REPORT: COMMITTEE ON CURRICULA AND COURSES

(For consideration by the Faculty Senate at its March 5, 2003 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 Gary Blanpied (Physics & Astronomy) in advance if errors are noted, either by phone: 777-2599 or e-mail: blanpied@mail.psc.sc.edu

I. COLLEGE OF EDUCATION

A. Department of Instruction and Teacher Education

Deletion
EDEL 460  Teaching Physical Education in the Elementary School. (3)

B. Department of Physical Education

Change in curriculum – addition of B.S. degree in Physical Education

<table>
<thead>
<tr>
<th>PRESENT</th>
<th>PROPOSED</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical Education</strong></td>
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</tr>
<tr>
<td>The Department of Physical Education offers programs leading to the B.S. degree in physical education. A minor in school athletic coaching is also offered. Courses are offered in two major tracks:</td>
<td>The Department of Physical Education offers programs leading to the B.S. degree in physical education and athletic training. A minor in school athletic coaching is also offered. Courses are offered in two major tracks.</td>
</tr>
<tr>
<td>1. teacher certification in physical education, and</td>
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</tr>
<tr>
<td>2. athletic training.</td>
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</tr>
</tbody>
</table>

The teacher certification track prepares people to teach physical education in public and private schools from K-12. The athletic training track prepares the student to qualify as a certified athletic trainer through the National Athletic Trainers Association approved curriculum program. Students who desire admittance to the athletic training track must satisfy the professional requirements as established by the NATA. Enrollment in any athletic training course is limited to

Admission to Professional Programs
Students applying to the teacher certification and athletic training tracks must be admitted to the university. Students must be formally admitted to the professional programs in teacher certification and athletic training programs. Specific requirements for each track are listed below.

Teacher Certification:
<table>
<thead>
<tr>
<th>Policies regarding transfer admission into physical education include:</th>
<th>The teacher certification track is an NCATE approved program that prepares people to teach physical education and coach in public and private schools from K-12. The requirements for acceptance into the professional program in teacher certification include a 2.5 GPA, a passing score on the Praxis I exam, two positive letters of recommendation, a minimum of 60 credit hours, and a C or better in EDUC 300, EDUC 401, PEDU 570, ENGL 101, and ENGL 102. For a complete listing and description of all program requirements please refer to the USC Department of Physical Education Student Handbook.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Students from regionally accredited colleges and universities who have earned up to 40 semester hours of credit must have a minimum grade point average of 2.25 (on a 4.00 scale) to enter preprofessional programs in physical education; students who have earned more than 40 semester hours of credit must have a minimum grade point average of 2.50 to enter.</td>
<td>Athletic Training: The Athletic training education track is a CAAHEP-accredited program that combines formal classroom instruction and clinical experiences in preparation for the NATABOC Examination. Athletic training program requirements include a 2.5 GPA, 100 hours of clinical experience, completion of PEDU 266L clinical competencies, and program technical standards. For a complete listing and description of all program requirements please refer to the USC Athletic Training Student Handbook and/or athletic training website.</td>
</tr>
<tr>
<td>Transfer admission into the Department of Physical Education</td>
<td>1. Students from regionally accredited colleges and universities who have earned up to 40 semester hours of credit must have a minimum grade point average of 2.25 (on a 4.00 scale) to enter preprofessional programs in physical education; students who have earned more than 40 semester hours of credit must have a minimum grade point average of 2.50 to enter.</td>
</tr>
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</table>
point average of 2.50 to enter preprofessional programs in physical education. (Note: A minimum GPA of 2.50 is required to enter the preprofessional program in education [approximately junior-year status].)

2. A grade of C or better must be earned on all courses listed for admission to the professional program in physical education.

3. Students may not transfer credit for any course which carries a grade less than C.

### Progression Requirements

A student in physical education must earn a C or better in all major course work including major and minor emphases, education courses, required sciences, analytical reasoning option, and ENGL 101 and ENGL 102.

Students may attempt to earn a satisfactory grade in a major course no more than two times. Only if a valid case for taking the course a third time is established will such be allowed. Validity of a case will be determined by departmental review of a formal petition. Completion of remedial course work may be required.

Standards for general eligibility to continue in the University are described in the bulletin. The Department of Physical Education has additional standards.

1. If the semester, yearly, or cumulative grade point average of a student is below 2.50, the student will receive notification in writing from the department of the GPA.

preprofessional programs in physical education. (Note: A minimum GPA of 2.50 is required to enter the preprofessional program in education [approximately junior-year status].)

2. A grade of C or better must be earned on all courses listed for admissions to the professional program in physical education.

3. Students may not transfer credit for any course which carries a grade less than C.

### Progression Requirements

A student in physical education must earn a C or better in all major course work including major and minor emphasis, education courses, required sciences, analytical reasoning option, and ENGL 101 and ENGL 102. **Students in the athletic training track must earn a 3.0 grade point average in athletic training courses.**

Students may attempt to earn a satisfactory grade in a major course no more than two times. Only if a valid case for taking the course a third time is established will such be allowed. Validity of a case will be determined by department review of a formal petition. Completion of remedial course work may be required.

Standards for general eligibility to continue in the university are described in the bulletin. The Department of Physical Education has additional standards.

1. If the semester, yearly, or cumulative grade point average of a student is below 2.50, the student will receive notification in writing from the department of the GPA.
department of the GPA jeopardy.
2. If a student has two consecutive semesters of grade point averages below 2.50 and a cumulative grade point average below 2.50, the student will be suspended from academic programs in the Department of Physical Education.
3. To be reinstated the student must achieve an overall grade point average of 2.50 and have the endorsement of the Department of Physical Education.

**Degree Requirements**

*Requirements for Teacher Certification Track*

<table>
<thead>
<tr>
<th>Track</th>
<th>(138-142 hours)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. General Education Requirements</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Language Arts—ENGL 101 and 102 and either ENGL 287, 288, or 289, and THSP 140 (12 hours)</th>
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</thead>
<tbody>
<tr>
<td>Natural Sciences—BIOL 110 or 120, PHYS 101, CHEM 101 or PHYS 102 (11-12 hours)</td>
</tr>
<tr>
<td>Liberal Arts—PSYC 101, SOCY 101, history elective plus an additional social science elective (12 hours)</td>
</tr>
<tr>
<td>Numerical and Analytical Reasoning—six credits, to be earned in one of the following ways: MATH 122 or 141, plus an additional course from PHIL 110; 111, mathematics (at the next highest level),* CSCE 101 or 102, or STAT 201; two courses from one of the following fields—PHIL 110 and 111, or CSCE 101 plus a higher level course, or STAT 201 plus a higher level STAT course (6 hours)</td>
</tr>
</tbody>
</table>

jeopardy.
2. If a student has two consecutive semesters of grade point averages below 2.50 and a cumulative grade point average below 2.50, the student will be suspended from the academic programs in the Department of Physical Education.
3. To be reinstated the student must achieve an overall grade point average of 2.50 and have the endorsement of the Department of Physical Education.

**Degree Requirements**

*Teacher Certification (139-145 hours)*

<table>
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<tr>
<th>Athletic Training (129-135 hours)</th>
</tr>
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<tbody>
<tr>
<td>1. General Education Requirements (59-65 hours)</td>
</tr>
</tbody>
</table>

| Language Arts--ENGL 101 and ENGL 102 and either ENGL 283 or 285, and SPCH 140 (12 hours) |
| Natural Sciences--BIOL 101, 110 or 120, PHYS 101 or 201, CHEM 101 or 111, EXSC 223 or BIOL 243, and EXSC 224 or BIOL 224 (20 hours) |
| Liberal Arts--PSYC 101, SOCY 101, history elective plus an additional social science elective (12 hours) |
| Numerical and Analytical Reasoning--six credits to be earned in one of the following ways: MATH 122 or 141, plus an additional course from PHIL 110, 111, CSCE 101, 102, or STAT 201; or two courses from the following fields--PHIL 110 and 111, or CSCE 101 plus a higher level course, or STAT 201 plus a higher level STAT course (6 hours) |
Foreign Languages—students shall demonstrate in one foreign language the ability to comprehend the topic and main ideas in written and, with the exception of Latin and Ancient Greek, spoken texts on familiar subjects. The ability can be demonstrated by achieving a score of two (2) or better on a USC foreign language test. Those failing to do so must satisfactorily complete equivalent study of foreign language at USC.

HPRE 221, and EXSC 223, 223L, 224, 224L or BIOL 243, 243L, 244, 244L (11 hours)
ARTE 360 (3 hours)

*Teacher education students must take a computer science course.

2. Core Requirements

PEDU 190, 232, 300, 420, 510, 520, 650 (20 hours)

3. Required Track Courses

EDUC 300, 401; EXSC 303 or PEDU 570; PEDU 446; PEDU 451, EDSE 479; PEDU 226, 340, 341, 440, 462, 515, 545, 553, EDRD 500 (52 hours)

Psychomotor Skills (11 hours)

Requirements for Athletic Training Track

(129—135 hours)

1. General Education Requirements
(59—65 hours)

2. Core Requirements

pedu 105, 190, 232, 420, 520, 570; EXSC 530; HPEB 502 or HRTM 340 or EXSC 507 or NURS 220 (22 hours)

Athletic Training Courses

PEDU 263, 266, 266L, 366, 366L, 348,
### PEDU 105, 190, 232, 420, 520, 570; EXSC 530; HPRE 502 (22 hours)

**Athletic Training Courses**

PEDU 263, 266, 266L, 366, 366L, 348, 349, 365, 392, 393, 464, 466, 492, 493, 494, 496, 497 (36 hours)

**Professional Electives (3 hours)**

**Cognate (9 hours)**

**Minor in School Athletic Coaching**

Twenty-one hours from the following courses: PEDU 266, 320, 340, 360, 420, 464, 650; one of PEDU 300, PSYC 380, SPTE 110.

<table>
<thead>
<tr>
<th>PEDU 349, 365, 392, 393, 464, 466, 492, 493, 494, 496, 497 (36 hours)</th>
<th>Professional Electives (3 hours)</th>
</tr>
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<tbody>
<tr>
<td><strong>Cognate (9 hours)</strong></td>
<td></td>
</tr>
</tbody>
</table>

### II. COLLEGE OF ENGINEERING

#### A. Department of Computer Science and Engineering

**New course**

CSCE 517  Computer Crime and Forensics. (3) (Prereq: CSCE 311)

Methodical approaches for collecting and preserving evidence of computer crimes. Foundational concepts such as file system structures, MAC times, and network protocols, tools for extracting evidence, general legal issues.

#### B. Department of Mechanical Engineering

**New course**

EMCH 522  Design for Manufacture and Assembly. (3) (Prereq: EMCH 327 and 377) Product design principles for early consideration of issues to shorten product development time and to ensure smooth transition to manufacturing, thus, accelerating time-to-market. Also approved to be offered via telecommunications.

### III. COLLEGE OF LIBERAL ARTS
A. Department of Art

Change in Curriculum – to BFA requirements

<table>
<thead>
<tr>
<th>Old Requirements</th>
<th>New Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Fine Arts in Art Studio Design Option</td>
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</tr>
<tr>
<td>Foundation Requirements (24 hours): ARTS 102, 103, 107, 111, 112, 245, 246, and 260 or 261, or equivalent photography course.</td>
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</tr>
<tr>
<td>Major Requirements (36 hours): ARTS 265, 345, 346, 445, 446, 447, 465 or 232; 15 hours ARTS 200 –level or above ARTS courses.</td>
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</tr>
</tbody>
</table>

Change in title and description

To: ARTS 346 Series Development & Practice. (3) (Prereq: ARTS 345) Complex visual communication projects which involve problem-seeking and problem-solving and result in works with multiple elements. Discussions of current visual communication issues. Visual Communication Design concentration (Art Studio major) only.

To: ARTS 445 Time & Sequence. (3) (Prereq: ARTS 346) Advanced visual communication projects involving time and sequencing with both visual and verbal elements using a variety of elements. Visual Communication Design concentration (Art Studio major) only.

From: ARTS 446 Advanced Graphic Design II. (3) (Prereq: ARTS 445) Problems in exhibition and environmental graphics; group solutions; client presentations and portfolio preparation.
To: ARTS 446 Structures. (3) (Prereq: ARTS 445) Advanced exploration of visual structures, both 2D and 3D, in visual communication problems. Visual Communication Design concentration (Art Studio major) only.
**Change in title, prerequisite and description**

From: ARTS 245  
**Introduction to Graphic Design I. (3) (Prereq: ARTS 103 and 111)**  
Two-dimensional design fundamentals, problems in visual communication, history of design, and the role of the designer.

To: ARTS 245  
**Visual Communication Design I. (3) (Prereq: ARTS 102 and 103)**  
The basics of visual communication including formal issues, fundamental communication principles, image development and relevant digital applications. Art Studio majors only.

From: ARTS 246  
**Introduction to Graphic Design II. (3) (Prereq: ARTS 102, 107 and 245)**  
Continued development of design principles and skills and applied computer methods.

To: ARTS 246  
**Visual Communication Design II. (3) (Prereq: ARTS 107 and 245)**  
Continuation of ARTS 245 with the addition of typography and word/image relationships. Art Studio majors only.

From: ARTS 345  
**Intermediate Graphic Design I. (3) (Prereq: ARTS 245)**  
History and evolution of typography as the foundation of visual communication. Organizational systems and creative use in graphic design.

To: ARTS 345  
**Visual and Verbal Interaction. (3) (Prereq: Portfolio Review acceptance, ARTS 246, 260 or 261)**  
Intermediate level exploration of type and image in a variety of visual communication problems employing a variety of media. Visual Communication Design concentration (Art Studio Major) only.

**B. Department of Geography**

**New course**  
GEOG 549  
**Water and Watersheds. (3) (Prereq: GEOG 347, GEOL 371, or ECIV 360)**  
Spatial variation of hydrology, water quality, and water-related hazards including runoff generation, soil erosion, sedimentation, and flood hazards. Emphasizes a watershed perspective using geographic data and methods.

**C. Linguistics Program**

**New course**  
LING 505  
**Interdisciplinary topics in Linguistics. (3)**  
Topics selected by the instructor for specialized study. Course content varies and will be announced in the schedule of classes by suffix and title. May be repeated with different suffix.

**IV. COLLEGE OF MASS COMMUNICATIONS AND INFORMATION STUDIES**
A. School of Journalism and Mass Communications

Change in title and description
From: JOUR 465 Media Analysis. (3) (Prereq: JOUR 368 and junior standing, or consent of instructor) Analyses of marketing, media and media strategy problems common to the advertising industry. Lecture and lab.
To: JOUR 465 Advertising Media Planning. (3) (Prereq: JOUR 368 and junior standing, or consent of instructor) Research and development of an advertising media plan using integrated communications approach and simulation models.

Change in description
From: JOUR 565 Advanced Media Analysis. (3) (Prereq: JOUR 465 or consent of instructor) Audience measurement of new and traditional media; the impact of interactive media.
To: JOUR 565 Advanced Media Analysis. (3) (Prereq: JOUR 465 or consent of instructor) Advanced analysis of media planning concepts and approaches currently being practiced in the industry.

Change in prerequisite and removal of department special permission
From: JOUR 535 Publication Advising. (3) (Prereq: Consent of instructor)
To: JOUR 535 Publication Advising. (3)

Removal of department special permission
JOUR 202 Writing for Mass Communications. (3) (Prereq: ENGL 101 and 102 with a grade of C or higher; typing proficiency) Basic writing skills for all areas of the mass media. Lecture-laboratory.

V. COLLEGE OF SCIENCE AND MATHEMATICS

A. Department of Biological Sciences

New courses
BIOL 523L Plant Developmental Laboratory. (1) (Coreq: BIOL 523) Experiments utilizing a genetic approach to the study of plant development. Three laboratory hours per week.

BIOL 641 Biophysical Ecology. (3) (Prereq: BIOL 301; MATH 141 or MATH 122) This course examines how the mechanisms by which animals and plants interact with their physical environments influence organismal physiology.
BIOL 653  Bioinformatics. (3) (Prereq: BIOL 302, 303) Studies of the principles of genetics and molecular biology as applied to adaptive evolution of genes and genomes.

**Change in corequisite, description, and addition of special permission**

From:  
BIOL 101L Biological Principles I Laboratory. (1) (Coreq: BIOL 101) Examination of basic principles of cellular biology, genetics and metabolism utilizing recitations, demonstrations, and laboratory exercises. Three hours per week.

To:  
BIOL 101L Biological Principles I Laboratory. (1) Enrollment by special permission only. Intended for students who have taken BIOL 101 lecture or its equivalent but lack the lab. Three hours per week.

**Change in prerequisite, corequisite, description, and addition of special permission**

From:  
BIOL 102L Biological Principles II Laboratory. (1) (Prereq: BIOL 101, BIOL 101L; coreq: BIOL 102) Examination of phylogeny, structure, and function of plants and animals utilizing demonstrations and laboratory exercises. Three hours per week.

To:  
BIOL 102L Biological Principles II Laboratory. (1) Enrollment by special permission only. Intended for students who have taken BIOL 102 lecture or its equivalent but lack the lab. Three hours per week.

**Change in credit hours, corequisite, and description**

From:  
BIOL 101 Biological Principles I. (3) (Coreq: BIOL 101L) Introductory survey of cell structure and function, genetics an evolution. For Biology majors, pre-med students and others needing a prerequisite in Biological Sciences.

To:  
BIOL 101 Biological Principles I. (4) Introductory survey of macromolecules, cell structure and function, genetics and molecular biology. Three lecture and lab hours per week.

**Change in credit hours, prerequisite, corequisite, and description**

From:  
BIOL 102 Biological Principles II. (3) (Prereq: grade of C or better in BIOL 101, BIOL 101L; coreq: BIOL 102L) Introductory survey of plant and animal systems, principles of development, physiology, reproduction and ecology. Three lecture hours per week.

To:  
BIOL 102 Biological Principles II. (4) (Prereq: grade of C or better in BIOL 101) Introductory survey of plant and animal development, physiology, ecology and evolution. Three lecture hours and three lab hours per week.
B. Department of Mathematics

New course
MATH 300  Transition to Advanced Mathematics. (3) (Prereq: MATH 142) Rigor of mathematical thinking and proof writing via logic, sets, and functions. Intended to bridge the gap between lower-level (computational-based) and upper-level (proof-based) mathematics courses.

VII. EXPERIMENTAL COURSES: For the Senate’s Information only.

COLLEGE OF SCIENCE AND MATHEMATICS

Department of Geological Sciences
GEOL 558X  Tectonophysics and Elastic Waves. (3) (Prereq: MATH 242 or 520, PHYS 212) Continuum mechanics of Earth materials, tensor formulation of deformation and stress; constitutive relationships for Earth rheologies; elastic wave propagation, travel-time and amplitude determination in a spherical earth.

GEOL 559X  Signals and Linear Systems in Geophysics. (3) (Prereq: MATH 242 or MATH 520, PHYS 212) Analysis of linear systems and of continuous and discrete signals in geophysics. Theory and computer implementations of Fourier transform, linear-system response, waveform sampling, filtering, and spectral analysis.