

**Minutes of the University Curriculum Committee**  
**January 12, 2007**  
**217 Koldus**

Members present: Robert Knight (Chair), College of Agriculture and Life Sciences; Tim Scott (Vice-Chair), College of Science; Les Feigenbaum, College of Architecture; Jim Kracht, College of Education and Human Development; Cynthia LaJimodiere, Dwight Look College of Engineering; Vatche Tchakerian, College of Geosciences; Pamela Matthews, College of Liberal Arts; George Fowler, Mays Business School; Norma Funkhouser, Medical Sciences Library; Kristin Harper (for Martyn Gunn), Undergraduate Programs and Academic Services; Laurie Jaeger, College of Veterinary Medicine and Biomedical Sciences.

Guests: Elsa Murano, A. Gene Nelson, and Joe Townsend, College of Agriculture and Life Sciences; Chris Townsend, Department of Agricultural Leadership, Education, and Communications; Richard Davison and Terry Larsen, Department of Architecture; Richard Burt, Department of Construction Science; Kevin Heinz, Pete Teel, and Jeff Tomberlin, Department of Entomology; David Vaught, Department of History; Sam Cohn, Department of Sociology; Skip Landis, College of Veterinary Medicine and Biomedical Sciences; Claudia Nelson, Women's Studies Program.

The University Curriculum Committee recommends approval of the following:

1. The minutes of the December 8, 2006 meeting.
2. New Courses

**EURO 425. French Film. (3-0). Credit 3.** Overview of French cinema from its origins to the present; interpretation of French cultural history and politics through film; taught in English. Prerequisites: Junior or senior classification, or approval of instructor. Cross-listed with FREN 425 and FILM 425.

**EURO 443. Contemporary Russian Prose. (3-0). Credit 3.** Study of Russian and Soviet 20<sup>th</sup>-century prose literature, with emphasis on post-Stalinist and post-glasnost writers. Prerequisites: Junior or senior classification, or approval of instructor. Cross-listed with RUSS 443.

**FILM 425. French Film. (3-0). Credit 3.** Overview of French cinema from its origins to the present; interpretation of French cultural history and politics through film; taught in English. Prerequisites: Junior or senior classification, or approval of instructor. Cross-listed with EURO 425 and FREN 425.

**FILM 455. Italian Cinema. (3-0). Credit 3.** Survey of Italian cinema from Neorealism to the present; taught in English. Prerequisites: Junior or senior classification, or approval of instructor. Cross-listed with EURO 455 and ITAL 455.

**HIST 221. History of Islam. (3-0). Credit 3.** Introduction to the history of Islam, from the origins of the religion to the present; development of Islamic law; gender issues; expansion of Islam to Sub-Saharan Africa and South Asia; globalized Islam. Cross-listed with RELS 221.

**HIST 322. History of the Iberian World. (3-0). Credit 3.** Introduction to the people and places of the Iberian World, ca. 1500-1900; social, political and economical relations between Spain, Portugal, Asia and the Americas; emergence of a shared culture and cross-cultural exchange. Prerequisite: Junior or senior classification.

**HIST 329. Modern Mediterranean World. (3-0). Credit 3.** Critical examination of Mediterranean history; colonialism, industrialization, and other trans-national phenomena linking Africa, Asia, and Europe; social and political movements, migration, intellectual trends. Prerequisite: Junior or senior classification.

**HIST 334. History of Europe in the Nineteenth Century. (3-0). Credit 3.** Cultural, economic, and political processes that shaped European civilization (east and west); the Napoleon era; industrialization and urbanization; liberalism and socialism; empire and revolution; cultural developments. Prerequisite: Junior or senior classification.

**HIST 353. Modern South Asia. (3-0). Credit 3.** Survey of the modern nation states of South Asia, including India, Pakistan, Bangladesh, Afghanistan, Nepal, Ceylon, Bhutan, and Burma, ca., 1600 to the present; major political events; economic, social, and cultural developments. Prerequisite: Junior or senior classification.

**MKTG 327. Retail Merchandising. (3-0). Credit 3.** Retail theories and best merchandising practices conducive to enhancing sales and profit growth. Prerequisites: MKTG 321; junior or senior classification.

**PHYS 420. Concepts, Connections, and Communication. (1-0). Credit 1.** Stars and atoms; new physics; post-Newtonian universe. Prerequisite: Junior or senior classification

**RELS 221. History of Islam. (3-0). Credit 3.** Introduction to the history of Islam, from the origins of the religion to the present; development of Islamic law; gender issues; expansion of Islam to Sub-Saharan Africa and South Asia; globalized Islam. Cross-listed with HIST 221.

**RUSS 443. Contemporary Russian Prose. (3-0). Credit 3.** Study of Russian and Soviet 20<sup>th</sup>-century prose literature, with emphasis on post-Stalinist and post-glasnost writers. Prerequisites: RUSS 201 or registration therein, or approval of instructor. Cross-listed with EURO 443.

**SOCI 337. International Migration. (3-0). Credit 3.** Survey of theories and trends in international migration. Prerequisite: Junior or senior classification, or approval of instructor.

**WMST 401. Feminist Theory. (3-0). Credit 3.** Inquiry-based examination of feminist theory from various periods and disciplinary perspectives, with application to societal debates and controversies. Prerequisites: WMST 200 or approval of instructor; junior or senior classification.

**WMST 463. Gender in Asia. (3-0). Credit 3.** Gender dynamics in Asia; changes in gender roles; women's movements; women and the economy; women and politics; men's and women's private lives. Prerequisites: Junior or senior classification or approval of instructor. Cross-listed with SOCI 463.

3. Withdrawal of Courses

**ARCH 306. Architectural Design III.**

**ENDS 392. Pre-Professional Residency Experience.**

4. Change in Courses

**ACCT 467. Ethics in Business.**

Course prefix

From: ACCT 467.  
To: BUSN 467.

**FREN 414. Contemporary French Film and Media.**

Course number and title

From: FREN 414. Contemporary French Film and Media.  
To: FREN 425. French Film.

Course description and prerequisites

From: Examination of the production, dissemination, and interpretation of French culture through film, television, radio and newspapers, with special attention to the politics of mass culture in France; analysis of the language specific to each medium; conducted in French. FREN 300 and an additional 3 hours at 300-level.  
To: Overview of French cinema from its origins to the present; interpretation of French cultural history and politics through film; taught in English. FREN 202 or approval of instructor. Cross-listed with EURO 425 and FILM 425.

**WMST 481. Senior Seminar in Women's Studies.**

Course title

From: Senior Seminar in Women's Studies.  
To: Senior Seminar.

Course description and prerequisites

From: Survey of key feminist texts; history of women's thought with emphasis on post-World War II feminist theory; analysis of recent landmark texts and contemporary theories, with attention to the diversity of women's ethnic, class, sexual and cultural experience; application of theories to current debates and controversies. Prerequisites: WMST 200 or approval of instructor.  
To: Inquiry-based investigation of an issue, problem, or question, using gender or feminism as the organizing principle for analysis; methods and materials of scholarship in the field; includes opportunities for student research. Prerequisites: Senior classification or approval of instructor.

5. Change in Curricula

**College of Architecture**

Department of Architecture

Bachelor of Environmental Design

Visual Studies Option

New Courses

**ENDS 474. Designing for the Web. (2-4). Credit 3.** Visual presentations on the web using web standards design; foundations of web technologies; web page and site creation; design typography for the web; controlling the page real estate through cascading style sheets (CSS); imaging for the web; the creation and use of color and graphics. Prerequisite: Junior or senior classification.

**VIST 271. Computing Environments. (3-1). Credit 3.** Introduction to the theory and practice of visual computer based problem solving; system tools; scripting; high level programming constructs; interactive programming and interface design; development concepts and principles useful in digital art and visualization production. Prerequisites: CPSC 206 or approval of the Chair of the Visual Studies Option.

**VIST 441. Scientific and Technological Developments in Visual Arts. (3-1). Credit 4.** Advanced level course focusing on the relationship between art, science and technology; visual arts before the digital revolution; the development of computer graphic arts. Prerequisite: Upper level classification or approval of the Chair of the Visual Studies Option.

**College of Architecture**

Department of Construction Science  
B.S. in Construction Science

New Course

**COSC 364. Construction Safety I. (1-0). Credit 1.** Administration and application of the OSHA Act in the construction industry; includes standards, the general duty clause, competent person, and hazard identification; fulfills the requirements for the ten-hour OSHA certifications. Prerequisite: Admission to upper level in College of Architecture.

Change in Courses

**COSC 321. Structural Systems I.**

Lecture, lab, credit hours

From: (3-2) Credit 4.

To: (2-3) Credit 3.

**COSC 323. Soils in Construction.**

Lecture, lab, credit hours

From: (2-3) Credit 3.

To: (1-3) Credit 2.

**COSC 440. Interdisciplinary Capstone.**

Lab, credit hours

From: (2-4) Credit 4.

To: (2-3) Credit 3.

**COSC 441. Residential Construction.**

Course title

From: Residential Construction.

To: Residential Capstone.

Lecture, lab hours

From: (3-0) Credit 3.

To: (2-3) Credit 3.

**COSC 442. Commercial Construction.**

Course title

From: Commercial Construction.  
To: Commercial Capstone.

Lecture, lab hours

From: (3-0) Credit 3.  
To: (2-3) Credit 3.

**COSC 443. Industrial Construction.**

Course title

From: Industrial Construction.  
To: Industrial Capstone.

Lecture, lab hours

From: (3-0) Credit 3.  
To: (2-3) Credit 3.

**COSC 444. Highway/Heavy Construction.**

Course title

From: Highway/Heavy Construction.  
To: Highway/Heavy Capstone.

Lecture, lab hours

From: (3-0) Credit 3.  
To: (2-3) Credit 3.

**COSC 446. Specialty Construction.**

Course title

From: Specialty Construction.  
To: Specialty Capstone.

Lecture, lab hours

From: (3-0) Credit 3.  
To: (2-3) Credit 3.

**COSC 464. Construction Safety.**

Course title

From: Construction Safety.  
To: Construction Safety II.

**College of Liberal Arts**

Department of English  
B.A. in English  
Literature Track  
Creating Writing Track  
Rhetoric Track

**College of Science**

Department of Biology  
B.A. in Biology  
B.S. in Biology  
B.S. in Microbiology  
B.S. in Molecular and Cell Biology  
B.S. in Zoology

**College of Science**

Department of Chemistry  
B.A. in Chemistry  
B.S. in Chemistry

New Courses

**CHEM 327. Physical Chemistry I. (3-0). Credit 3.** Introduction to quantum mechanics, exactly solvable model problems; many electron systems and approximate methods; chemical bonding and the electronic structure of molecules; rotational, vibrational, and electronic spectroscopy; molecular symmetry. Prerequisite: MATH 172 or 152; MATH 221, 251 or 253 encouraged.

**CHEM 328. Physical Chemistry II. (3-0). Credit 3.** A rigorous treatment of first, second, and third laws of thermodynamics; applications to gases (both ideal and real), liquids, solutions and phase equilibria; statistical thermodynamics; kinetic theory of gases; introduction to chemical kinetics. Prerequisite: CHEM 327.

**College of Science**

Department of Mathematics  
B.S. in Applied Mathematical Sciences  
Applied Mathematics Emphasis  
Computing Science Emphasis  
Economics Emphasis  
Mathematical Finance Emphasis  
Statistics Emphasis

B.A. in Mathematics  
B.S. in Mathematics

**College of Science**

Department of Physics  
B.A. in Physics  
B.S. in Physics

6. New Degree Program

**College of Agriculture and Life Sciences**

Department of Entomology  
B.S. in Forensic and Investigative Sciences

New Courses

**FISC 205. Introduction to Forensic and Investigative Sciences. (3-0). Credit 3.** Overview of principles, procedures, and concepts of forensic and investigative sciences; instruction in the definitions, scope, and use of tools, techniques and protocols in forensic applications used to resolve social, regulatory, and legal disputes. Prerequisites: Freshman or sophomore classification or approval of instructor.

**FISC 291. Research. (0-12). Credit 1 to 4.** Research conducted under the direction of a faculty member in the department of entomology. May be repeated 3 times for credit. Prerequisite: Freshman or sophomore classification.

**FISC 316. Biotechnology and Forensics. (3-0). Credit 3.** Introduction of applications of biotechnology for agriculture and human health purposes; description of experimental protocols used to create genetically modified organisms (GMOs); discussion of the risks, benefits, and regulations controlling the use of biotechnology in society. Prerequisites: GENE 301, or equivalent or approval of instructor.

**FISC 415. Practice and Principles of Science and Law. (3-0). Credit 3.** Introduction to series of practitioners of forensic science and the justice system; receive instruction on principles, procedures, and practices used in solving legal and societal issues; examine scientific method and scientific knowledge as applied through expert testimony; enhance critical thinking and reasoning skills in studying and debating different positions of current issues of science and law. Prerequisites: FISC 205, 431 and 432; junior or senior classification or approval of instructor.

**FISC 431. The Science of Forensic Entomology. (3-0). Credit 3.** Explores the science, technology, and methodology employed to gather, preserve, and present information about insects and other arthropods in such a manner that this information can be used in courts of law as evidence and testimony to help resolve issues of a criminal or civil nature. Prerequisites: Junior or senior classification or approval of instructor. Cross-listed with ENTO 431.



**FISC 432. Applied Forensic Entomology. (0-3). Credit 1.** Laboratory-based course affording students practical experience using scientific information, methodology, technology, and legal procedures inherent to the field of forensic entomology; emphasis on collecting, preserving, and identifying information as evidence and expert witness testimony in courts of law. Prerequisites: Concurrent enrollment with FISC 431; junior or senior classification or approval of instructor. Cross-listed with ENTO 432.

**FISC 435. Case Studies in Problem Solving. (3-0). Credit 3.** Development of reasoning strategies by examining a variety of case studies; solving real-world problems as part of an investigative team. Prerequisite: Junior or senior classification or approval of instructor. Cross-listed with ENTO 435.

**FISC 481. Seminar. (1-0). Credit 1.** Analysis of research topics related to the fields of forensic science and law. May be taken 4 times for credit. Prerequisite: Junior or senior classification or approval of instructor.

**FISC 482. Occupational and Professional Development. (2-0). Credit 2.** Organized instruction in written and oral communication; acquaint students with private and public-sector companies and agencies as well as leading professionals from these firms to reinforce academic instruction and prepare students for the transition to employment, graduate and professional schools. Prerequisite: Junior or senior classification or approval of instructor. Cross-listed with ENTO 482.

**FISC 484. Professional Internship. (0-12). Credit 1 to 4.** Independent study and supervised field experience related to a professional area or interest in forensic science. May be taken 3 times for credit. Prerequisite: Junior or senior classification or approval of instructor.

**FISC 491. Research. (0-12). Credit 1 to 4.** Research conducted under the direction of a faculty member in the department of entomology. May be repeated 3 times for credit. Prerequisite: Junior or senior classification.

Change in Courses

**ENTO 435. Problem Solving in Entomology.**

Course title

From: Problem Solving in Entomology.  
To: Case Studies in Problem Solving.

Course description

From: Development of reasoning strategies; investigate a series of entomological case studies; challenges to solving real-world entomological problems as part of a team of investigators.  
To: Development of reasoning strategies by examining a variety of case studies; solving real-world problems as part of an investigative team. Cross-listed with FISC 435.

**ENTO 482. Career and Professional Development in Entomology.**

Course title

From: Career and Professional Development in Entomology.  
To: Occupational and Professional Development.

Course description

From: Organized instruction in written and oral communication; reinforce academic instruction by acquainting students with leading entomology professionals from private and public-sector companies and agencies; students will research entomologically related opportunities and contacts in businesses, corporations and government; issues researched will include expectations and responsibilities of entomologists in public and private-sector employment; professional development and leadership opportunities. Prerequisites: ENTO 201 or equivalent; junior or senior classification or approval of instructor.  
To: Organized instruction in written and oral communication; acquaint students with private and public-sector companies and agencies as well as leading professionals from these firms to reinforce academic instruction and prepare students for the transition to employment, graduate and professional schools. Cross-listed with FISC 482. Prerequisite: Junior or senior classification or approval of instructor.

7. Administrative Change - Degree Program Name Change

**College of Education and Human Development**

Interdepartmental Degree Program

B.S. in Interdisciplinary Studies

Human Resource Development Option (Non-Certification)

Technology Management Option (Non-Certification)

Proposed names:

B.S. in Human Resource Development

B.S. in Technology Management

8. Special Consideration

**College of Agriculture and Life Sciences**

Area of Concentration – Agriculture and Life Sciences Studies

**College of Agriculture and Life Sciences**

Department of Agricultural Leadership, Education, and Communications

Area of Concentration – Leadership Studies

**College of Science**

Department of Biology

Area of Concentration - Biology

9. The following items were tabled.

- IBUS 403 – needs updated syllabus (course content).
- MKTG 403 – needs updated syllabus (course content).