



Graduate Course Changes effective for the 2008-2009 Academic Year

This list of course additions, changes, and deletions has been approved by the University Senate as of February 13, 2008.

This list is typically updated monthly from November through May. Last updated 2/2508.

Graduate Course Changes effective for the 2008-2009 Academic Year

I. Courses Changed

COLLEGE OF ARTS AND SCIENCES

From: ANT 452/652 Cultural Aspects of Public Policy

To: Anthropology and Public Policy [title change]

From: CHE/SOL/HNR 306 Advanced Forensic Science

Selected areas of current interest in forensic science presented. The application of scientific methods and techniques to crime detection and the law. Additional work required of graduate students.

To: FSC/SOL 406/FSC 606 [Double # added/cross-list dropped]

From: ENL 611 English Conversation for ITAs

To: ENL 640 [# change]

From: FIA/DRA 561 Music and Shakespeare (3)

To: FIA/DRA 561 (3-4) [credit change]

From: GEO 686 Spatial Statistics

Introduction to spatial statistics, locational information. Reformulating classical linear statistical models. Spatial autocorrelation, two-dimensional surface missing data problem, edge-effects corrections, and simulation experimentation in spatial analysis. Preq: GEO 386, 585, introductory applied calculus, computer literacy or p.o.i.

To: GEO 686 Advanced Quantitative Geographic Analysis

Descriptive and inferential statistics for use geo-referenced data, spatial autocorrelation, and geostatistics. Geographic examples. Weekly labs. Individualized advanced work and term project. Permission of instructor.

From: GEO 781 Seminar: Cartography

Research seminar devoted to topics of current interest in automated mapping and cartographic communication. Permission of instructor.

To: [descr. change]

Research seminar devoted to topics of current interest in geospatial technology, cartographic communication, and the history of cartography in the twentieth-century. Permission of instructor.

From: PSC 682 Social Theory and Middle East Politics

To: PSC/MES 682 [cross list]

From: SPA 652 18th – 19th Century Spanish Literature (1700-1898)

To: SPA 652 Spanish Enlightenment to Modernism: Aesthetics and Power

From: WSP 495/695 The Practice of Transnational Feminism

To: WSP 795 The Practice of Transnational Feminism [# change]

SCHOOL OF ARCHITECTURE

From: ARC 572 Advanced Computer Applications to Architecture

 Preq: ARC 272.

To: [Preq. deleted]

From: ARC 604 Architectural Design I

 Architectural design principles and methods. Studio course.

To: [descr. change]

 Introduction to design techniques, processes, and issues including spatial organization, program, site, materials, structure, and assembly. Exercises and projects emphasize conceptual development and initiate engagement with technological issues.

From: ARC 605 Architectural Design II

 Continuation of ARC 604.]

To: [descr. change]

 Further development of design techniques and processes, including conceptual development through modeling, site analysis, fabrication, and systems integration.

From: ARC 606 Architectural Design III

 Interrelation of space, function and construction. Studio course.

To: [descr. change]

 Architectural design in relation to the city and landscape. Exercises and projects emphasize environmental, economic, cultural, social and political issues as factors in design.

From: ARC 607 Architectural Design IV

Parti generation; studies in spatial organization based on physical context, function, and systems of support and enclosure. Studio course.

To: [descr. change]

Integration of skills and knowledge in a building design that comprehensively addresses program, site building codes and contemporary technologies.

From: ARC 611 Structural Systems Design I

Introduces basic concepts of structural systems and their behavior. Design of structures is introduced.

To: ARC 611 Structures I

Introduces basic concepts of structural system behavior; gravity and lateral loads, analysis of major structural forms, and structural performance of materials. Evaluation to include a research project.

From: ARC 612 Structural Systems Design II

Introduces basic concepts of lateral forces, seismic loads, and indeterminate structures. Computer modeling used as a tool of analysis and design.

To: ARC 612 Structures II

Design of structures; choice of appropriate materials and system, design of structural components in concrete, timber and steel. Introduction to earthquake loads, high rise, pre-stressed concrete, and indeterminate structures. Evaluation to include research project.

From: ARC 623 Building Systems, Advanced

Case studies of the interrelationship of design concepts with constructional, structural, and mechanical systems. Lecture and studio.

To: [descr. change]

Add to description: Evaluation to include a research project.

From: ARC 639 Architectural History Principles

Visual and verbal skills for the study of architectural history. Historical relationships, significant buildings of history.

To: [descr. change]

Examination of the principles of architectural history through study of selected buildings and movements.

SCHOOL OF EDUCATION

From: EED 334/624 Elementary Language Arts Methods and Curriculum

Design, implementation, and evaluation of programs for learners with and without handicaps. Relationship among the language arts and the role of oral and written language in personal, educational, social, and vocational development. Field experience. Preq: Admittance to first professional block.

To: EED 425 Intermediate Grade Literacy Methods and Curriculum
[#/title/descr/preq/coreq chng] Methods and curriculum for literacy instruction in grades 4-6, including reading, writing, speaking, and listening. Lesson and unit planning for children with diverse needs and dis/abilities. Admission to Block III is required. Preq: EED 325; Coreq: EED 337, 363, 423, 438, and SPE 434. *Effective Fall 2010*

From: EED 335/625 Elementary Reading Methods and Curriculum

Decision making processes related to methods and materials used during reading instruction. Formulation of lesson plans, teaching, evaluation for children with and without handicaps. Understanding of comprehension processes. Field experience teaching. Preq: Admission to first professional block.

To: EED 325 Primary Grade Literacy Methods and Curriculum

[#/title/descr/preq/coreq change] Methods and curriculum for literacy instruction in grades s1-3, including reading, writing, speaking, and listening. Lesson planning for children with diverse needs and dis/abilities. Admission to first professional block required. Coreq: EED 314, 361. *Effective spring 2009*

From: EED 623 Elementary Mathematics Methods and Curriculum (3)

Scope, sequences, and materials. Examination of programs. Adapting curriculum and methods for children with and without handicaps. Field experience teaching. Preq: Admittance to first professional block.

To: EED 621 Elementary Mathematics methods and Curriculum I (2)

Integration of theory, research, and practice in teaching and learning of mathematics. Examination of programs' scope, sequence, and materials. Design and evaluate inclusive lessons and units including differentiated instruction and adaptations. For Childhood Preparation program students only.

AND

To: EED 622 Elementary mathematics Methods and Curriculum II (1)

A continuation of EED 621. Integration of theory, research, and practice in teaching and learning of mathematics. Examination of programs' scope, sequence, and materials.

Design and evaluate inclusive lessons and units including differentiated instruction and adaptations. Preq: EED 621.

From: IDE 613/IST 611 Information Technologies in Educational Organizations
Information and communications technologies, ethical issues, knowledge management tools, collaborative learning technologies, education databases, etc. On-site project field work constitutes a major portion of course requirements.

To: IDE 611 Technologies for Instructional Settings [title/cross-list/descr]
Students gain knowledge, skills and experiences with a variety of information and communication technologies relevant to educational contexts, create instructional materials and resources, and examine critical issues related to information technologies used in instructional settings. May not receive degree credit for both IDE 611 and IST/IDE 613.

COLLEGE OF ENGINEERING AND COMPUTER SCIENCE

From: AEE 542 Hypersonic/High-Temperature Gas Dynamics
Preq: MAE 251, MAT 514 and AEE 446.

To: [Preq. change]
Preq: MAE 251 and AEE 343.

From: AEE 577 Space Flight and Rocket Propulsion
Two-body problems, planetary orbits, interplanetary transfers, classification of rocket engines, nozzles and subsystems, vehicle and booster staging performance; liquid, solid propellants, and electric rocket engines. Preq: AEE 446.

To: AEE 577 Introduction to Space Flight [title/descr/preq. change]
Two-body orbital mechanics, orbits and trajectories, interplanetary transfers, vehicle and booster performance. Preq: ECS 222.

From: CSE 664 VLSI Design Methods

To: CSE/ELE 664 [Cross-List]

From: CSE 681 Software Modeling and Analysis

To: CSE/CIS 681 [Cross-List]

From: CSE 686 Internet Programming

To: CSE 686/CIS 688 [Cross-List]

From: CSE 687 Object Oriented Design

To: CSE/CIS 687 [Cross-List]

From: CSE/CIS 758 Internet Security

TCP/IP architectural model. IP addressing. TCP/IP network protocol security. Network layer and application layer security. Firewalls. Router security. Denial of service attacks. Domain name server attacks. Preq: CSE 661, 655; ELE 658 or IST 634.

To: CSE/CIS 644 [#/descr/preq.change]

Internet architecture. Security and attacks on TCP/IP, DNS, and BGP protocols. Internet protocol security. Firewall. Intrusion detection. Network traceback. Web security. Encryption. Public Key infrastructure. One-way hash function. Digital signature. Security protocols. Preq: CSE 585, CIS 586 or an equivalent course in operating systems.

From: CSE 775 Distributed Objects

To: CSE/CIS 775 [Cross-List]

From: CSE 776 Design Patterns

To: CSE/CIS 776 [Cross-List]

From: CSE 778 Advanced Windows Programming

To: CSE/CIS 778 [Cross-List]

From: CSE 784 Software Engineering Studio

To: CSE/CIS 784 [Cross-List]

From: CSE/CIS 785 Computer Security

Traditional Cryptography. Private-key vs. public-key cryptography. Steganography. Digital signatures. Key certificates. Unix security. Theft of information. Theft of service. Preq: CSE 661 or CIS 657.

To: CSE/CIS 643 [#/descr/preq.change/cross-list]

Operating system security. Unix security. Trusted Computing Base. Authentication. Access control. Security models. Capability. Sandboxing. Software vulnerabilities. Worms. Viruses. Secure engineering principles. Secure programming. Auditing. Forensics. Preq: CSE 585, CIS 586 or equivalent.

From: MFE 548 Engineering Economics and Project Evaluation
Financial environment: cost accounting, capital sources. Time based economic analysis techniques: equivalent worth, rate of return. Estimation: project parameters, inflation, taxes. Decision models: multi-attribute, uncertainty. Project management techniques.

To: MAE 548 Engineering Economics and Technology Valuation
Value-based assessment and management of engineering/technology projects: equivalence; discounted cash flow; taxes/depreciation; financial statements. Risk-adjusted valuation: risk/uncertainty in staged projects; Monte Carlo simulations; decision trees; real options; project portfolio management.
Preq: MAT 296.

From: ELE 555 Microwave Engineering
Circuits and devices incorporated in apparatus and systems at microwave frequencies. Detectors, amplifiers, converters, wave guides, cavities. Recitation and laboratory.

To: ELE 425 [#/descr. change]
Transient analysis of TEM lines, time domain reflectometer. Parameters of coaxial, strip and microstrip lines. Scattering parameters. Coupled lines, waveguides, cavities. Experimental illustration of microwave engineering concepts. Use of network and spectrum analyzers.

COLLEGE OF HUMAN SERVICES AND HEALTH PROFESSIONS

The prefix of the following **NHM** courses is changed to **HPM**¹

500 Selected Topics

The prefix of the following **NHM** courses is changing to **NSD**:

425/625 Nutrition for Fitness and Sports
445/645 Diet in Disease
458/658 Participatory Program Planning
500 Selected Topics
505 Nutritional Biochemistry Overview
511 Nutrition Education
512 Nutrition Counseling
515 Physical Assessment & Multiskilling for Dietitians

¹ (New Prefix) Hospitality Management

- 521 Culture, Science and Health Impact of Breastfeeding
- 548 Application in Clinical Nutrition
- 555 Food, Culture, & Environment
- 600 Selected Topics
- 610 Readings in Foods
- 648 Dietetics Practice Across the Lifespan
- 650 Dietetics Practicum
- 655 Issues in Community Nutrition
- 660 Readings in Nutrition
- 665 Vitamins and Minerals
- 666 Metabolism
- 670 Experience Credit
- 680 Seminar in Food and Nutrition
- 690 Independent Study
- 695 Nutrition Status Evaluation
- 755 Field Experience in Community Nutrition
- 756 Food and Public Policy
- 765 Problems in Human Metabolism
- 795 Research Methods
- 885 Graduate Seminar
- 897 Graduate Project

- 997 Masters Thesis
- 999 Dissertation

SCHOOL OF INFORMATION STUDIES

None

SCHOOL OF MANAGEMENT

From: MIS 745 Decision Support Systems

Advanced concepts and models of support systems for management decision making. Emphasizes the planning, implementation and evaluation of decision support systems. Preq: MIS 601/ISM 621, MIS 625/MIS 741 or p.o.i.

To: MIS 745 Decision Support Technologies [title/descr.]

Conventional and innovative technologies for designing and implementing decision-making models. Advanced spreadsheet capabilities and add-on tools for genetic algorithms, neural networks, induced decision trees, and data mining.

SCHOOL OF PUBLIC COMMUNICATIONS

None

COLLEGE OF VISUAL AND PERFORMING ARTS

From: APH 442 Art Photography: Senior Presentation and Portfolio

Portfolio presentation and research paper related to personal photographic statement. Presenting ideas through exhibitions, presentation, and written documentation. Preq: APH 441.

To: Art Photography: BFA Exhibition and Portfolio [title/descr. change]

Students refine their own projects which will be reviewed in individual and group critiques. Development of skills to create a professional quality exhibition, portfolio, and artist presentation. Preq: APH 441.

From: APH 541 Art Photography Topics: 20th-Century Artists

Twentieth-century artist photographers studied through slides, readings, lectures, and discussion.
Preq: APH 342.

To: APH 541 Art Photography: Contemporary Art and Photography [title/descr. change] Contemporary artists working with photographic images are studied through slides, readings, lectures, and discussions. [Preq. deleted]

From: APH 542 Art Photography: 20th-Century Criticism

Twentieth-century critical theories and applications studied through readings, lectures, and discussion. Emphasis on student research papers. Preq: APH 541.

To: APH 542 Art Photography: Contemporary Critical and Theoretical Texts on Art and Photography

[Replace underlined with: Recent and contemporary..] Preq: APH 342.

II. Courses Dropped

SCHOOL OF ARCHITECTURE

ARC 515 Masonry Structures

ARC 562 Introduction to Architectural Problem-Solving

ARC 567 Introduction to the Design of Classical Architecture

ARC 601 Introduction to Architecture

ARC 331/631/FIA 331 Early Christian & Byzantine Architecture

SCHOOL OF EDUCATION

EED 625 Elementary Reading Methods and Curriculum

COLLEGE OF ENGINEERING AND COMPUTER SCIENCE

None

COLLEGE OF HUMAN SERVICES AND HEALTH PROFESSIONS

None

III. Courses Inactivated

COLLEGE OF ARTS AND SCIENCES

BIO 423/623 Cell and molecular Biology II
BIO 427/627 Physiological Plant Ecology
CSD 608 Student Teaching
FRE 560 Studies in French Literature
FRE 645 Classical French Drama
FRE 660 Special Projects in French Literature
FRE 667 Realism and Naturalism
FRE 671 Symbolism
FRE 720 Seminar in Medieval French Literature
HST 521 Religious Violence in Historical Perspective
PHY 607 Science and Computers I

COLLEGE OF HUMAN SERVICES & HEALTH PROFESSIONS

NHM 514 Nutrition Education and Counseling

SCHOOL OF INFORMATION STUDIES

None

IV. New Courses

SCHOOL OF ARCHITECTURE

None

COLLEGE OF ARTS & SCIENCES

***ALP 601 Entrepreneurship and Leadership in the Arts (3)**

Integrates fields of arts and culture with business and administration. Introduces disciplines including: leadership, strategic planning, structuring, budgeting, financial analysis, fundraising, community development, board development, volunteer management, marketing, issues of technology in the arts.

ALP 603 Technology and the Arts (3)

Readings, presentations, projects, and case studies demonstrate how technology is central to managing, recording, marketing and promoting cultural organizations. Learn to create and implement the technology required to run arts organizations. Preq: ALP 601.

ALP 610 Arts Leadership, Lecture Series/Practicum Immersion (3)

Ten-day arts immersion trip to New York City. Arts leaders will explore government policy, arts programming and education, marketing, public relations, fund development and fiscal and board management, arts law, strategic planning, organizational designs and approaches. Preq: ALP 601.

ALP 612 Arts, Entertainment and Law (3)

Introduction to the American legal system, especially in relationship to the arts and entertainment industries, addressing legal issues in copyright, first Amendment, trademark, publicity, and contract matters, informing the interaction between arts leaders and counsel. Preq: ALP 601.

ALP 615 Arts Immersion in a Global Market (3)

Examine museums, exhibitions, art galleries, artists' studios as spaces within which the global currency of artistic production has been created, validated and reinvented. Offered abroad during Maymester. Preq: ALP 601.

ALP 701 Arts Administration Internship and Capstone Project (3)

Capstone experiences for the Arts Leadership program. Prepare management analysis and strategic plan for arts organization. Prepare and implement plan for original strategic project as part of a mentored internship. Preq: ALP 601.

ANT 634/434 Anthropology of Death (3)

Death in anthropological perspective. Survey of the many ways death has entered into the work of archaeologists, biological anthropologists, ethnographers and social theorists.

ANT 462/662/WSP/HTW 462 Culture and Reproductive Health and Medicine (3)

Cultural anthropological approaches to cross-cultural variations in reproductive practices (pregnancy, childbirth, infertility, etc.) Impact of globalization, biomedicalization, international development on reproduction and reproductive health. Medical anthropology and gender studies.

ANT/HTW 463/663 Global Health (3)

Global health in anthropological perspective. Examines how culture affects people's experience and response to morbidity and mortality. Considers topics like gender and health, reproductive health, infectious disease, health and inequality and health and war.

*FSC 440/640 Special Topics in Advanced Forensic Science (3)

An in-depth study of scientific disciplines engaged in the criminal justice and legal systems by providing a rational basis for interpreting the scientific analysis of forensic evidence through relevant case studies. Additional work required of graduate students. May be repeated once for credit.

FSC 444/644 Forensic Chemical Analysis (4)

Lecture and laboratory on analytical methods of forensic chemistry. Underlying theory and direct experience in various chemical tests and spectroscopic methods. Additional work required of graduate students.

Preq: CHE 113 or 116/117.

GOL 432/632 Seafloor Spreading and Oceanic Lithosphere (3)

An investigation of the products and processes of seafloor spreading from the perspective of geological and geophysical studies of mid-ocean ridge spreading centers, oceanic lithosphere and ophiolite complexes.

Additional work required of graduate students. Preq: GOL 333, 314.

HST/MES 644 Israel and Palestine: Historical Approaches (3)

A thorough historical grounding for understanding contemporary Israel and Palestine in terms of changing social, economic, cultural and political contexts.

PHY 831 Statistical Mechanics of Fields and the Renormalization Group (3)

A continuation of graduate statistical physics. Topics include: collective modes and quasiparticles, Ginzburg-Landau theory, modern theory of phase transitions, and the renormalization group. Preq: PHY 731.

PRS 620 Language Training in Preparation for Research Using Persian (3)

Language instruction to prepare students to conduct research in areas that require knowledge of Persian. Permission of instructor.

SWA 620 Language Training in Preparation for Research Using Kiswahili (3)

Language instruction to prepare students to conduct research in areas that require knowledge of Kiswahili. Permission of instructor.

SCHOOL OF EDUCATION

RED 607 Issues in Multicultural Literacy (3)

Application of major concepts, principles, theories, and research related to the nature and role of culture to constructing learning environments that support students' cultural identities, language and literacy development, and content-area achievement.

COLLEGE OF ENGINEERING AND COMPUTER SCIENCE

None

COLLEGE OF HUMAN SERVICES AND HEALTH PROFESSIONS

NSD 481/681 Medical Nutrition Therapy I (3)

Nutrition problems in adapting food habits for physical and metabolic alterations caused by selected disease states, within the context of the nutrition diagnostic and care process. Additional work required of graduate students. Preq. for 481/681: NSD 225, 216, 217 or equivalents. Coreq for NSD 481: NSD 482; for NSD 681: NSD 682.

NSD 482/682 Medical Nutrition Therapy I Lab (1)

Application of the nutrition care process, model, and diagnostic language for selected disease states to solve clinical nutrition problems. Additional work required of graduate students. Preq. for 482/682: NSD 225; Bio 216, 217 or equivalents; Coreq. for NSD 482: NSD 481; for 682: NSD 681.

NSD 483/683 Medical Nutrition Therapy II (3)

Nutrition problems in adapting food habits for physical and metabolic alterations caused by selected disease states within the context of the nutrition diagnostic and care process. Continuation of NSD 481/681. Additional work required of graduate students. Preq. for NSD 483: NSD 481; for NSD 683: NSD 681; Coreq. for NSD 483: NSD 484; for NSD 683: NSD 684.

NSD 484/684 Medical Nutrition Therapy II Lab (1)

Application of the nutrition care process, model, and diagnostic language for selected disease states to solve clinical nutrition problems. Continuation of NSD 482/682.

Additional work required of graduate students. Preq: For NSD 484: NSD 482; for NSD 684: NSD 682; Coreq. For NSD 484: NSD 483; for NSD 684: NSD 683.

***NSD² 513 Nutrition Education Experience (1)**

Prepare, disseminate and evaluate nutrition education curriculum for peer or other audiences. Provide nutrition education on campus and in the community through table events, group presentations, and media campaigns. Preq/Coreq: NSD 511.

COLLEGE OF VISUAL AND PERFORMING ARTS

MHL 535 Orchestral Repertoire: 1600-1800 (2)

A comprehensive study of orchestral repertoire from 1600-1800. J. S. Bach to early Beethoven. Score analysis, composer biographies, cultural context and critical listening.

SCHOOL OF INFORMATION STUDIES

IST 724 Database Security (3)

Assessment and analysis of database best practices that include: data security policy, access control, intrusion detection, data obscurity, fraud detection, encryption, virtual private databases and physical security.

Preq: IST 659.

IST 880 Intensive Seminar (1)

Residential seminar for Doctorate of Professional Studies distance students. Skill building and mentoring for doctoral coursework and dissertation preparation. Portfolio evaluation of work accumulated during the semester. Repeatable for a total of 6 credits.

SCHOOL OF MANAGEMENT

None

SCHOOL OF PUBLIC COMMUNICATIONS

None

² (New Prefix) Nutrition Science and Dietetics

COLLEGE OF VISUAL AND PERFORMING ARTS

APH 543 Art Photography: Non-Traditional Modes

Exploring the possibilities and reasons for producing work outside the parameters of traditional practice, looking at artists whose work co-opts, challenges and eschews the gallery system, using those artists as models for their own production.

APH 544 Image/Sequence: The Photo Book (3)

Theoretical and critical discussion of photographs in series, sequences and books. Software for editing and layout introduced to produce photo-based artist books. Specific attention paid to how the photo-book expands the meaning of individual images. Preq: APH 241, 242, 243.

APH 546 Art Photography: Photography and Cinema (3)

Students explore the interplay between contemporary photography and cinema. By constructing sets, scouting locations, studying images and films, and appropriating cinematic language, students will create photographic works influenced by moving images. Preq: APH 241, 242.