

REPORT: COMMITTEE ON CURRICULA AND COURSES

(For consideration by the Faculty Senate at its December 1, 1999 meeting)

The Committee requests that any department which has a proposal being recommended by the Committee on Curricula and Courses provide a spokesperson to attend the Faculty Senate meeting in which said proposal is to be recommended. Please contact William Jacoby in advance if errors are noted.

Telephone: 777-6683 or E-mail: william-jacoby@sc.edu Dept. of Government and International Studies

I. COLLEGE OF EDUCATION

Deletion

EDUC 203 CLASSROOM STRATEGIES. (3)

II. COLLEGE OF ENGINEERING

Department of Mechanical Engineering

New course

EMCH 521 CONCURRENT ENGINEERING. (3) (Prereq: EMCH 327)

A systematic approach to the mechanical design of products, requiring the concurrent design of all related processes.

Change in description

FROM: EMCH 527 DESIGN OF MECHANICAL SYSTEMS. (3)

Continuation of the study of mechanical components; summary of mechanical design; products liability and the law; patents; ethics and professionalism.

TO: EMCH 527 DESIGN OF MECHANICAL SYSTEMS. (3)

Summary of mechanical design, project management, product liability and the law, intellectual property ethics and professionalism.

III. SCHOOL OF THE ENVIRONMENT

New course

ENVR 500 ENVIRONMENTAL PRACTICUM. (Prereq: permission of instructor)
Multi-disciplinary research projects related to University or community environmental problems (e.g. energy, water conservation, solid waste, recycling).

IV. SCHOOL OF MUSIC

Change in title and description

FROM: MUSC 538 ADVANCED SEQUENCING AND MULTI-TRACK

DIGITAL RECORDING. (3) (Prereq: MUSC 536)

An exploration of advanced techniques for the creation, manipulation, and recording of musical sounds through digital technology.

TO: MUSC 538 MIDI MUSIC PRODUCTION. (3) A course on composition and arranging focusing on MIDI as the central production elements.

V. COLLEGE OF SCIENCE AND MATHEMATICS

A. Department of Biological Sciences

Change in curriculum, University Bulletin, page 218

NOTE: The curriculum change for the Department of Biological Sciences is **not** available through the Web at this time. But a printed copy has been sent to your deans, department chairs, and senators.

B. Department of Computer Science

Change in prerequisites

FROM: CSCI 146 INTRODUCTION TO ALGORITHMIC DESIGN II. (4)

(Prereq: CSCI 145 and MATH 174)

TO: CSCI 146 INTRODUCTION TO ALGORITHMIC DESIGN II. (4)

(Prereq: Grades of C or better in CSCI 145 and MATH 174)

FROM: CSCI 220 DATA STRUCTURES AND ALGORITHMS. (3)

(Prereq: CSCI 146)

TO: CSCI 220 DATA STRUCTURES AND ALGORITHMS. (3)

(Prereq: A grade of C or better in CSCI 146)

Change in curriculum, University Bulletin, UG 223

NOTE: The curriculum change for the Department of Computer Science is **not** available through the Web at this time. But a printed copy has been sent to your deans, department chairs, and senators.

C. Department of Geology

New courses

GEOL 201 OBSERVING THE EARTH. (4) An introduction to study of the earth through observation of ancient and modern earth systems in a field setting. Field trips required.

GEOL 202 ROCKS AND MINERALS. (4) Introduction to rock-forming minerals, and an overview of igneous, sedimentary, metamorphic rocks. Two hours of lecture and two lab periods per week. Field trips required.

GEOL 305 EARTH SYSTEMS THROUGH TIME. (4) Survey of earth history, the evolution of continents and oceans, the history of life, and geological dating methods. Includes laboratory and recitation. Required field trips. Taught alternate years.

GEOL 315 SURFACE AND NEAR SURFACE PROCESSES. (4) (Prereq: PHYS 201 or 211 or consent of instructor) Overview of groundwater, surface water hydrology, sediment transport, river systems and coastal processes. Includes laboratory and recitation. Required field trips; taught alternate years.

GEOL 325 STRATIGRAPHY AND SEDIMENTARY BASINS. (4)(Prereq: GEOL 201, 202) Overview of sedimentary basins, sediment transport, sedimentation, depositional environments, stratigraphy, seismic stratigraphy, eustacy, and sedimentary petrology. Includes laboratory and recitation. Required field trips; taught alternate years.

GEOL 335 GLOBAL AND ENVIRONMENTAL CHANGE. (4) The science of global change, its relation to the hydrosphere, atmosphere, lithosphere and biosphere.

Global system science, biogeochemical cycles, paleoclimatology, glaciation and eustasy. Includes laboratory and recitation. Taught alternate years.

GEOL 345 INTERNAL EARTH. (4) (Prereq: GEOL 201, 202; MATH 141; CHEM 111, PHYS 201 or 211 recommended) Internal structure and composition of the earth and its relation to tectonic processes. Seismology, igneous rocks, volcanoes, plate tectonics, isostasy. Includes laboratory and recitation. Required field trips; taught alternate years.

GEOL 355 MOUNTAIN BUILDING: STRUCTURE AND TECTONICS. (4) (Prereq: GEOL 201, 201; PHYS 201 or 211) Mountain building and crustal deformation. Stress and strain, P-T-t paths in mountain belts, role of mountain building in plate tectonics. Includes laboratory and recitation. Required field trips; taught alternate years.

GEOL 371 A VIEW OF THE RIVER. (3) (Prereq: GEOL 101 or 103) Introduction to terrestrial and tidal river morphology and processes, with case studies of South Carolina. Field trips required.

Deletions

GEOL 200 SELECTED TOPICS IN GEOLOGY. (1)

GEOL 301 GEOLOGIC TIME AND STRATIGRAPHY. (4)

GEOL 311 PALEONTOLOGY. (4)

GEOL 321 DETERMINATIVE, DESCRIPTIVE, AND OPTICAL
MINERALOGY. (4)

GEOL 326 INTRODUCTION TO PETROLOGY. (4)

GEOL 331 STRUCTURAL GEOLOGY. (4)

GEOL 336 INTRODUCTION OF GEOPHYSICS. (4)

Change in title and description

FROM: GEOL 102 HISTORICAL GEOLOGY. (4) The practice of geology as a historical science with emphasis on the methods of analysis, nature of the record, and guiding philosophy that have allowed geologists to decipher the history of the earth. Three lectures and three laboratory hours each week.

TO: GEOL 102 FOSSILS AND THE EVOLUTION OF LIFE ON EARTH. (4) Basic overview of fossils, including dinosaurs, and their importance for understanding earth history and the evolution of life. Three lectures and three laboratory hours each week.

Change in number, credit, and description

FROM: GEOL 105 REAL ESTATE GEOLOGY. (4) Application of geologic concepts to land development, Recognition of hazards related to the hydrologic cycle, land stability, soils, coastal environment , and earthquakes. Three lecture hours and two laboratory hours each week.

TO: GEOL 220 REAL ESTATE GEOLOGY. (3) Application of geologic concepts to land development. Recognition of hazards related to the hydrologic cycle, land stability, soils, coastal environment, and earthquakes. Intended for non-science majors. Three lecture hours each week.

Change in curriculum, University Bulletin, page UG 225

NOTE: The curriculum change for the Department of Geological Sciences is **not** available on the Web at this time. But a printed copy has been sent to your deans, department chairs, and senators.

VI. MAY SESSION COURSES. (For the Senate's information)

A. College of Liberal Arts

Department of English

ENGL 566M-001 TOPICS: CHILDREN'S BOOKS TO CHILDREN'S FILMS. (3)
After a brief discussion of illustrated adaptations of early texts for children, the major focus will be current cinematic versions of books for children and young adults.

ENGL 566M-002 TOPICS: BLACKS AND JEWS IN AMERICAN CINEMA. (3)
This course will explore the roles and situations of arguably the two most important minorities in the making of the American cinema.

ENGL 566M-003 HOLLYWOOD FILMS OF THE 30'S AND 40'S. (3) Study of select comedies and melodramas from the first two decades of the sound era. Considerable attention will be devoted to their preoccupation with relations between the sexes.

ENGL 566M-004 NARRATIVE, GENDER, SEX, AND FILM. (3) Examine how certain films interrogate or examine construction of gender and sexuality, and specifically etiological and teleological narratives of gender and sexual identity.

B. Southern Studies Program

SOST 410M BACKYARD BATTLES. (3) Students in this course will take. Students in this course will take advantage of the rich martial heritage that surrounds the USC campus. They will visit Revolutionary War battlefields and follow in the footsteps of General Sherman's army. By taking a local, interdisciplinary approach, they will examine larger questions about the role of the armed forces in shaping regional identity. In the process, they will develop a heightened sense of "place" that will help them to appreciate better their personal history and culture.

SOST 411M TOPICS IN SOUTHERN FILM. (3) An introduction to films about the American South from the silent era to the present moment with an emphasis on the interaction of history, cultures, and the changing portrayal of life in the South.

SOS 412 HISTORY OF THE UNIVERSITY OF SOUTH CAROLINA. (3) This course is an examination of the history of the University of South Carolina from its beginnings until the present day. It will trace the institution's evolution from a small college to a modern research university. By examining USC's development in the context of state, regional, and national developments in higher education, students will gain an appreciation of the institution and its important place in the South Carolina community.

VII. EXPERIMENTAL COURSES (For the Senate's information only).

EECE 554X DIGITAL CONTROL SYSTEMS. (3) (Prereq: EECE 331) Analysis and design of digital electronic systems for feedback control of electrical and electromechanical systems.

ADDENDUM:

A. COLLEGE OF EDUCATION

New course

EDSE 580 TEACHING ADVANCED LATIN IN SECONDARY SCHOOL. [=LATN 580] (3) (Prereq: permission of instructor) Methods and materials for teaching the Latin Advanced Placement courses in secondary school.

B. COLLEGE OF LIBERAL ARTS

Department of French and Classics

New course

LATN 580 TEACHING ADVANCED LATIN IN SECONDARY SCHOOL.
[=EDSE 580] (3) (Prereq: permission of instructor) Methods and materials for teaching the Latin Advanced Placement courses in secondary school.