

AGENDA
Faculty Senate Meeting
September 26, 2006—UC 218—3:45 pm

- I. Roll Call
- II. Approval of Minutes
- III. Reports from Committees
 - A. Executive Committee
 - B. Academic Affairs Committee (*See Attachment*)
 - 1. Item I from the Department of Biology concerns modifications to the course descriptions of BIOL 105, 106, and 210, as well as an addition to the catalog relative to Cooperative Programs.
 - 2. Item II from the Department of Physics and Astronomy concerns the creation of two classes: PSCI 103, Basic Concepts of Earth Science and PHYS 397, Research in Physics.
 - 3. Item III from the School of Education concerns catalog changes relative to the Middle Education program and requirements for admission to the Professional Education Program.
- IV. Old Business
- V. New Business
- VI. Announcements
- VII. Adjournment

I. Proposal from the Department of Biology:

- A. **MODIFY**, on page 71 of the current catalog, the course description of Biology 105
FROM:

105 Introduction to Life Science (4:3-3) F, S, SU. Introduction to biological chemistry, cellular biology, genetics, evolution, and ecology with laboratory and field experiences.

TO:

105 Introduction to Biological Science (4:3-3) F, S, SU. Introduction to the scientific method, biological chemistry, and the molecular and cellular basis of life. Includes cell structure, energetics and metabolism, molecular genetics, Mendelian inheritance, and cell reproduction, with selected applications at the issue and organ levels of organization. Laboratory exercises complement the lecture.

- B. **MODIFY**, on page 71 of the current catalog, the course description of Biology 106
FROM:

106 Organismal Biology (4:3-3) (Prerequisite: 103 and 104 or 105) F, S, SU. Anatomy, physiology, behavior, growth and development of plants, animals, and microorganisms, and an introduction to the diversity of life in all kingdoms of living organisms with laboratory and field experiences.

TO:

106 Organismal Biology (4:3-3) (Prerequisite: 103 and 104, or 105) F, S, SU. A survey of the domains of life in an evolutionary framework. Includes biological evolution and the mechanisms of evolutionary change, a survey of biological diversity with examples of plant and animal structure and physiology, and general ecological principles. Includes laboratory and field experiences.

- C. **MODIFY**, on page 71 of the current catalog, the course description of Biology 210
FROM:

210 Conservation Biology (4:3-3) (Prerequisite: 106 or 103 and 104 with permission of the department and Mathematics 111) AF. An introduction to biological diversity: its threats, values, and methods of conservation. The course will emphasize conservation theory and the design of biological reserves.

TO:

210 Conservation Biology (4:3-3) (Prerequisite: 106 or 103 and 104 with permission of the department and Mathematics 111) AF. Lecture emphasizes biological diversity, extinction processes, and applied conservation methods, including design principles for biological reserves. Conservation policy is discussed in the context of social, economic, and political factors. Laboratory and field experiences highlight the science of conservation and regional conservation issues.

D. ADD, on p. 172 of the current catalog under the COOPERATIVE PROGRAMS section, the following:

ARRANGEMENT IN CLINICAL LABORATORY SCIENCE WITH THE MEDICAL UNIVERSITY OF SOUTH CAROLINA

Coordinator: Dr. Peter D. King

A special arrangement allows students admitted into the Master of Science in Clinical Laboratory Science Program at the Medical University of South Carolina to complete a baccalaureate degree in biology at Francis Marion University. This program is governed by formal agreement between the two institutions and is open only to those students accepted into the MCLS program.

Students participating in the program are expected to meet the following curriculum requirements at Francis Marion University and admission requirements for MUSC:

1. A minimum of 90 hours with a grade of C or better in each course. A student must have a cumulative GPA of 3.0 and a competitive GRE score above 1000 to be admitted to the program at MUSC.
2. All General Education requirements at Francis Marion University. The following courses are suggested in order to meet both the General Education requirements at Francis Marion University and the entrance requirements at MUSC:
 - a. Communications 12 hours
 - (1) English 112 and 200
 - (2) Speech 101
 - (3) Computer Science
 - b. Social Sciences 9 hours
 - (1) Political Science 101 or 103
 - (2) Sociology or Economics
 - (3) Another course in Anthropology, Economics, Geography, Political Science, or Sociology
 - c. Humanities 12 hours
 - (1) Literature

- (2) History
 - (3) Art or Music Appreciation
 - (4) Another Course in Art, History, Literature (any Language), Music, Philosophy and Religious Studies, or Theatre
- d. Mathematics 111 and higher 6 hours
3. The following courses in biology, chemistry, and physics must be taken in order to complete the prerequisites for admission to Medical University of South Carolina and a degree at Francis Marion University: 45 hours
- a. Physics 215, 216
 - b. Chemistry 101, 102, 201
 - c. Biology 105, 106, 401
 - d. Biology 301 or 302 or 407
 - e. One course in plant biology (206, 207, 208, 303, 307, 310, or 313)
 - f. One course in ecology (308, 402, 408, or 411)
 - g. Biology 499
4. Electives to bring the total to 90 hours 6 hours

Formal application for admission to the Medical University of South Carolina School of Health Professions should be made during the Fall Semester of the third year at Francis Marion University.

After successfully completing 30 hours in the cytotechnology program at the Medical University of South Carolina, the student should submit a transcript of the work to Francis Marion University. The student will then be awarded a Bachelor of Science Degree with a major in Biology from Francis Marion University.

II. Proposal from the Department of Physics and Astronomy:

- A. **ADD**, on page 122 of the current catalog,

PSCI 103 Physical Science: Basic Concepts of Earth Science (4:3-3)
 (Prerequisites: PSCI 101 or PHYS 215 or permission of the department). S.
 Study of the earth's structure and our environment with an emphasis on the processes that shape them. The fundamental principles of geology, meteorology, and oceanography will be covered. Topics include rocks and minerals, the earth's interior, earthquakes and tsunamis, weather and climate, the hydrosphere, natural resources, energy and environmental concerns.

- B. **ADD**, on page 124 of the current catalog,

PHYS 397 Research in Physics (3), (2), or (1) (Prerequisite: permission of department) F, S, SU. In conjunction with a physics faculty advisor, each student will complete one or more research projects in physics, health physics or astronomy. The projects are developed as a result of consultation between the student and the advisor. Students will be expected to complete a written report and give an oral presentation. A maximum of 4 credit hours may be earned towards graduation.

III. Proposal from the School of Education:

A. **CHANGE**, on page 161 of the current catalog, under **Middle Level Science**
FROM:

Environmental Science 201 4

TO

Physical Science 103 4

Rationale: The Middle Level Education science specialty needs a course to cover essential earth science content from the South Carolina Science Curriculum Standards. Environmental Science 201 was a place holder in anticipation of Physical Science 103 which would meet the earth science requirements.

B. **CHANGE**, on page 158 of the current catalog, under **REQUIREMENTS FOR ADMISSION TO THE PROFESSIONAL EDUCATION PROGRAM**

FROM

8. Completion of at least 60 semester hours

TO

8. Completion of at least 45 semester hours.

C. **ADD**, on page 158 of the current catalog, under **REQUIREMENTS FOR ADMISSION TO THE PROFESSIONAL EDUCATION PROGRAM**

10. Candidate must provide a statement of disclosure concerning all prior convictions including felonies and misdemeanors.