

October 31, 2008

**Faculty Senate Curricular Affairs Committee
Four Hundred Sixty-Fourth Report**

At the October 27, 2008 meeting of the Curricular Affairs Committee the following matters were considered and are now presented to the Faculty Senate.

SECTION I

Informational Matters

A. College of Arts and Sciences

1. Department of Communication Studies

CHANGE: Title for COM 351 to "Organizational Communication Skills"

2. Department of Political Science and Department of Sociology and Anthropology

CHANGE: PSC 274 (or SOC 274) by transferring major responsibility for the course to Sociology as "SOC 274 (or PSC 274)" and deleting the prerequisite.

3. Department of Theatre

CHANGE: Description for THE 341 by deleting "Emphasis on stage management."

B. College of the Engineering

1. Departments of Civil and Environmental Engineering

a. CHANGE: Number for CVE 221 to "CVE 230 (221)" and description to read "Introduction to the physical and mechanical properties of civil engineering construction materials including steel, wood, and Portland cement concrete. Cement properties, mix design, testing of fresh and hardened concrete"

b. CHANGE: Description and prerequisite for CVE 375 to "Laboratory studies in environmental engineering and water resources. Measurement of environmental contaminants, closed conduit flow, open channel flow. Treatment processes, pipe networks, centrifugal pump characteristics. Computer implementation for design. (Lab. 3) Pre: credit in MCE 354, CVE374 and credit or concurrent enrollment in CVE 370".

2. Department of Industrial and Systems Engineering

CHANGE: Prerequisite for ISE 240 to “Pre: CHM 101 and PHY 203, or permission of instructor.”

3. Department of Mechanical Engineering and Applied Mechanics

CHANGE: Prerequisite for MCE 262 to “Pre: MTH 141 and credit or concurrent enrollment in EGR 106, or permission of instructor.”

4. Department of Ocean Engineering

CHANGE: Prerequisite for OCE 206, OCE 301 and OCE 311 by adding “or permission of instructor.”

C. College of Human Science and Services

1. Department of Human Development and Family Studies

CHANGE: Prerequisite for HDF 290 to “Pre: permission of instructor or sophomore standing.”

2. Department of Kinesiology

CHANGE: Title for KIN 270 to “Introduction to Teaching Physical Education and Health” and description by adding “and health” after “physical education” whenever it appears.

SECTION II

Curricular Matters which Require Confirmation by the Faculty Senate

A. College of Arts and Sciences

Department of History and Women’s Studies Program

ADD: **HIS 361 (or WMS 361) Women’s Lives in New England, 1790-1930 (3)**

Social, political and literary history of women in New England with an emphasis on women’s work and how that work shaped gender relations. Theoretical approaches from women’s studies, race and gender studies will inform the treatment of women’s history and the history of material culture in New England. (Lec. 3) Pre: junior standing or permission of the instructor.

B. College of Engineering

1. Entire College

CHANGE: Requirements to transfer from University College to the College of Engineering to read as follows:

To transfer from UC to the COE, students must not only complete at least 24 credits (including transfer credits) with a grade point average of 2.0 or better, they must also have completed at least 20 credits from the following list of required courses with a grade point average of 2.0 or better: MTH141, MTH142, CHM101/102, PHY203/273, EGR105, EGR106, and either PHY204/274 or CHM112/114.

2. Department of Civil and Environmental Engineering

- a. ADD: **CVE 205 Introduction to Civil Engineering Tools (1)**
Introduction to the nature and history of the profession of civil and environmental engineering and tools including engineering drawings, computer-aided design, and basic computer programming. (Lab 3) Pre: EGR 106.
- b. DELETE: **CVE 371 Hydraulic Engineering Laboratory (1)**
- c. CHANGE: Curricular requirements for the B.S. Degree in Civil and Environmental Engineering as follows:
- Convert two previously required courses to electives (CVE 250 and CVE 240/241) effectively increasing the number of professional electives from 3 to 5, (no credit change).
 - Eliminate the one credit laboratory CVE 371 and incorporate some of its material in CVE 375.
 - Eliminate the one credit laboratory CVE 466 and incorporate some of its material in CVE 221, which is now renamed to CVE 230.
 - Introduce a new required one-credit course, CVE 205, Civil Engineering Tools to provide sophomore civil engineering students with the tools they need to succeed in their civil engineering studies.
 - Re-arrange the sequence of some courses in order to ensure a balanced schedule between fall and spring semesters.
 - Require all students to take the Fundamentals of Engineering examination (FE Exam) but they do not necessarily need to pass it.

The net effect of these changes is a one-credit reduction to the degree requirements: Total 128 credits

3. Department of Ocean Engineering

- a. CHANGE: Credits for OCE 205 to “4” and prerequisite to “Pre: EGR 106 and concurrent enrollment in OCE 215 or permission of instructor.”
- b. CHANGE: Curricular requirements for the B.S. Degree in Ocean Engineering as follows:
- Eliminate requirement of EGR/PHL316
 - Reduce number of professional electives from 4 to 3.

C. College of Human Science and Services

1. Department of Human Development and Family Studies

ADD: New professional content area in Family Finances as follows:

Students may take any four courses from the Family Finances area (12 credits)

- HDF 418 (3) Personal Finance
- HDF 424 (3) Applications of Personal Finance
- HDF 426 (3) Retirement Planning
- HDF 428 (3) Consumer Protection
- HDF 451 (3) Financial Counseling & Debt Management

Completing courses in the Family Finance curriculum does not require a student to enroll in the FFCP certificate program.

2. Department of Kinesiology

a. ADD: The following courses:

- 1) **KIN 121 Principles of Youth Fitness (1)**
Principles of exercise as it relates to children and adolescents. Emphasis on teaching principles of aerobic exercise, flexibility, and resistance training. (Lec. /Lab 2) Open to kinesiology majors only.
- 2) **KIN 307 Methods of School Health Instruction (3)**
Designed to teach methods, techniques, learning styles, and skills necessary to recognize the developmental, physical, social, and emotional growth of elementary and secondary level students. (Lec 3) Pre: admission into the PHETE program.
- 3) **KIN 309 Supervised Experience in Health Education (1)**
Students participate in supervised experience laboratory for methods learned in 307: Methods of School Health Instruction; (Practicum) Pre: Concurrent enrollment in 308 and admission in the PHETE program.
- 4) **KIN 368 Assessment in Physical Education and Health (3)**
Focuses on the method and materials for measurement and evaluation in PE. Provides a basic introduction to data analyses and statistical inference. (Lec. 3) Pre: basic mathematics background.

b. CHANGE: Physical Education Teacher Education Option in the B. S. degree in Kinesiology to include Health Education. The requirements will read as follows:

Physical and Health Teacher Education Option. This option is designed for students seeking teacher certification in physical education and health education at the elementary and secondary levels.....(stays the same until the final 2 sentences of this section).... Students in the physical and health education teacher education certification and licensure program are required to take and pass the Praxis II: Principles of Learning and Teaching (PLT) and the Physical Education Content Knowledge Test prior to student teaching. Contact the Office of Teacher Education for the “passing” scores required for each test.

Degree Requirements. The following courses are required of all students in kinesiology: URI 101 (1 credit), 40 credits of general education including WRT 104, 105, or 106; COM 100; BIO 101; and PSY 113. Core curriculum requirements (18 credits) include BIO 121, 242; KIN 334, 123, 272, 278, and 370. A total of 128 credits are required for graduation from the exercise science, health fitness and general options. At total of 135 credits are required for graduation from the Physical and Health Education Teacher Education Program. Specific requirements for different degree options are listed below.

Teacher certification requirements include KIN 270, 304, 305, 307, 309, 310, 314, 315,324, 380, 382, 401, 410; PSY 232; EDC 312, 485, 486/487; NFS 207; NUR 150; MIC 201; HDF 357; 7 credits of practicum activity including KIN 116, 117, 118, 121, 222, 322, and 324.

Requirements in the health fitness option include KIN 105L, 120, 243, 275, 325, 335,369, 382, 420, 425, 484, 486; NFS 207, plus 3 credits of an approved 400-level course in health promotion. Additionally, to reach the required 128 credits, students take eight credits of free electives and select 18 credits from the following specialization electives: BCH 311, BUS 140, 201,202, 315; CHM 124, COM 202.

The exercise science option requires CHM 105, 124, 126; BCH 311; BIO 244; NFS 207; KIN 243, 275,325, 335, 369, 420, 484, and 486.

S E C T I O N III

Joint Report of the Curricular Affairs Committee and Graduate Council on 400-Level Courses

At the an April 21, 2008 and October 27, 2008 meetings of the Curricular Affairs Committee and the October 27, 2008 meeting of the Graduate Council, the following matters were considered and are now presented to the Faculty Senate.

A. Informational Matters

1. College of Engineering

*a. Department of Civil and Environmental Engineering

CHANGE: Prerequisite for the following courses:

- a) CVE 465 to "Pre: 354 or concurrent enrollment."
- b) CVE 497 to "Pre: credit or concurrent enrollment in 346, 354, 374, and 381. Must be taken immediately prior to 498. Required of all seniors in civil and environmental engineering."

*No action by the Graduate Council. Not for graduate credit.

- c) CVE 498 to “Pre: credit or concurrent enrollment in 370, and 497. Required for all seniors in civil and environmental engineering.”

*b. Department of Mechanical Engineering and Applied Mechanics

CHANGE: Prerequisite for MCE 401 to “Pre: 302 and 366 and 448 and ISE 240 and concurrent registration in CHE 333, or permission of instructor. Must be taken in the semester prior to 402. Not for graduate credit.”

2. College of the Environment and Life Sciences

Department of Natural Resources Science

CHANGE: Prerequisite for the following courses:

- a) NRS 402 to “ Pre: BIO 262, NRS 223, STA 308 or 409, and permission of instructor.
- b) NRS 406 to “Pre: BIO 262, NRS 223, and permission of instructor.”
- c) NRS 423 to “ Pre: BIO 262, GEO 103, NRS 223, concurrent enrollment in NRS 425 or 525, and permission of instructor.”

B. Matters which require confirmation by the Faculty Senate

1. College of Arts and Sciences

Department of Physics

ADD: **PHY 430 Modern Biological Physics (3)**
Quantitative representation of the structure and organization of biological molecules (DNA, RNA, proteins, membranes), the forces that stabilize biomolecules, cooperative transitions, protein folding, membrane physics, energy transduction in biological systems, molecular motors, and ratchet models. Pre: MTH 244.

2. College of Engineering

*Department of Civil and Environmental Engineering

DELETE: **CVE 466 Structural Concrete Laboratory (1)**

*No action by the Graduate Council. Not for graduate credit.