

REPORT: COMMITTEE ON CURRICULA AND COURSES
(For consideration by the Faculty Senate at its April 28, 2008 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 Ina Rae Hark (English) in advance if errors are noted, either by phone: 777-2122 or e-mail: Hark@gwm.sc.edu

1. COLLEGE OF ARTS AND SCIENCES

A. Department of Criminology and Criminal Justice

New course

CRJU 510 Critical Incident Management for Criminal Justice. (3) Leadership and management strategies for criminal justice agencies during critical incidents and disasters including multi-agency and multi-jurisdictional response.

CRJU 512 Information-Based Management in Criminal Justice. (3) The collection and use of information and data-driven analysis in criminal justice organizations.

B. Department of English

New courses

ENGL 468 Special Topics in Creative Writing. (3) (Prereq: ENGL 360)
Focuses on a specific topic in the field of creative writing, ranging from a specialized genre to form and theory courses concentrating on poetics. May be repeated for credit under a different suffix.

ENGL 469 Creative Nonfiction. (3) (Prereq: ENGL 360) Explores the various subgenres and techniques of creative nonfiction, such as collage, memoir and literary journalism by reading polished examples and by responding to writing exercises designed to prompt ideas and hone skills.

ENGL 493 Advanced Creative Nonfiction. (3) (Prereq: ENGL 360 and 469)
The art and craft of writing creative nonfiction at the advanced level.

Change in title, prerequisite and description

From: ENGL 473 Film Media Theory. [=FILM 473, PHIL 473] (3) (Prereq: FILM 240 or ENGL 280 or PHIL at the 200 level or above or consent of instructor) Classical and contemporary film theory; early debates

over film aesthetics and more recent studies of how cinema shapes perceptions of reality, ideology, gender and race.
 To: ENGL 473 Film and Media Theory and Criticism. [=FILM 473, PHIL 473] (3) (Prereq: FILM 240 or consent of instructor) Theory and criticism of film and media from the 1910s to the present. Considers a range of critical approaches to analyzing what different forms of audio-visual media do to and for the audiences they address and the worlds they depict.

C. School of the Environment

New course

- ENVR 201 Introduction to Environmental Studies I. (4) Introduction to interdisciplinary and multidisciplinary perspectives on environmental issues. Required for environmental science majors. Integrative case studies address ways of understanding nature.
- ENVR 202 Introduction to Environmental Studies II. (4) Continuing inter- and multi-disciplinary exploration of relations between environment and society for environmental science majors. Case studies raise issues, challenges, and strategies to achieving sustainability.
- ENVR 590 Environmental Issues Seminar. (3) Collaborative study of a contemporary environmental issue. Field trips required.
Restricted to: ENVR majors or special permission of department.

Change in curriculum, Website 2007-2008 Undergraduate Bulletin, new program

<p><u>Current</u></p>	<p><u>Proposed</u></p> <p>Bachelor of Science, Environmental Science Admission, Progression and Transfer Standards</p> <ol style="list-style-type: none"> 1. Students may apply for admission to the environmental sciences major upon completion of a minimum of 24 credit hours from the University or from an accredited college or university, and with a minimum grade point average (GPA) of 2.80 on a 4.00 scale. 2. Environmental Science majors may enroll in an environmental science course a maximum of twice to earn the required grade of C or higher. For the purposes of this standard of progression, withdrawal with a W does not constitute enrollment. 3. Any student applying for transfer to the environmental sciences major from other programs within the University, or from accredited colleges and universities, is required to have a minimum grade point average of 2.80 on a 4.00 scale and a minimum of 24 credit hours. <p>Special Opportunities The major endorses the use of independent study courses to further students' intellectual pursuits in alternative ways. Before students may register for an independent study course, they must submit a completed independent study contract which has been approved by the major advisor and the Director of Undergraduate Studies. (No student</p>
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<p>may apply more than 6 hours of independent study credits toward the degree). A grade-point average of 2.75 or greater is required to enroll in independent study courses.</p> <p>Degree Requirements (128 total hours required)</p> <p>1. General Education Requirements (62-71 hours)</p> <p>Group I Writing ENGL 101, 102 (6) Must be passed with a grade of C or higher</p> <p>History Two courses at the 100 level, at least one non-U.S history (6)</p> <p>Foreign Languages Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required for all baccalaureate degrees. (0-9)</p> <p>Group II Mathematics/Statistics MATH 141 and 142 and STAT 515 (11)</p> <p>Group III Humanities Fine Arts (3) Ethics (3) Select one from PHIL 311, PHIL 312, PHIL 317, PHIL 318, PHIL 321, PHIL 341, PHIL 360, PHIL 514, or PHIL 550.</p> <p>Group IV Social Sciences POLI 201 (3), and Either ECON 221, ECON 223 or ECON 224 (3), and Either ENVR 548 {=ECON 548} or POLI 478. (3)</p> <p>Group V Laboratory Sciences 1- Biology 101 and BIOL 102 or MSCI 101 and 102 or otherwise provide the pre-requisite courses for BIOL 301. (8) 2- Laboratory Sciences (16): Students must select 16 hours from the following: CHEM 111 and 112 (8) and Either GEOL 101, GEOL 201, or GEOG 201 (4) and PHYS 201/201L or PHYS 211/211L (4)</p> <p>Pre-Major Requirements (8 hours) Environmental Literacy ENVR 201 and ENVR 202 - Introduction to Environmental Studies I and II (8). Must be passed with a grade of C or higher</p> <p>2. Major Requirements (34-36 hours) All majors must complete at least 34-36 hours of approved courses which must include the core requirements of 17-18 hours. Majors must complete 17-18 additional hours in selective courses to bring them to the required 34-36 hours total. Students are required to develop a program of study in consultation with their advisor. A minimum grade of C is required for all courses used to fulfill major requirements. Any modifications to the program of study require the approval of the Director of Undergraduate Studies.</p>

REQUIRED COURSES (17-18 HOURS)**Required of all majors (7 hours)**

ENVR 590 – Environmental Issues Seminar (3)
 BIOL 301 and 301 L (4) - Ecology and Evolution and Lab

Select 3 of 4 (10-11 hours)

GEOG 315 - Surface and Near Surface Processes (4)
 GEOG 202- Weather and Climate (4)
 ECIV 350 - Introduction to Environmental Engineering (3)
 ENHS 660 - Concepts of Environmental Health Science (3)

SELECTED COURSES WITH ADVISOR APPROVAL (17-18 HOURS)

Students, in consultation with their assigned advisor, must develop a program of study which either provides a broad set environmental science courses or allows students to focus in a defined area. Given the current course offerings and faculty expertise at the University, if a student wanted to focus their elective course work, possible areas include: Natural Systems, Climate and Weather, Water Resources, Energy, or Humans and the Environment. All Students' selective courses should include at least 2 courses taken at the 500 level, no more than 3 should be from a single discipline and no more than one Research Methods course

COURSES ACCEPTABLE FOR MAJOR CREDIT**From the School of the Environment:**

ENVR 500--Environmental Practicum. (3)
 ENVR 221 – Environmental Pollution and Health {=ENHS 221} (3)

From the Life Sciences: (for course descriptions see unit listing)

BIOL 302 -- Cell and Molecular Biology. (3)
 BIOL 330 -- Microbiology. (3)
 BIOL 330L -- Microbiology Laboratory. (1)
 BIOL 420 -- Survey of the Plant Kingdom. (3)
 BIOL 420L -- Survey of the Plant Kingdom Laboratory. (1)
 BIOL 450 -- Principles of Biological Oceanography. {=MSCI 450} (3)
 BIOL 460 -- General Physiology. (3)
 BIOL 541 -- Principles of Biochemistry. {=CHEM 550} (3)
 BIOL 541L -- Principles of Biochemistry Laboratory. {=CHEM 550L} (1)
 BIOL 549 -- Plant Physiology. (4)
 BIOL 552 -- Population Genetics. {=MSCI 552} (3)
 BIOL 570 -- Principles of Ecology. (3)
 BIOL 570L -- Principles of Ecology Laboratory. (1)
 BIOL 575 -- Marine Ecology. {=MSCI 575} (3)
 BIOL 575L -- Marine Ecology Laboratory. {=MSCI 575L} (1)
 BIOL 640 -- Microbial Ecology. (3)
 BIOL 671 -- Plant Responses to the Environment. (3)

(Other BIOL courses may be selected as approved by student's advisor)

CHEM 321 -- Quantitative Analysis. (3)
 CHEM 321L -- Quantitative Analysis Laboratory. (1)
 CHEM 333 -- Organic Chemistry I. (3)
 CHEM 333L -- Comprehensive Organic Chemistry Laboratory I. (2)
 CHEM 334 -- Organic Chemistry II. (3)
 CHEM 334L -- Comprehensive Organic Chemistry Laboratory II. (2)
 CHEM 623 -- Introductory Environmental Chemistry. (3)
 CHEM 624 -- Aquatic Chemistry. {=MSCI 624} (3)

From the Earth and Marine Sciences:

GEOG 202 -- Rocks and Minerals (4)
 GEOG 305 -- Earth Systems through Time. (4)
 GEOG 315 -- Surface and Near Surface Processes (4)
 GEOG 335 -- Processes of Global Environmental Change. (4)
 GEOG 371 -- A View of the River. (3)
 GEOG 524 -- Environmental Radioisotope Geochemistry. {=MSCI 524} (3)
 GEOG 548 -- Environmental Geophysics. (3)
 GEOG 557 -- Coastal Processes. {=MSCI 557} (3)

GEOL 560 -- Earth Resource Management. (3)
 GEOL 570 -- Environmental Hydrogeology. (3)
 GEOL 571 -- Soil Hydrology. (4)
 GEOL 575 -- Introduction to Groundwater Modeling. (3)
 GEOL 581 -- Estuarine Oceanography {=MSCI 581} (3)
 (Other GEOL courses may be selected as approved by student's advisor)
 MSCI 305 -- Ocean Data Analysis. (3)
 MSCI 312 -- Physical and Chemical Oceanography (4)
 MSCI 521 -- Introduction to Geochemistry {=ECIV 521} (3)
 MSCI 566 -- Ecosystem Analysis. (3)
 MSCI 582 -- Marine Hydrodynamics. {=GEOL 582} (3)

From the Geographical Sciences:

GEOG 202 -- Weather and Climate. (4)
 GEOG 346 -- Climate and Society. (3)
 GEOG 347 -- Water as a Resource. (3)
 GEOG 348 -- Biogeography. (3)
 GEOG 349 -- Cartographic Animation. (3)
 GEOG 363 -- Geographic Information Systems. (3)
 GEOG 530 -- Environmental Hazards. (3)
 GEOG 545 -- Synoptic Meteorology. (4)
 GEOG 546 -- Applied Climatology. (4)
 GEOG 547 -- Fluvial Geomorphology. (3)
 GEOG 549 -- Water and Watersheds. (3)
 GEOG 551 -- Principles of Remote Sensing. (3)
 GEOG 554 -- Spatial Programming. (3)
 GEOG 562 -- Satellite Mapping and the Global Positioning System. (3)
 GEOG 563 -- Advanced Geographic Information Systems. (3)
 GEOG 564 -- GIS-Based Modeling. (3)
 GEOG 567 -- Long-Term Environmental Change. {=GEOL 567}(3)
 GEOG 568 -- Human Dimensions of Global Environmental Change. (3)
 GEOG 569 -- Environment and Development. {=ANTH 569} (3)
 GEOG 570 -- Geography of Public Land and Water Policy. (3)
 GEOG 571 -- Microclimatology. (4)
 GEOG 573 -- Climatic Change and Variability. (3)

From Mathematics, Statistics and Engineering:

CSCE 206 -- Scientific Applications Programming. (3)
 CSCE 567 -- Visualization Tools. (3)
 ECHE 300 -- Chemical Process Principles. (3)
 ECHE 310 -- Introductory Chemical Engineering Thermodynamics. (3)
 ECHE 311 -- Chemical Engineering Thermodynamics. (3)
 ECHE 567 -- Process Safety, Health, and Loss Prevention. (3)
 ECHE 589 -- Special Advanced Topics in Chemical Engineering. (3)
 ECIV 350 -- Introduction to Environmental Engineering. (3)
 ECIV 350L -- Introduction to Environmental Engineering Laboratory. (1)
 ECIV 362 -- Introduction to Water Resources Management. (3)
 ECIV 405 -- Systems Applications in Civil Engineering. (3)
 ECIV 551 -- Elements of Water and Wastewater Treatment. (3)
 ECIV 555 -- Principles of Municipal Solid Waste Engineering. (3)
 ECIV 556 -- Air Pollution Control Engineering. (3)
 ECIV 557 -- Sustainable Construction for Engineers. (3)
 ECIV 558 -- Environmental Engineering Process Modeling. (3)
 ECIV 560 -- Open Channel Hydraulics. (3)
 ECIV 562 -- Engineering Hydrology. (3)
 ECIV 563 -- Subsurface Hydrology. (3)
 ECIV 570 -- Land Development for Engineers. (3)
 EMCH 290 -- Thermodynamic Fundamentals. (3)
 EMCH 529 -- Sustainable Design and Development. (3)
 EMCH 553 -- Fuel Cycles. (3)
 EMCH 561IN -- Current Topics in Mechanical Engineering—Nuclear Energy and the Hydrogen Economy. (1-3)
 EMCH 592 -- Introduction to Combustion. (3)
 EMCH 594 -- Solar Heating. (3)
 EMCH 597 -- Thermal Environmental Engineering. (3)
 ENGR 290 -- Thermodynamic Fundamentals. (3)
 ENGR 540 -- Environmentally Conscious Manufacturing. (3)
 MATH 523 -- Mathematical Modeling of Population Biology. (3)
 STAT 516 -- Statistical Methods II. (3)
 STAT 517 -- Computing in Statistics. (3)

	<p>STAT 518 -- Nonparametric Statistical Methods. (3) STAT 520 -- Forecasting and Time Series. (=MGSC 520) (3) STAT 528 -- Environmental Statistics (3)</p> <p>From the Health Sciences: ENHS 221 – Environmental Pollution and Health (=ENVR 221) (3) ENHS 333 -- Sanitation and Environmental Health. (3) ENHS 660 -- Concepts of Environmental Health Science. (3) ENHS 665 – Biofilms in the Environment and Disease. (3) ENHS 670 -- Environmental Pollutants and Human Health. (3)</p> <p>Research Methods courses: <i>(Not required, but if selected; only one of these three may be taken for credit towards the major)</i> CSCE 145--Algorithmic Design I. (4) EMCH 111 -- Introduction to Econometrics. (3) ECIV 111 -- Introduction to Engineering Graphics and Visualization. (3)</p> <p>3. Electives (13-24 hours)</p>
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D. Program of Film Studies

Change in title and description

- From: FILM 240 Introduction to Film Studies. (3) Basic concepts of how films convey meaning to viewers and viewers ascribe meaning to films.
- To: FILM 240 Introduction to Film and Media Studies (3) Introduction to the critical study of film and media. Students will closely analyze moving images and develop written arguments about film and media.

Change in title, prerequisite and description

- From: FILM 473 Film Media Theory. [=ENGL 473, PHIL 473] (3) (Prereq: FILM 240 or ENGL 280 or PHIL at the 200 level or above or consent of instructor) Classical and contemporary film theory; early debates over film aesthetics and more recent studies of how cinema shapes perceptions of reality, ideology, gender and race.
- To: FILM 473 Film and Media Theory and Criticism. [=ENGL 473, PHIL 473] (3) (Prereq: FILM 240 or consent of instructor) Theory and criticism of film and media from the 1910s to the present. Considers a range of critical approaches to analyzing what different forms of audio-visual media do to and for the audiences they address and the worlds they depict.

E. Department of History

New courses

- HIST 390 Engineering in History. (3) History of engineering practices, professions, and sciences, as well as development of engineered artifacts from the Middle Ages to the Present.

- HIST 391 Information Technology: Past and Present. (3) The history of the computer; how it acquired various forms through the 20th century; how information, as defined by computers, had shaped the world over the past century.
- HIST 392 Making Modern Science: The Physical Sciences. (3) The history of physics, chemistry, geology, and related sciences since the Scientific Revolution.
- HIST 393 Making Modern Science: The Life Sciences. (3) The study of the life from antiquity to the present. Investigates the origins of modern biology and medicine and how life has shaped scientific, political, and economic thought.
- HIST 453 Technology and American Society. (3) The historical development of technologies and technological systems in the American context.

F. Department of Languages, Literatures, and Cultures

New course

- SPAN 301 Service Learning in Spanish. (1-3) (Prereq: SPAN 210) Contract approved by instructor, director, and department chair required. May be repeated. Maximum of 3 hours may apply towards major or minor.

Special permission required by Department.

- SPAN 410 Advanced Oral Communication for the Professions. (3) (Prereq: SPAN 309-310) Designed to develop linguistic functions such as supporting opinions and hypothesizing, as well as communicative strategies and vocabulary that are essential to effective communication in Spanish in the workplace.

Restricted to: Students who have successfully completed 309-310 and/or have permission of instructor to enroll.

G. Department of Mathematics

Change in description

- From: MATH 172 Mathematical Modeling for the Life Sciences. (3) Modeling with difference and differential equations, equilibria, and stability; periodic functions; vectors, matrices, eigenvalues and eigenvectors; geometric series.
- To: MATH 172 Mathematical Modeling for the Life Sciences. (3) Biological modeling with differential and difference equations; techniques of model modifications; analytic, numerical, and graphical solution methods; equilibria, stability, and long-term system behavior;

geometric series; vectors, matrices, eigenvalues, and eigenvectors. Applications principally to population dynamics and compartment models.

- From: MATH 241 Vector Calculus. (3) (Prereq: qualification through placement or a grade of C or better in MATH 142) Vector algebra, geometry of three-dimensional space; lines, planes, and curves in space; polar, cylindrical, and spherical coordinate systems; partial differentiation, max-min theory; multiple and iterated integration, line integrals, and Green's theorem in the plane. Credit may not be received for both MATH 241 and MATH 250.
- To: MATH 241 Vector Calculus. (3) (Prereq: qualification through placement or a grade of C or better in MATH 142) Vector algebra, geometry of three-dimensional space; lines, planes, and curves in space; polar, cylindrical, and spherical coordinate systems; partial differentiation, max-min theory; multiple and iterated integration, line integrals, and Green's theorem in the plane.

Deletion

MATH 250 Vector Analysis I. (3)

Change in prerequisites

- From: MATH 511 Probability. (3) (Prereq: a grade of C or higher in either MATH 250 or 241)
- To: MATH 511 Probability. (3) (Prereq: a grade of C or higher in MATH 241)
- From: MATH 514 Financial Mathematics I. (3) (Prereq: a grade of C or higher in either MATH 250 or 241)
- To: MATH 514 Financial Mathematics I. (3) (Prereq: a grade of C or higher in MATH 241)
- From: MATH 521 Boundary Value Problems and Partial Differential Equations (3) (Prereq: MATH 520 or MATH 250 and 242 or MATH 241 and 242)
- To: MATH 521 Boundary Value Problems and Partial Differential Equations (3) (Prereq: MATH 520 or MATH 241 and 242)
- From: MATH 526 Numerical Linear Algebra. (3) (Prereq or coreq: MATH 250 [preferred] or 241)
- To: MATH 526 Numerical Linear Algebra. (3) (Prereq or coreq: MATH 241)
- From: MATH 531 Foundations of Geometry. (3) (Prereq: MATH 250 or 241)
- To: MATH 531 Foundations of Geometry. (3) (Prereq: MATH 241)
- From: MATH 532 Modern Geometry. (3) (Prereq: MATH 250 or 241)
- To: MATH 532 Modern Geometry. (3) (Prereq: MATH 241)

From: MATH 533 Elementary Geometric Topology. (3) (Prereq: MATH 250 or 241)
 To: MATH 533 Elementary Geometric Topology. (3) (Prereq: MATH 241)

From: MATH 534 Elements of General Topology. (3) (Prereq: MATH 250 or 241)
 To: MATH 534 Elements of General Topology. (3) (Prereq: MATH 241)

From: MATH 540 Modern Applied Algebra. (3) (Prereq: MATH 250 or 241)
 To: MATH 540 Modern Applied Algebra. (3) (Prereq: MATH 241)

From: MATH 544 Linear Algebra. (3) (Prereq: MATH 250 [preferred] or 241)
 To: MATH 544 Linear Algebra. (3) (Prereq: MATH 241)

From: MATH 546 Algebraic Structures I. (3) (Prereq: MATH 250 [preferred] or 241)
 To: MATH 546 Algebraic Structures I. (3) (Prereq: MATH 241)

From: MATH 551 Introduction to Differential Geometry. (3) (Prereq: MATH 250 or 241)
 To: MATH 551 Introduction to Differential Geometry. (3) (Prereq: MATH 241)

From: MATH 552 Applied Complex Variable. (3) (Prereq: MATH 250 or 241)
 To: MATH 552 Applied Complex Variable. (3) (Prereq: MATH 241)

From: MATH 554 Analysis I. (3) (Prereq: MATH 250 [preferred] or 241)
 To: MATH 554 Analysis I. (3) (Prereq: MATH 241)

From: MATH 561 Introduction to Mathematical Logic. (3) (Prereq: MATH 250 or 241)
 To: MATH 561 Introduction to Mathematical Logic. (3) (Prereq: MATH 241)

From: MATH 580 Elementary Number Theory. (3) (Prereq: MATH 250 or 241)
 To: MATH 580 Elementary Number Theory. (3) (Prereq: MATH 241)

Change in title and prerequisite

From: MATH 550 Vector Analysis II. (3) (Prereq: a grade of C or higher in either MATH 250 [preferred] or 241)
 To: MATH 550 Vector Analysis. (3) (Prereq: a grade of C or higher in MATH 241)

Change in curriculum, Website 2007-2008 Undergraduate Bulletin - BS in Mathematics

<u>Current</u>	<u>Proposed</u>
Degree Requirements (128 hours)	Degree Requirements (128 hours)
1. General Education Requirements (43-54)	1. General Education Requirements (43-54)

<p>The following courses fulfill some of the general education requirements, as well as some of the requirements of certain cognates and minors. These courses must be completed for the B.S. degree in mathematics: MATH 141, 142, and either 241 or 250 (preferred), each with a grade of C or better; CSCE 145. In addition, one of the following sequences must also be completed: (i) STAT 511 {= MATH 511} and STAT 512; (ii) either STAT 509 or STAT 515, and either STAT 516 or CSCE 146. Mathematics majors may use MATH 141, 142, and CSCE 145 to fulfill Group II of the general education requirements, MATH 511 {= STAT 511} (with a grade of C or better) for major credit, and STAT 509, 512, 515, and 516 for cognate or minor credit. Only one of STAT 509 and STAT 515 may be used for cognate or minor credit.</p> <p>For an outline of other general education requirements, see "College of Arts and Sciences."</p> <p>2. Major Requirements A grade of C or better is required in each major course and in each of MATH 141, 142, and either 241 or 250. Students may enroll in each major course and in each of MATH 141, 142, and 241 a maximum of two times. Either MATH 526 or MATH 544 may be used for credit but not both. The student may repeat a maximum of three mathematics courses.</p> <p>-Cognate or Minor for Nonmajors</p> <p>Students with majors in other departments may effectively supplement their major program of study by selecting a cognate or minor in mathematics.</p> <p>Cognate in Mathematics. Most courses in mathematics numbered 241 and above may be used for cognate credit.</p> <p>Minor in Mathematics. The minor consists of one of MATH 241 and 250 together with at</p>	<p>The following courses fulfill some of the general education requirements, as well as some of the requirements of certain cognates and minors. These courses must be completed for the B.S. degree in mathematics: MATH 141, 142, and 241, each with a grade of C or better; CSCE 145. In addition, one of the following sequences must also be completed: (i) STAT 511 {= MATH 511} and STAT 512; (ii) either STAT 509 or STAT 515, and either STAT 516 or CSCE 146. Mathematics majors may use MATH 141, 142, and CSCE 145 to fulfill Group II of the general education requirements, MATH 511 {= STAT 511} (with a grade of C or better) for major credit, and STAT 509, 512, 515, and 516 for cognate or minor credit. Only one of STAT 509 and STAT 515 may be used for cognate or minor credit.</p> <p>For an outline of other general education requirements, see "College of Arts and Sciences."</p> <p>2. Major Requirements</p> <p>A grade of C or better is required in each major course and in each of MATH 141, 142, and 241. Students may enroll in each <u>MATH course, including MATH 141, 142, and 241</u>, a maximum of two times. Either MATH 526 or MATH 544 may be used for credit but not both. The student may repeat a maximum of three mathematics courses.</p> <p>Cognate or Minor for Nonmajors</p> <p>Students with majors in other departments may effectively supplement their major program of study by selecting a cognate or minor in mathematics.</p> <p>Cognate in Mathematics. Most courses in mathematics numbered 241 and above may be used for cognate credit.</p> <p>Minor in Mathematics. The minor consists of MATH 241 together with at least 15 hours of</p>
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<p>least 15 hours of mathematics courses selected from MATH 242, MATH 374, or 500-level MATH courses. At least 6 of the 15 hours must be chosen from MATH 520, 526, 544, 546, 554, 574. At most, one of MATH 241 and 250 and one of MATH 526 and 544 may be used for minor credit.</p> <p>Minor in Actuarial Mathematics and Statistics. The minor consists of the prerequisite courses MATH 141, 142, 241 plus 18 hours of mathematics and statistics courses chosen as follows: MATH 511 {=STAT 511}, STAT 512, 513, and three additional courses selected from three of the following four categories:</p> <p style="padding-left: 40px;">i) MATH 514 {=STAT 522}; ii) STAT 510 or 520; iii) MATH 526 or 544; iv) MATH 570 or 574.</p> <p>At most, one of MATH 241 and 250 and one of MATH 526 and 544 may be used for minor credit.</p>	<p>mathematics courses selected from MATH 242, MATH 374, or 500-level MATH courses. At least 6 of the 15 hours must be chosen from MATH 520, 526, 544, 546, 554, 574. At most one of MATH 526 and 544 may be used for minor credit.</p> <p>Minor in Actuarial Mathematics and Statistics. The minor consists of the prerequisite courses MATH 141, 142, 241 plus 18 hours of mathematics and statistics courses chosen as follows: MATH 511 {=STAT 511}, STAT 512, 513, and three additional courses selected from three of the following four categories:</p> <p style="padding-left: 40px;">i) MATH 514 {=STAT 522}; ii) STAT 510 or 520; iii) MATH 526 or 544; iv) MATH 570 or 574.</p> <p>At most one of MATH 526 and 544 may be used for minor credit.</p>
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H. Department of Philosophy

Change in title, prerequisite and description

From:	PHIL 473	Film Media Theory. [=ENGL 473, FILM 473] (3) (Prereq: FILM 240 or ENGL 280 or PHIL at the 200 level or above or consent of instructor) Classical and contemporary film theory; early debates over film aesthetics and more recent studies of how cinema shapes perceptions of reality, ideology, gender and race.
To:	PHIL 473	Film and Media Theory and Criticism. [=ENGL 473, FILM 473] (3) (Prereq: FILM 240 or consent of instructor) Theory and criticism of film and media from the 1910s to the present. Considers a range of critical approaches to analyzing what different forms of audio-visual media do to and for the audiences they address and the worlds they depict.

I. Department of Physics and Astronomy

Change in course number, prerequisite, and description

From:	PHYS 208	Principles of Physics III. (3) (Prereq: a grade of C or better in PHYS 207 and MATH 142; coreq: MATH 241) Wave motion,
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optics, and thermodynamics. Calculus-level treatment; a continuation of PHYS 207.

To: PHYS 306 Principles of Physics III. (3) (Prereq: C or better in PHYS 207 or 212 and MATH 142; coreq: MATH 241) Wave motion, optics, and thermodynamics. Calculus-level treatment; a continuation of PHYS 207 and 212.

Change in title and prerequisite

From: PHYS 506 Thermal Physics. (3) (Prereq: PHYS 207)

To: PHYS 506 Thermal Physics and Statistical Mechanics. (3) (Prereq: PHYS 306)

Change in prerequisite

From: PHYS 503 Mechanics. (4) (Prereq: PHYS 206, MATH 242 or 520)

To: PHYS 503 Mechanics. (4) (Prereq: PHYS 206 or 211, MATH 242 or 520)

From: PHYS 504 Electromagnetic Theory. (4) (Prereq: PHYS 207 and 503)

To: PHYS 504 Electromagnetic Theory. (4) (Prereq: PHYS 503)

From: PHYS 509 Solid State Electronics. (4) (Prereq: physics through PHYS 302 or PHYS 212 with consent of instructor)

To: PHYS 509 Solid State Electronics. (4) (Prereq: PHYS 207 or 212)

From: PHYS 514 Optics, Theory, and Applications. (4) (Prereq: a grade of C or better in PHYS 207 and 208, or PHYS 212)

To: PHYS 514 Optics, Theory, and Applications. (4) (Prereq: PHYS 306)

New course

PHYS 521 Biophysics. (4) (Prereq: MATH 142, PHYS 212, CHEM 112, BIOL 102) Principles of physics applied to living systems: diffusion, friction, low Reynolds-number world, entropy, free energy, entropic/chemical forces, self-assembly, molecular machines, membranes.

PHYS 522 Biophysics Laboratory. (3) (Prereq: PHYS 521) Laboratory experiments based on topics covered in PHYS 521.

Change in curriculum, Website 2007-2008 Undergraduate Bulletin - BS in Physics

<u>Current</u>	<u>Proposed</u>
Overview	Overview
The undergraduate program in physics is designed to provide a fundamental	The undergraduate program in physics is designed to provide a fundamental

<p>understanding of both experimental and theoretical physics. All of the majors provide a strong basis for graduate study in physics. The applied major is designed for students seeking employment by industrial or governmental laboratories upon completing their B.S. By a suitable choice of electives students will also be prepared for graduate study in the other sciences, mathematics, medicine, or engineering or to enter the University's special teacher education program that leads to a master's degree and teacher certification.</p> <p>Degree Requirements</p> <p><i>Bachelor of Science with a Major in Physics</i></p> <p>1. General Education Requirements (43-54 hours)</p> <p>The following courses fulfill some of the general education requirements and some cognates and must be completed for a major in physics: PHYS 199, 206, 207, 208; MATH 141, 142, 241, and 242; and two math courses 500 level and above, selected with advisor; CHEM 111 and 112; CSCE 145. A grade of C or higher is required in all physics, mathematics, and engineering courses. For an outline of other general education requirements, see "College of Arts and Sciences."</p> <p>2. Major Requirements</p> <p>General Major (32-34 hours)</p> <p>Courses in physics, to include the following: PHYS 307, 308, 309, 501, 502, 503, 504, and 506 (24 hours) Two courses in experimental physics (e.g., 509, 510, 511, 512, 514, 531, or 532) (6-8 hours)</p> <p>Intensive Major (36-38 hours)</p> <p>Courses in physics, to include the following: PHYS 307, 308, 309, 501, 502, 503, 504, and 506 (24 hours) Four physics electives numbered 500 or above,</p>	<p>understanding of both experimental and theoretical physics. All of the majors provide a strong basis for graduate study in physics. The applied major is designed for students seeking employment by industrial or governmental laboratories upon completing their B.S. By a suitable choice of electives students will also be prepared for graduate study in the other sciences, mathematics, medicine, or engineering or to enter the University's special teacher education program that leads to a master's degree and teacher certification.</p> <p>Degree Requirements</p> <p><i>Bachelor of Science with a Major in Physics</i></p> <p>1. General Education Requirements (43-54 hours)</p> <p>The following courses fulfill some of the general education requirements and some cognates and must be completed for a major in physics: PHYS 199, <u>206 or 211</u>, <u>207 or 212</u>, <u>306</u>; MATH 141, 142, 241, and 242; and two math courses 500 level and above, selected with advisor; CHEM 111 and 112; CSCE 145. A grade of C or higher is required in all physics, mathematics, and engineering courses. For an outline of other general education requirements, see "College of Arts and Sciences."</p> <p>2. Major Requirements</p> <p>General Major (<u>30-32</u> hours)</p> <p>Courses in physics, to include the following: PHYS 307, 308, 309, 501, 502, 503, 504, and 506 (24 hours) Two courses in experimental physics (e.g., 509, 510, 511, 512, 514, 531, or 532) (6-8 hours)</p> <p>Intensive Major (<u>36-40</u> hours)</p> <p>Courses in physics, to include the following: PHYS 307, 308, 309, 501, 502, 503, 504, and 506 (24 hours) Four physics electives numbered 500 or above, to include at least two courses in experimental</p>
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<p>to include at least two courses in experimental physics (e.g., 509, 510, 511, 512, 514, 531, or 532) (12-14 hours)</p> <p>Applied Major (Engineering Physics Concentration) <i>Computer Option (50-51 hours)</i> PHYS 307, 308, 309, 311, 502, 503, 504, 506, 509, and one course chosen from PHYS 501, 511, 512, 514. CSCE 146, 212, either 211 and 313 or 245 and 311, and one course numbered 491 or higher ECON 421 (may be used for group IV)</p> <p><i>Electrical Option (54-56 hours)</i> PHYS 307, 308, 309, 311, 502, 503, 504, 506, and two courses chosen from PHYS 501, 509, 511, 512, 514 ELCT 102, 201, 221, 222, 301, 371 CSCE 211 ECON 421 (may be used for group IV)</p> <p><i>Mechanical Option (54-57 hours)</i> PHYS 307, 308, 309, 311, 502, 503, 504, and three courses chosen from PHYS 501, 506, 509, 511, 512, 514 EMCH 200, 260, 290, 327, 360, 507, 508 ECON 421 (may be used for group IV)</p>	<p>physics (e.g., 509, 510, 511, 512, 514, 531, or 532) (12-16 hours)</p> <p><u>Intensive Major (Biophysics Concentration)</u> <u><i>Research Option (44 hours)</i> PHYS 307,308, 502,503,504,506,521,522 (26 hours)</u></p> <p><u>BIOL 101,102,302,302L,541 (15 hours)</u></p> <p><u>CHEM 333 (3 hours)</u></p> <p><u><i>Pre-medical Option (44-45 hours)</i> PHYS 307,308, 502,506,521,522 and one course from the following 501, 503,504,509,510,511, 512 or 514 (21-22 hours)</u></p> <p><u>BIOL 101,102,302,302L,541 (15 hours)</u></p> <p><u>CHEM 333,334,331L,332L (8 hours)</u></p> <p>Applied Major (Engineering Physics Concentration) <i>Computer Option (50-51 hours)</i> PHYS 307, 308, 309, 311, 502, 503, 504, 506, 509, and one course chosen from PHYS 501, 511, 512, 514. CSCE 146, 212, either 211 and 313 or 245 and 311, and one course numbered 491 or higher ECON 421 (may be used for group IV)</p> <p><i>Electrical Option (54-56 hours)</i> PHYS 307, 308, 309, 311, 502, 503, 504, 506, and two courses chosen from PHYS 501, 509, 511, 512, 514 ELCT 102, 201, 221, 222, 301, 371 CSCE 211 ECON 421 (may be used for group IV)</p> <p><i>Mechanical Option (54-57 hours)</i> PHYS 307, 308, 309, 311, 502, 503, 504, and three courses chosen from PHYS 501, 506, 509, 511, 512, 514 EMCH 200, 260, 290, 327, 360, 507, 508 ECON 421 (may be used for group IV)</p>
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J. Department of Statistics

Change in title

From: STAT 530 Exploring Multivariate Data (3)

To: STAT 530 Applied Multivariate Statistics. (3)

K. Program of Women's Studies

**Change in curriculum, Website 2007-2008 Undergraduate Bulletin –
Program Name**

<u>Current</u>	<u>Proposed</u>
<p>Women’s Studies</p> <p>Drucilla K. Barker, Director</p> <hr/>	<p>Women’s and Gender Studies</p> <p>Drucilla K. Barker, Director</p> <hr/>
<p>Overview</p> <p>The Women’s Studies Program at the University of South Carolina promotes understanding of the diverse array of women’s experiences through a complete program of teaching, research, and service the University, the local community, the state, and the nation.</p>	<p>Overview</p> <p>The Women’s <u>and Gender Studies</u> Program at the University of South Carolina promotes understanding of the diverse array of women’s <u>and men’s</u> experiences through a complete program of teaching, research, and service the University, the local community, the state, and the nation.</p>

2. COLLEGE OF EDUCATION

A. Department of Educational Studies

Change in description

From: EDCE 510 Introduction to Counseling. (3) (Prereq: senior or graduate standing)

To: EDCE 510 Introduction to Counseling. (3) (Prereq: senior or graduate standing) Orientation to the profession of counseling including its historical, social, and cultural foundations.

B. Department of Instruction and Teacher Education

Change in course number

From: EDEC 610 Parent/Family Dynamics in Early Childhood Education. (3)

To: EDEC 510 Parent/Family Dynamics in Early Childhood Education. (3)

Change in prerequisite and description

From: EDRD 445 Language and Literacy in Early Childhood Education II. (4)

- (Prereq: admission to internship in early childhood education and EDRD 345; Coreq: EDRD 446) Examination of key concepts in early literacy and implications for early childhood educators, pre-kindergarten through 3rd grade.
- To: EDRD 445 Language and Literacy in Early Childhood Education II. (4)
(Prereq: admission to internship in early childhood education and EDRD 345; Coreq: EDEC 443) Examination of key concepts in early literacy and implications in early childhood, pre-kindergarten through 3rd grade.

C. Department of Physical Education

Deletions

- PEDU 123 Wrestling. (1)
 PEDU 147 Synchronized Swimming. (1)
 PEDU 150 Advanced Springboard Diving. (1)
 PEDU 162 Beginning Modern Dance. (1)
 PEDU 163 Intermediate Modern Dance. (1)
 PEDU 164 Beginning Ballet. (1)
 PEDU 165 Intermediate Ballet. (1)

Change in titles

- From: PEDU 266 Care and Prevention of Athletic Injuries. (3)
 To: PEDU 266 Care and Prevention of Injuries. (3)

Change in descriptions

- From: PEDU 263 Introduction to Athletic Training. (3) Introduction to the historical evolution of athletic training with an emphasis on program development including; basic athletic training principles/skills associate with common sports injuries/illnesses.
 To: PEDU 263 Introduction to Athletic Training. (3) Introduction to the historical evolution of athletic training with an emphasis on program development including basic athletic training principles/skills associate with common injuries/illnesses.
- From: PEDU 266L Athletic Training Lab. (1) Techniques and skills used in the prevention or protection of athletic injury.
 To: PEDU 266L Athletic Training Lab. (1) Techniques and skills used in the prevention or protection of injury.
- From: PEDU 300 First Aid and CPR. (3) Knowledge and skills necessary to meet the guidelines for the American Red Cross Professional Rescuer certification. Skills include AED, adult, child, and infant CPR, breathing emergencies, and first aid.

- To: PEDU 300 First Aid and CPR. (3) Knowledge and skills necessary to meet the guidelines for professional certification. Skills include AED, adult, child, and infant CPR, breathing emergencies, and first aid.
- From: PEDU 366L Therapeutic Modalities Lab. (1) (Coreq: PEDU 366) Supervised observation and practicum with a focus on the application of modalities in laboratory situations.
- To: PEDU 366L Therapeutic Modalities Lab. (1) (Coreq: PEDU 366) Integrates cognitive learning in conjunction with psychomotor skill development and assessment on the application of modalities in laboratory situations.
- From: PEDU 466L Therapeutic Exercise Lab. (1) (Coreq: PEDU 466) Techniques and skills of therapeutic exercise used in the development of rehabilitation programs for various athletic injuries.
- To: PEDU 466L Therapeutic Exercise Lab. (1) (Coreq: PEDU 466) Techniques and skills of therapeutic exercise used in the development of rehabilitation programs for various injuries.

Change in prerequisite and description

- From: PEDU 366 Therapeutic Modalities. (3) (Prereq: PEDU 266 and 266L; Coreq: PEDU 366L) Knowledge and techniques needed to plan, operate, document, and evaluate therapeutic modalities used in treatment of athletic injuries/illnesses.
- To: PEDU 366 Therapeutic Modalities. (3) (Prereq: PEDU 293, 349, 349L; Coreq: PEDU 366L) Knowledge and techniques needed to plan, operate, document, and evaluate therapeutic modalities used in treatment of injuries/illnesses.
- From: PEDU 464 Conditioning Methods in Athletic Performance. (3) (Prereq: PEDU 275) Supervised observation and practicum on the use of conditioning and training techniques for the prevention and care of athletic injuries.
- To: PEDU 464 Conditioning Methods in Athletic Performance. (3) Conditioning and training techniques for the prevention and care of injuries.
- From: PEDU 466 Therapeutic Exercise. (3) (Prereq: EXSC 223, 224, PEDU 275, 348, 349) Knowledge and techniques needed to plan, operate, document, and evaluate therapeutic exercise programs for the rehabilitation and reconditioning of injured athletes.
- To: PEDU 466 Therapeutic Exercise. (3) (Prereq: EXSC 223, 224, PEDU 365, 366, 366L, 392; Coreq: PEDU 466L) Knowledge and techniques needed to plan, operate, document, and evaluate therapeutic

exercise programs for the rehabilitation and reconditioning of injured patients.

- From: PEDU 494 Athletic Training Senior Seminar. (2) (Prereq: PEDU 348, 349) Supervised practicum with a content focus on BOC exam preparation, advanced skills, and professional research.
- To: PEDU 494 Athletic Training Senior Seminar. (2) (Prereq: PEDU 492, 496) Integrates cognitive learning in conjunction with psychomotor skill development and assessment. Preparation for the BOC exam and professional research.
- From: PEDU 496 Organization and Administration of Athletic Training. (3) Management and operation of an athletic training program at high school and college levels.
- To: PEDU 496 Organization and Administration of Athletic Training. (3) (Prereq: PEDU 393, 466, 466L, 497) Management and operation of athletic training programs.

Change in title, prerequisite and description

- From: PEDU 348 Evaluation of Athletic Injuries I. (3) (Prereq: EXSC 223, PEDU 275) Provides knowledge and skills for orthopaedic/physical assessment of common athletic injuries to the lower body.
- To: PEDU 348 Evaluation of Injuries I. (3) (Coreq: PEDU 348L) Provides knowledge and skills for orthopaedic/physical assessment of common injuries to the spine and lower body.
Restricted to: Acceptance into ATEP.
- From: PEDU 349 Evaluation of Athletic Injuries II. (3) (Prereq: EXSC 223, 224, PEDU 275, 348) Provides knowledge and skills for orthopaedic/physical assessment of common athletic injuries to the upper body.
- To: PEDU 349 Evaluation of Injuries II. (3) (Prereq: PEDU 292, 348, 348L; Coreq: PEDU 349L) Provides knowledge and skills for orthopaedic/physical assessment of common injuries to the head, face, thorax, and upper body.
- From: PEDU 365 Pharmacology and Drug Education in Athletics. (2) Knowledge, skills, and values associated with athletic trainer's pharmacological applications in the treatment of athletic injuries/illnesses, including use of alcohol and illicit drugs.
- To: PEDU 365 Pharmacology and Drug Education for Athletic Trainers. (2) (Prereq: PEDU 293, 348, 348L) Knowledge, skills, and values associated with athletic trainer's pharmacological applications in the treatment of injuries/illnesses, including use of alcohol and illicit drugs.

- From: PEDU 392 Athletic Training Clinical I. (2) (Prereq: student admitted to ATEP, PEDU 263, 266, 266L) Psychomotor skill development and assessment for junior-level athletic training students. Including but not limited to initial injury care, CPR, spine boarding, splinting, taping, wrapping, padding, wound care, and equipment fitting. Must complete a minimum of 150 clinical hours.
- To: PEDU 392 Athletic Training Clinical Experience III. (2) (Prereq: PEDU 293, 349, 349L) Supervised clinical experience for athletic training students. Integrates cognitive learning in conjunction with psychomotor skill development and assessment.
- From: PEDU 393 Athletic Training Clinical II. (2) (Prereq: PEDU 392) Psychomotor skill development and assessment for junior-level athletic training students. Including but not limited to therapeutic modality and nutritional proficiencies. Must complete a minimum of 150 clinical hours.
- To: PEDU 393 Athletic Training Clinical Experience IV. (2) (Prereq: PEDU 365, 366, 366L, 392) Supervised clinical experience for athletic training students. Integrates cognitive learning in conjunction with psychomotor skill development and assessment.
- From: PEDU 492 Athletic Training Clinical III. (2) (Prereq: PEDU 393) Psychomotor skill development and assessment for senior-level athletic training students. Including but not limited to evaluation of head, thorax, abdomen, upper and lower extremities. Must complete a minimum of 200 clinical hours.
- To: PEDU 492 Athletic Training Clinical Experience V. (2) (Prereq: PEDU 393, 466, 466L, 497) Supervised clinical experience for athletic training students. Integrates cognitive learning in conjunction with psychomotor skill development and assessment.
- From: PEDU 493 Athletic Training Clinical IV. (2) (Prereq: PEDU 492) (2) Psychomotor skill development and assessment for junior-level athletic training students. Including but not limited to therapeutic exercise and health care administration proficiencies. Must complete a minimum of 200 clinical hours.
- To: PEDU 493 Athletic Training Clinical Experience VI. (2) (Prereq: PEDU 492, 496) Supervised clinical experience for athletic training students. Integrates cognitive learning in conjunction with psychomotor skill development and assessment.
- From: PEDU 497 General Medical Concerns in Athletic Training. (3) (Prereq: PEDU 266) Knowledge and skills to recognize, treat, and refer general medical conditions and disabilities of athletes and others involved in physical activity.

To: PEDU 497 General Medical Concerns for Athletic Trainers. (3) (Prereq: PEDU 365, 366, 366L, 392) Knowledge and skills to recognize, treat, and refer general medical conditions and disabilities.

New course

PEDU 292 Athletic Training Clinical Experience I. (1) (Prereq: Accepted into ATEP) Supervised clinical experience in an athletic training setting. Integrates cognitive learning in conjunction with psychomotor skill development and assessment.
Restricted to: Athletic Training Majors.
Special permission required by Department.

PEDU 293 Athletic Training Clinical Experience II. (1) (Prereq: PEDU 348, 348L, 292) Supervised clinical experience in an athletic training setting. Integrates cognitive learning in conjunction with psychomotor skill development and assessment
Restricted to: Athletic Training Majors.
Special permission required by Department.

PEDU 348L Evaluation of Injuries I Lab. (1) (Coreq: PEDU 348) Provides knowledge and skills for orthopedic/physical assessment of common injuries to the spine and lower body.
Restricted to: Athletic Training Majors.

PEDU 349L Evaluation of Injuries II Lab. (1) (Coreq: PEDU 349) Provides knowledge and skills for orthopedic/physical assessment of common injuries to the head, face, thorax, and upper extremities.
Restricted to: Athletic Training Majors.

Change in curriculum, Website 2007-2008 Undergraduate Bulletin in Athletic Training

<u>Current</u>	<u>Proposed</u>
<p>Athletic Training:</p> <p>The athletic training education track is a CAATE-accredited program that combines formal classroom instruction and clinical experiences in preparation for the BOC Examination. The requirements for acceptance into the professional program in athletic training include a complete application, 100 hours of clinical experience from a USC-affiliated site, completed program technical standards,</p>	<p>Athletic Training:</p> <p>The athletic training education track is a CAATE-accredited program that combines formal classroom instruction and clinical experiences in preparation for the BOC Examination. The requirements for acceptance into the professional program in athletic training include a complete application, 400 70 hours of clinical experience from a USC-affiliated site, completed program technical standards,</p>

completion of prerequisite courses PEDU 263, PEDU 266, PEDU 266L, PEDU 275, and PEDU 300, and a 2.75 cumulative GPA. For a complete listing and description of all program requirements, please refer to the USC Athletic Training <i>Student Handbook</i> and/or athletic training Web site, www.ed.sc.edu/physed/atmp1.htm .	completion of prerequisite courses PEDU 263, PEDU 266, PEDU 266L, PEDU 275, and PEDU 300, and a 2.75 cumulative GPA. For a complete listing and description of all program requirements, please refer to the USC Athletic Training <i>Student Handbook</i> and/or athletic training Web site, www.ed.sc.edu/physed/atmp1.htm .
3. Core Requirements for Athletic Training Program PEDU 105, 190, 232, 420, 520, 570; EXSC 530; HPEB 502 or HRTM 340 or EXSC 507 or NURS 220; CLAS 230 (25 hours)	3. Core Requirements for Athletic Training Program PEDU 105 , 190, 232, 420, 520, 570; EXSC 530; HPEB 502 or HRTM 340 or EXSC 507 or NURS 220; CLAS 230 (24 hours)
Athletic Training Courses PEDU 263, 266, 266L, 275, 366, 366L, 348, 349, 365, 392, 393, 464, 466, 466L, 492, 493, 494, 496, 497 (45 hours) Professional Elective (3 hours)	Athletic Training Courses PEDU 263, 266, 266L, 275, 292 , 293 , 348, 348L , 349, 349L , 365, 366, 366L, 392, 393, 464, 466, 466L, 492, 493, 494, 496, 497, Professional Elective (49 hours)

3. COLLEGE OF ENGINEERING AND COMPUTING

A. Department of Civil Engineering

Change in curriculum, Website 2007-2008 Undergraduate Bulletin –

<u>Current</u>	<u>Proposed</u>
Degree Requirements	Degree Requirements
Civil Engineering Curriculum	Civil Engineering Curriculum
(129 hours)	(129 hours)
ENGL 101, 102 (6 hours) Liberal Arts (12 hours) MATH 141, 142, 241, 242 (14 hours) STAT 509 (3 hours) CHEM 111, 112 (8 hours) PHYS 211, 211L, 212, 212L (8 hours)	ENGL 101, 102 (6 hours) Liberal Arts (12 hours) MATH 141, 142, 241, 242 (14 hours) STAT 509 (3 hours) CHEM 111, 112 (8 hours) PHYS 211, 211L, 212, 212L (8 hours)

<p>ECIV 111, 200, 201, 210, 220, 303, 320, 330, 340, 350, 360, 362, 405, 470 (43 hours) ECIV laboratory (2 hours) ECIV distribution and electives (24 hours) Engineering, science, or mathematics electives (9 hours)</p> <p>Notes: The liberal arts courses must include at least one history course, one fine arts course, and one professional development course. The department maintains a list of acceptable history, fine arts, and professional development courses.</p> <p>ECIV laboratory includes two courses selected from ECIV 303L, 330L, 350L, 362L.</p> <p>ECIV distribution includes one course from four of the following five areas: environmental, geotechnical, structures, transportation, and water resources. The department maintains lists of courses for each area.</p> <p>ECIV electives are chosen from additional courses offered in the department. The department maintains lists of courses for each area.</p> <p>The department maintains a list of acceptable engineering, science, or mathematics electives.</p>	<p>ECIV 111, 200, 201, 210, 220, 303, 320, 330, 340, 350, 360, 362, 405, 470 (43 hours) ECIV laboratory (2 hours) ECIV distribution and electives (24 hours) Engineering, science, or mathematics electives (9 hours)</p> <p>Notes: The liberal arts courses must include at least one history course, one fine arts course, one social science course, and one professional development course. The department maintains a list of acceptable history, fine arts, social science, and professional development courses.</p> <p>ECIV laboratory includes two courses selected from ECIV 303L, 330L, 350L, 362L.</p> <p>ECIV distribution includes one course from four of the following five areas: environmental, geotechnical, structures, transportation, and water resources. The department maintains lists of courses for each area.</p> <p>ECIV electives are chosen from additional courses offered in the department. The department maintains lists of courses for each area.</p> <p>The department maintains a list of acceptable engineering, science, or mathematics electives.</p>
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B. Department of Electrical Engineering

New course

ELCT 220 Electrical Engineering for Non-Majors. (3) (Prereq: MATH 142)
 Fundamentals of electrical engineering for mechanical, chemical or other engineering disciplines, including electric circuits, measurements, data acquisition, sensors, motors, and controllers.

4. COLLEGE OF HOSPITALITY, RETAIL, AND SPORT MANAGEMENT

Department of Hotel, Restaurant, and Tourism Management

Addition of Internet Delivery to existing courses

HRTM 280 Tourism. (3)

HRTM 410 HRTM Current Issues (3)
HRTM 565 International Lodging. (3)

5. COLLEGE OF MASS COMMUNICATIONS AND INFORMATION STUDIES

School of Journalism and Mass Communications

Change in prerequisite

From: JOUR 337 Photovisual Communications. (3)
To: JOUR 337 Photovisual Communications. (3) (Prereq: JOUR 364)

New course

JOUR 306 Theories of Mass Communications. (3) (Prereq: JOUR 201)
Survey of predominate theories in mass communications including mass media uses, functions, and effects.

JOUR 506 Mass Media Criticism. (3) (Prereq: JOUR 201) Development of critical thinking skills for analyzing mass media.

6. COLLEGE OF NURSING

Addition of Telecommunication Delivery to existing course

NURS 210 Facilitative Communications. (3)
NURS 212 Evolution of Nursing Science (3)
NURS 216 Biophysical Pathology. (3)
NURS 220 Clinical Nutrition. (3)
NURS 226 Socio-Cultural Variations in Health and Illness. (3)
NURS 231 Foundations of Community Health Nursing. (3)
NURS 311 Introduction to Health Assessment. (2)
NURS 312 Foundations of Nursing Practice. (4)
NURS 314 Clinical Reasoning in Nursing Practice. (2)
NURS 324 Chemical Therapeutics. (3)
NURS 400 Evidence Based Nursing Practice. (3)
NURS 411 Psychiatric/Mental Health Nursing. (5)
NURS 412 Acute Care Nursing of Adults I. (5)
NURS 422 Acute Care Nursing of Adults II. (5)
NURS 423 Nursing Leadership and Management. (3)
NURS 424 Maternal/Newborn Nursing. (3)
NURS 425 Nursing of Children and Families. (3)
NURS 430 Policies and Politics. (3)
NURS 431 Community Health Nursing. (4)
NURS 432 Adult Health Nursing Preceptorship. (4)
NURS 433 Nursing Leadership and Management Preceptorship. (4)

New course

NURS 313 Nursing Care of the Older Adult. (2) (Coreq: NURS 311, 312)

Nursing care focusing on health promotion, restoration and support of older adults.

Restricted to: upper division nursing students.

Telecommunication delivery.

Deletions

- NURS 317 Psychosocial Pathology. (3)
- NURS 319 Health Across Life Span. (3)
- NURS 420 Emerging Issues in Nursing Practice. (2)

7. REGIONAL CAMPUSES

Palmetto Programs

Addition of Internet Delivery to existing course

- POLI P363 Southern Politics. (3)

Addition of Telecommunication Delivery to existing course

- ENGL P381 The Renaissance. (3)
- ENGL P437 Women Writers. (3)
- HIST P402 The New Nation, 1789-1828 (3)
- HIST P409 The History of South Carolina, 1670-1865 (3)
- PHIL P102 Introduction to Philosophy (3)
- PSYC P400 Survey of Learning and Memory. (3)
- PSYC P450 Sensation and Perception. (3)
- PSYC P589 Psychology of Men. (3)
- RELG P330 Faith, Doubt and God. (3)
- SOCY P305 Sociology of the Family. (3)
- SOCY P354 Collective Behavior. (3)
- PALM P493 South Carolina Studies. (3)
- PALM P494 Internship. (3)
- UNIV P401 Senior Capstone Experience. (3)