

REPORT: COMMITTEE ON CURRICULA AND COURSES
(For consideration by the Faculty Senate at its March 2, 2005 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 Victor Giurgiutiu (Mechanical Engineering) in advance if errors are noted, either by phone: 777-8018 or e-mail: victorg@sc.edu

1. COLLEGE OF ARTS AND SCIENCES

A. Department of Art

New course

ARTH 555 History of Documentary Film. [=FILM 555] (3) History, theory and practices of documentary film studied via screenings, readings and lectures.

B. Department of Chemistry and Biochemistry

Change in credit hours and descriptions

From: 541L Physical Chemistry Laboratory. (1) (Prereq: CHEM 321L or SCCC 104 or consent of instructor; Prereq or Coreq: CHEM 541) Applications of physical chemical techniques. Three laboratory hours and one recitation hour per week.

To: 541L Physical Chemistry Laboratory. (2) (Prereq: CHEM 321L or SCCC 104 or consent of instructor; Prereq or Coreq: CHEM 541) Applications of physical chemical techniques. Five laboratory hours and one recitation hour per week.

From: 542L Physical Chemistry Laboratory. (1) (Prereq: CHEM 321L or SCCC 104 or consent of instructor; Prereq or Coreq: CHEM 542) Applications of physical chemical techniques. Three laboratory hours and one recitation hour per week.

To: 542L Physical Chemistry Laboratory. (2) (Prereq: CHEM 321L or SCCC 104 or consent of instructor; Prereq or Coreq: CHEM 542) Applications of physical chemical techniques. Five laboratory hours and one recitation hour per week.

C. Program of Film Studies

New course

FILM 555 History of Documentary Film. [=ARTH 555] (3) History, theory and practices of documentary film studied via screenings, readings and lectures.

D. Languages, Literatures, and Cultures**Change in title and description**

- From: CLAS 320 Women in Greco-Roman Antiquity. [=WOST 320] (3) Evidence for women's lives as transmitted in ancient literary, epigraphical, and other remains; roles of women in these societies; images of women in their literature; male attitudes toward women; women's writings.
- To: CLAS 320 Sexuality and Gender in Ancient Greece [=WOST 320] (3) Gender roles, standards of sexual behavior, evidence for women's lives, as manifested in ancient Greek literary and archaeological evidence; attitudes towards homosexuality; the modern media's representation of famous Greeks.

New course

- CLAS 321 Sexuality, Gender, and Power in Ancient Rome. [=WOST 321] (3) (Prereq: CLAS 320) Sexuality as a social construct exemplified in standards of sexual behavior in Ancient Rome and their reinforcement of the ruling ideology; feminine virtue, definitions of manliness, attitudes towards homosexuality.

E. Department of Psychology**New courses**

- PSYC 507 Cognitive Neuroscience. (3) (Prereq: one course from PSYC 400, 405, 450 or 460) Research and theories on the role of the brain in facets of cognitive behavior, including attention, short-term and working memory, perception, language, executive function, thinking, and problem solving.
- PSYC 571 Cognitive Neuroscience Laboratory. (3) (Prereq: PSYC 226 and 227; Prereq or coreq: one course from PSYC 400, 405, 450, 460, or 507) Methods of observation and experimentation in cognitive neuroscience. Two lectures and one three-hour laboratory per week.

F. Women's Studies Program**Change in title and description**

- From: WOST 320 Women in Greco-Roman Antiquity. [=CLAS 320] (3) Evidence for women's lives as transmitted in ancient literary, epigraphical, and other remains; roles of women in these societies; images of women in their literature; male attitudes toward women; women's writings.

To: WOST 320 Sexuality and Gender in Ancient Greece [=CLAS 320] (3) Gender roles, standards of sexual behavior, evidence for women's lives, as manifested in ancient Greek literary and archaeological evidence; attitudes towards homosexuality; the modern media's representation of famous Greeks.

New course

WOST 321 Sexuality, Gender, and Power in Ancient Rome. [=CLAS 321] (3) (Prereq: WOST 320) Sexuality as a social construct exemplified in standards of sexual behavior in Ancient Rome and their reinforcement of the ruling ideology; feminine virtue, definitions of manliness, attitudes towards homosexuality.

2. COLLEGE OF EDUCATION

Change in curriculum, printed in Undergraduate Bulletin 2004-2005, pages 61-62

Change in Science and Mathematics Requirements for the B.A. or B.S. in Middle Level Education

<u>Current</u>	<u>Proposed</u>
<p>B.A. or B.S. in Middle Level Education</p> <p>B. Science and Mathematics (13- 19 hours)</p> <p>Natural Sciences: one of BIOL 101 and 101L or BIOL 120 and 120L (4), and</p> <p>For BA students: either one course in physical science (chosen from the following: PHYS 101 and 101L (4), ASTR 111 and 111A (4), CHEM 102 (4), CHEM 105 (3), CHEM 111 (4), or one course in earth science (chosen from the following: GEOL 101 (4), GEOL 103 (4), GEOL 201 (4), or ENVR 101 and 101L (4)). (3-4)</p> <p>For BS students: BOTH a course in physical science AND a course in earth science (chosen from the lists above). (7-8)</p>	<p>B.A. or B.S. in Middle Level Education</p> <p>B. Science and Mathematics (13- 19 hours)</p> <p>Natural Sciences: one of BIOL 101 and 101L or BIOL 120 and 120L (4), and</p> <p>For BA students: either one course in physical science (chosen from the following: PHYS 101 and 101L (4), PHYS 200 (3), ASTR 111 and 111A (4), CHEM 102 (4), CHEM 105 (3), CHEM 111 (4), or one course in earth science (chosen from the following: GEOL 101 (4), GEOL 103 (4), GEOL 201 (4), MSCI 101 (4), or ENVR 101 and 101L (4)). (3-4)</p> <p>For BS students: BOTH a course in physical science AND a course in earth science (chosen from the lists above). (7-8)</p>

<u>Current</u>	<u>Proposed</u>
<p>Science Specialization (18-23 sh)</p> <p>Life Science, two courses from the following (6-8): BIOL 200 Plant Science (3) and BIOL 200L Plant Science Laboratory (1) BIOL 206 Genetics and Society (3) BIOL 232 Anatomy (3) BIOL 270 Introduction to Environmental Biology (3) and 270L Introduction to Environmental Biology Laboratory (1)*</p> <p>Physical Science, two courses from the following (6-8): PHYS 201 General Physics I (3) and 201L General Physics I Laboratory (1) PHYS 202 General Physics II (3) and 202L General Physics II Laboratory (1), PHYS 153 Physics in the Visual Arts (3) and PHYS 153L Physics in the Visual Arts Laboratory (1) PHYS 155 Musical Acoustics (3) CHEM 102 Fundamental Chemistry (4) ** CHEM 105 Chemistry and Modern Man (3) ** CHEM 111 General Chemistry (4) **</p> <p>Earth Science, two courses from the following (6-7): GEOL 202 Rocks and Minerals (4) GEOL 205 Earth Resources (3) * MSCI 210 Oceans and Man (3) GEOL 215 Coastal Environments of the Southeastern U.S. (3) (=MSCI 215) GEOL 230 Geology of National Parks (3), GEOL 250 Continental Drift and Ice Ages (3)</p> <p>* If GEOL 103 was used to meet the General Education requirement, BIOL 270 or GEOL 205 cannot be used. **Only CHEM courses NOT used to meet the General Education requirement can be used for the science specialization.</p>	<p>Science Specialization (18-23 sh)</p> <p>Life Science, two courses from the following (6-8): BIOL 200 Plant Science (3) and BIOL 200L Plant Science Laboratory (1) BIOL 206 Genetics and Society (3) BIOL 232 Anatomy (3) BIOL 270 Introduction to Environmental Biology (3) and 270L Introduction to Environmental Biology Laboratory (1)* SMED 587 Interdependence of Living Systems (3)</p> <p>Physical Science, two courses from the following (6-8): PHYS 201 General Physics I (3) and 201L General Physics I Laboratory (1) PHYS 202 General Physics II (3) and 202L General Physics II Laboratory (1), PHYS 153 Physics in the Visual Arts (3) and PHYS 153L Physics in the Visual Arts Laboratory (1) PHYS 155 Musical Acoustics (3) CHEM 102 Fundamental Chemistry (4) ** CHEM 105 Chemistry and Modern Man (3) ** CHEM 111 General Chemistry (4) ** SMED 586 Energy, Motion, and Matter (3)</p> <p>Earth Science, two courses from the following (6-7): GEOL 202 Rocks and Minerals (4) GEOL 205 Earth Resources (3) * MSCI 210 Oceans and Man (3) GEOL 215 Coastal Environments of the Southeastern U.S. (3) (=MSCI 215) GEOL 230 Geology of National Parks (3), GEOL 250 Continental Drift and Ice Ages (3) SMED 588 Origin and Evolution of Living and Non-Living Systems (3)</p> <p>* If GEOL 103 was used to meet the General Education requirement, BIOL 270 or GEOL 205 cannot be used. **Only CHEM courses NOT used to meet the General Education requirement can be used for the science specialization.</p>

<u>Current</u>	<u>Proposed</u>
<p>B.A. or B.S. in Middle Level Education</p> <p>Mathematics Specialization (18-20) MATH 172 Mathematical Modeling or MATH 142 Calculus II (3-4) MATH 222 Basic Concepts of Elementary Mathematics II or MATH 531 Foundations of Geometry (3) STAT 201 Elementary Statistics (if not used for General Education requirement) (3) MATH 401 Conceptual History of mathematics or MATH 241 Vector Calculus (3) Two chosen from among the following (three courses if STAT 201 was used for meeting the General Education requirement) (6-9):</p> <p>MATH 141 Calculus I (if not used for General Education requirement) (4) MATH 142 Calculus II (4) or MATH 241 Vector Calculus (3) (if not used above)</p> <p>MATH 170 Finite Mathematics (3) or MATH 174 Discrete Mathematics for Computer Science (3), but not both MATH 511 Probability (3) MATH 544 Linear Algebra (3) MATH 546 Algebraic Structures I (3) MATH 574 Discrete Mathematics (3) MATH 580 Elementary Number Theory (3) STAT 506 Introduction to Experimental Design (3) STAT 515 Statistical Methods (3)</p>	<p>B.A. or B.S. in Middle Level Education</p> <p>Mathematics Specialization (18-20) MATH 172 Mathematical Modeling or MATH 142 Calculus II (3-4) MATH 222 Basic Concepts of Elementary Mathematics II or MATH 531 Foundations of Geometry (3) STAT 201 Elementary Statistics (if not used for General Education requirement) (3) MATH 401 Conceptual History of mathematics or MATH 241 Vector Calculus (3) Two chosen from among the following (three courses if STAT 201 was used for meeting the General Education requirement) (6-9):</p> <p>MATH 141 Calculus I (if not used for General Education requirement) (4) MATH 142 Calculus II (4) or (if not used above) MATH 241 Vector Calculus (3) (if not used above) MATH 170 Finite Mathematics (3) or MATH 174 Discrete Mathematics for Computer Science (3), but not both MATH 511 Probability (3) MATH 544 Linear Algebra (3) MATH 546 Algebraic Structures I (3) MATH 574 Discrete Mathematics (3) MATH 580 Elementary Number Theory (3) STAT 506 Introduction to Experimental Design (3) STAT 515 Statistical Methods (3)</p>

3. COLLEGE OF ENGINEERING AND INFORMATION TECHNOLOGY

Department of Mechanical Engineering

Change in prerequisites

From: EMCH 310 Dynamics. (3) (Prereq: EMCH 200)

To: EMCH 310 Dynamics. (3) EMCH 200 with a grade C or better)

- From: EMCH 330 Mechanical Vibrations. (3) (Prereq: EMCH 200, MATH 242)
To: EMCH 330 Mechanical Vibrations. (3) (Prereq: EMCH 200 with a grade C or better, MATH 242)
- From: EMCH 360 Fluid Mechanics. (3) (Prereq: EMCH 200, 201, MATH 241; Prereq or coreq: EMCH 310)
To: EMCH 360 Fluid Mechanics. (3) (Prereq: EMCH 200 with a grade C or better, EMCH 201, 310, MATH 241)
- From: EMCH 371 Engineering Materials. (4) (Prereq: ENGR 260)
To: EMCH 371 Engineering Materials. (4) (Prereq: EMCH 260 and EMCH 361)

4. ARNOLD SCHOOL OF PUBLIC HEALTH

Department of Health Promotion, Education, and Behavior

New course

- HPEB 542 Tobacco Prevention and Control in Public Health. (3) (Prereq: Senior or graduate level standing or consent of the instructor)
Examines policies and practices for tobacco prevention and control in public health.

5. EXPERIMENTAL COURSE: For the Senate's information only. (Experimental courses are offered for only one semester and then must be formally submitted as a course.)

COLLEGE OF LIBERAL ARTS

Department of Philosophy

- PHIL 305X Islamic Philosophy in the Western World from the Middle Ages to Modernity. (3) Major Islamic Philosophers such as al-Farabi, al-Ghazali, Avicenna and Averroes were important thinkers in Medieval & Renaissance Europe. We will examine their work and their influence.