AGENDA
FACULTY SENATE EXECUTIVE COMMITTEE
3:00 PM, MONDAY, APRIL 1, 2002
PRESIDENT’S CONFERENCE ROOM, STEWART HALL

1. Call to Order
2. Report from the President’s Office
3. For Approval - Minutes of the February 25, 2002 Meeting
4. Report from the Faculty Chair
5. Curriculum Committee Reports:
   For Approval - New Courses and Course Changes – Annex I
   For Approval - Capstone Report - Annex II
   For Information - Alteration Report - Annex III
6. Liberal Studies Report:
   For Approval - LSP Committee Course Recommendations - Annex IV
   For Approval - Establishment of a Global Issues Component to the Liberal Studies Program - Annex IV-A
7. Student Evaluation of Instruction Reports:
   For Approval - Student Evaluation of Instruction Guidelines for Administering Evaluations - Annex V
   For Acceptance - Committee Report - Annex VI
   For Acceptance - Committee Goals - Annex VII
8. Committee on Committees Report:
   For Acceptance - Committee Report - Annex VIII
   For Acceptance - Committee Goals - Annex IX
9. Report from the Advisory Council of Faculty - Tom Long
10. Report from the Committee on Free-Speech - Robert Griffith
11. For Information - Results of Faculty Senate Election - Annex X
12. For Discussion - Voting Process for Honorary Degree Recipients (Gwen Bergner) - Annex XI
13. For Discussion - New Constitution
14. New Business
15. Adjournment

Roy S. Nutter, Jr.
Faculty Senate Chair
To: Senate Executive Committee  
From: Robin Jones, Chair, Senate Curriculum Committee  
Date: March 25, 2002  
Re: New Courses and Course Changes

Agriculture, Forestry & Consumer Sciences

New Course:

F&CS 682. Disability in the Community. 2-Hr. PR: 580 and F&CS 585. This course offers service learning experience in the community for a total of 30 contact hours with persons who have a disability. Credit for this course may be applied to the Interdisciplinary Certificate Disability Studies. (Date Effective - Fall, 2002) (CIP-190706) (Lec 30-hr/Lab 0-hr/Other 0-hr/Contact 30-hr).

Rationale: This course is a requirement of the proposed Interdisciplinary Certificate in the Field of Disability Studies (Graduate Level Program).

Business & Economics

Finance

New Course:

FIN 480. International Finance. 3-Hr. PR: BCOR 340. Course extends standard corporate finance concepts to the global arena, helping to understand the additional opportunities and challenges faced by a global firm. (Date Effective - Fall, 2002) (CIP-520801) (Lec 45-hr/Lab 0-hr/Other 0-hr/Contact 45-hr).

Rationale: This course has been taught as a special topic for an extended period of time in spring and fall semesters. Enrollments have ranged between 30 and 55 each semester. The course serves to introduce finance majors to international business and markets and is expected to contribute to the globalization of business education for our students. The course will be taught every year.

Engineering and Mineral Resources

Electrical Engineering

New Courses:

EE 426. Biometric Systems. 3-Hr. PR: STAT 215, MATH 261, CS 111 (EE 327 & CS 350 suggested). This course presents an introduction to the principles of operation, design, testing, and implementation of biometric systems, and the legal, social, and ethical concerns associated with their use. (Date Effective - Spring, 2002) (CIP-141001) (Lec 45-hr/Lab 0-hr/Other 0-hr/Contact 45-hr).

Rationale: Required course in B.S. Biometric Systems degree program.
EE 450. Device Design and Integration. 3-Hr. PR: EE 251 and EE 355. Fundamentals of semiconductor materials, p-n junctions, metal-semiconductor junctions, JFET’s, MESFET’s, MOSFET’s, physical device design, device simulation, gate level & CMOS design and layout. (Date Effective - Fall, 2002) (CIP-141001) (Lec 45-hr/Lab 0-hr/Other 0-hr/Contact 45- hr).

Rationale: Due to revisions in EE curriculum, we have decided to require this course as a technical elective for the Electronics emphasis area.

EE 550. Adv. Semiconductor Electronics. 3-Hr. PR: EE 450 or equivalent. Theory of electronic and photonic device. Semiconductors properties and their impact on devices behavior – p-n junctions, bipolar transistors, and MOS transistors. Quantum mechanical effects introduced. Development of models to simulate devices and simple circuits. (Date Effective - Spring, 2002) (CIP-141001) (Lec 45-hr/Lab 0-hr/Other 0-hr/Contact 45- hr).

Rationale: Course to support active area of research and area under represented in terms of number of courses available at West Virginia University.

EE 650. Optoelectronics. 3-Hr. PR: EE 450 or PHYS 471 or by permission of the instructor. Semiconductor physics theory of light-emitting diodes, homojunction lasers, single and double heterojunction lasers, separate confinement quantum well lasers, p-i-n photo detectors and avalanche photo detectors. Optical and electrical analysis of epitaxial and device designs. (Date Effective - Fall, 2002) (CIP-141001) (Lec 45-hr/Lab 0-hr/Other 0-hr/Contact 45- hr).

Rationale: This course supports an active area of research within the Electronics emphasis area of EE M.S. and Ph.D. program.

Human Resources & Education
Speech Pathology and Audiology

New Courses:

SPA 484. Clinical Study & Application. 1-Hr. PR: All required courses through junior year. SPA seniors will meet in weekly seminars and with a faculty mentor to explore, develop, and write a clinically-oriented research paper and a corresponding annotated bibliography that contains a minimum of twenty relevant sources. (Date Effective - Fall, 2002) (CIP-5102041) (Lec 15-hr/Lab 0-hr/Other 0-hr/Contact 15- hr).

Rationale: SPA 484 is a new one-hour course that will be incorporated into the capstone experience during the fall semester of the senior year.

SPA 485. Clinical Study & Application. 1-Hr. PR: All SPA required courses through fall semester senior year. SPA seniors will meet in weekly seminars and with a faculty mentor to develop and orally present with a visual aid the clinically-oriented research
paper developed in SPA 484. (Date Effective - Spring, 2003) (CIP-510204) (Lec 45-hr/Lab 0-hr/Other 0-hr/Contact 45-hr).

Rationale: SPA 485 is a new one-hour course that will be incorporated into the capstone experience during the spring semester of the senior year.

Medicine

New Courses:

EXPH 240. Medical Terminology. 1-Hr. PR: Sophomore Standing. The study of medical language with special emphasis given to terms used in the field of exercise physiology. (Date Effective - Spring, 2002) (CIP-519999) (Lec 1-hr/Lab 0-hr/Other 0-hr/Contact 1-hr).

Rationale: Medical terminology is the foundation of all health professional fields. The field of exercise physiology is emerging as an important component of the overall health care system. This course will give the student the ability to analyze, define and use medical terms, with special attention given to those terms used in health care as it relates to exercise physiology.

EXPH 460. Pathophysiology. 3-Hr. PR: EXPH 365; Junior Standing. Coreq: PHYS 241. The study of disease etiology and the physiological changes that occur from disease, with special emphasis given to the use of exercise in disease prevention and therapy. (Date Effective - Spring, 2002) (CIP-519999) (Lec 3-hr/Lab 0-hr/Other 0-hr/Contact 3-hr).

Rationale: The field of exercise physiology is emerging as an important component of the overall health care system. Most students who graduate with a baccalaureate degree in exercise physiology pursue advanced degrees in exercise physiology and other health professions. Students who wish to continue their education in clinical exercise physiology or other health professions need to be able to differentiate between health and diseased systems of the body and to gain understanding of the various causes of disease. These students also need to understand how exercise is used in prevention and therapy of disease. This course is one of the required courses for the new health professions emphasis area.

EXPH 470. Research Methods. 3-Hr. PR: Senior Standing; Coreq: EXPH 496. The study of the scientific method and research design as it relates to the field of exercise physiology and preventive medicine. (Date Effective - Spring, 2002) (CIP-519999) (Lec 30-hr/Lab 0-hr/Other 15-hr/Contact 45-hr).

Rationale: An understanding of research methods is fundamental for exercise physiologists in all clinical and scientific work settings. This course will give students the ability to develop and design research studies in exercise physiology and to understand the scientific literature. This course is a new required course in the health professions emphasis area.