its own right, with particular attention to the various ways in which time travel is (or is not) possible. Also examines the connections with the philosophy of time and space, personal identity, freedom of will, and theism.

PHIL 465-010,080 SR. SEM:ARISTOTLE

Acquire a comprehensive understanding of Aristotle's most important contributions to Philosophy. Stresses Aristotle's contribution to issues regarding the nature and ultimate grounds of knowledge; the ultimate categories of thought and the basic constituents of the universe; the relation between language, thought and their objects; how is mind related to the body; to what ends is human life to be directed; how is pleasure related to goodness.

PLANT SCIENCE

PLSC 367-080 HNRS: CHOCOLATE

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

PSYCHOLOGY

PSYC 367-010 INTRODUCTION TO NEUROSCIENCE

Neuroscience is an interdisciplinary approach to the study of the nervous system. Course includes descriptions of gross anatomy and neurophysiology, and the study of sensory and motor systems, emotions, motivation, memory, sleep and clinical syndromes. Prerequisites: PSYC 201, BISC 208, 2 semesters of Chemistry.

PSYC 367-011 INTRODUCTION TO NEUROSCIENCE LABORATORY

Exercises will include a dissection of a sheep brain, implantation of an electrode into rat brain to map reward function, brain histology, electrophysiological recording to map somatosensory cortex in the rat, recording of the electroretinogram from the frog eye, and software and hardware simulating of neuronal activity. Must be enrolled concurrently in PSYC 314 or previously taken PSYC 314.

PSYC 467-010,080 IDEAS IN BIOPSYCHOLOGY

Read six books during the semester. The readings will consist of "classics" in psychology, biology, and philosophy. One student will be responsible for leading the discussion about that book. The reading list is flexible and will be chosen depending on the interests of the students.

PSYC 467-011 EMOTIONS AND PREVENTIVE INTERVENTION

Covers the development of emotions, emotion knowledge, and emotion regulation, their relations to adaptation and social behavior. Emotion-centered preventive intervention, including participation in an intervention program for children. Prereq: PSYC 350 AND PSYC 334 OR PSYC 380.

PSYC 467-013 BIOPSYCHOLOGY OF ANXIETY/DEPRESSION

Explores the neuroanatomy, physiology, pharmacology and behavior of anxiety and depression gleaned from experimental studies in both animals and humans. Animal models of anxiety and depression and their relevance to the human condition will be emphasized.

PSYC 467-014 RESEARCH METHODS

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

PSYC 467-081 HNRS: SOCIAL MOTIVATION

Analysis of theory and research in the social psychology of motivation. Includes active student participation in research projects. Prereq: PSYC 309, and PSYC 303 or 390

PSYC 667-014 COGNITIVE NEUROSCIENCE OF LANGUAGE AND NUMBER

Study of cognitive processes in humans and their underlying neural bases. Students learn the Event-Related Potentials (ERPs) technique and image their own brain activity resulting from linguistic and numerical processing. Critically evaluates the use of brain imaging data to constrain theories in the cognitive sciences.

PSYC 867-011 INTELLIGENCE AND ACHIEVEMENT TESTING

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

PSYC 867-012 SOCIAL COGNITION

Course deals with how people process information related to impressions of themselves and other people.

PSYC 867-013 CURRENT TOPICS IN CLINICAL PSYCHOLOGY

Discussion of current topics in clinical psychology.

PSYC 867-014 CURRENT TOPICS IN SOCIAL PSYCHOLOGY

Discussion of current topics in social psychology.

PSYC 867-015 CURRENT TOPICS IN COGNITION

Discussion of current topics in cognitive psychology.

PSYC 867-016 CURRENT TOPICS IN NEUROSCIENCE

Discussion of current topics in neuroscience.

SOCIOLOGY

SOCI 267-010 RESEARCH ON ALCOHOL

Scholars, administrators, and clinicians from off-campus and from the University of Delaware community present and discuss their research and experiences with issues of alcohol use and abuse. Focuses on the use of alcohol on college campuses and the impact of high risk drinking on the college and neighboring communities.

SOCI 467-010 HOMELESSNESS

Students use the concepts, methods, and perspectives of sociology to gain an understanding of homelessness. Use material from Deviance, Urban Stratification, Law, Family, Social welfare, Health Care, Demography, and Methods to examine homelessness from macro and micro perspectives.

SOCI 467-011 SOCIAL MOVEMENTS

Focuses on sociological approaches to explaining how social movements develop and how and why individuals join social movements. Provides a review of major theoretical perspectives. Gives students an opportunity to select specific contemporary social movements (e.g., the environmental movement, pro-choice and pro-life movements, and the women's movement) for in-depth study.

SOCI 467-012 SOCIAL ASPECTS OF RISK

Focuses on the sociological aspects of risk assessment and management by individuals, organizations and government agencies. Covers cases involving technological risks, and the management of risks from natural hazards and from health risks.

SOCI 667-010 SOCIOLOGY OF DRUG AND ALCOHOL ABUSE

Surveys sociological theories of alcohol and drug abuse and contrasts a sociological perspective on these problems with psychological and biomedical approaches. Reviews social learning, anomie, conflict, labeling and social constructionist approaches. Reviews both quantitative and qualitative empirical work within each of these theoretical traditions and compare their implications for substance abuse prevention, treatment and control.

SOCI 667-012 ENVIRONMENTAL SOCIOLOGY

Produces substantive and theoretical introduction to the major issues of Environmental Sociology. Focuses on issues associated with natural and technological hazard issues. Looks at influences of the environmental movement and collective responses, and new emerging movements of ecofeminism and environmental justice.

SOCI 667-013 TEACHING IN THE SOCIAL SCIENCES

Stimulates interest in talk 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 667-010 ADVANCED REGRESSION TECHNIQUES

Advanced topics in regression analysis: model selection techniques, least squares estimation subject to constraints, ridge regression and other penalized techniques, non-linear regression, and non-parametric regression.

THEATRE

THEA 367-010 PROJECTS IN SCENE DESIGN

Introduction to the exploration of conceptual principles underlying the practice of scene design. Explore elements of visual thinking through the manipulation of drafting and drawing with emphasis on line, form, and spatial relationships as it relates to the play. Some artistic ability is helpful. Prereq: THEA200 or THEA202 or permission of instructor.

URBAN AFFAIRS AND PUBLIC POLICY

UAPP 667-011 CONFLICT RESOLUTION

Combination of theory, skill building and practice. Provides effective communication and problem solving skills for individuals interested in de-escalating conflicts and creating win-win solutions. Students learn new ways of looking at and approaching conflict while gaining a better understanding of their own personal conflict management style, and understanding how this transfers to the workplace.

UAPP 667-012 ADMINISTRATIVE LAW & POLICY

Introduces the basic concepts and rules of administrative law and an understanding of the legal issues affecting public and nonprofit organizations in dealing with governmental agencies. Emphasizes matters of particular interest to administrators and others trained in the social sciences. Special attention will be placed on the impact politics has on efforts by administrators to comply with administrative law rules and regulations. No prior legal training or command of legal language is necessary.

UAPP 667-013 QUALITATIVE METHODS FOR PROGRAM EVALUATION

Emphasizes the development of student skills in collecting qualitative data for program evaluation through such methods as observations, interviews, and document reviews. Includes the philosophical underpinnings of qualitative inquiry, criteria for the quality of qualitative evaluation, and data analysis. Prereq: UAPP 804.

UAPP 667-014 COMMUNITY DEVELOPMENT THEORY, CONCEPTS & PRACTICE

Explores the evolution of core principles and concepts associated with community development, examines various models of practice found in the U.S. and abroad, and considers current challenges confronting the field. Emphasis is placed on understanding the role of community development in meeting the needs of disadvantaged individuals and households, particularly in urban areas.

UAPP 667-015 MYERS-BRIGGS & EFFECTIVE ORGANIZATIONS

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 667-016 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 FUND DEVELOPMENT: INSTITUTIONAL GIVING

Focuses on corporate, foundation and government fund development activity in support of the nonprofit organization. Includes presentations by practitioners from the corporate, foundation and government sectors, helping the students to understand the issues from the perspective of the funding sources, and from professional fundraisers on identifying potential donors through research.

UAPP 667-018 SEMINAR IN COMMUNITY ANALYSIS & DEVELOPMENT

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 667-019 DATA MINING

Focuses on the collection of data in hospitality systems environments into accessible warehouse, and mining (or organizing) the data into a management information system. Multi-unit consolidations using traditional polling techniques and innovative web-based consolidations are the key to organization of data into an up-to-date and accurate source of management information for analysis.

UAPP 667-020 CIVIL RIGHTS AND POLICY

Examines the origin and evolution of the laws and policies that govern the rights of African-Americans and other people of color in the United States. Examines emerging approaches to civil rights scholarship and considers the implications of the Supreme Court's recent embrace of a conservative posture in civil rights issues.

UAPP 667-021 PROGRAM EVALUATION FOR HEALTH AND SOCIAL SERVICES

A survey of quantitative and qualitative methods. Includes program design evaluation, outcome evaluation, clinical trial methods, process evaluation, and qualitative methods, including focus groups.

UAPP 667-022 CIVIC ENGAGEMENT

Examines how to successfully foster civic engagement to achieve demonstrable results in community improvement. Utilizes case studies to examine various dimensions of involving community stakeholders - from initiating action to assessing performance and institutionalizing change. The emphasis will be on how government services can be made more responsive to community-defined needs and priorities.

WOMEN'S STUDIES

WOMS 250-010 TPCS:INTERNATIONAL WOMEN'S STUDIES

Examines some of the many roles that women have played in 20th century warfare and are still playing. Materials for the course will include works of fiction and non-fiction, essays, poetry, testimonials, documents, film, television, the visual arts, etc., created by women.

WOMS 267-010 WOMEN IN GLOBAL PERSPECTIVE THROUGH FILM

Explores women's experiences through five feature films from 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.