

University of Rhode Island

Faculty Senate

April 21, 2003

Faculty Senate Curricular Affairs Committee

Four Hundred Fifteenth Report

At the April 14, 2003 meeting of the Curricular Affairs Committee, the following matters were considered and are now presented to the Faculty Senate.

S E C T I O N I

Informational Matters

A. College of Arts and Sciences

1. Department of History

CHANGE: Description for HIS 333 to read as follows:

HIS 333 Twentieth Century Russia (3)

From Imperial Russia's progress toward modernization to society, economy and politics in the 1990s. The Soviet experiment is studied from domestic and international angles. Close attention given to the Stalin Revolution, Cold War and attempts to revitalize the one party state.

2. Justice, Law and Society Committee

CHANGE: The list of courses, in the Social Justice Category, from which one may be chosen and applied towards the Justice, Law and Society minor:

ECN 386 The Economics of Race, Class and Gender

HIS 366 (or AAF 366) Black Political Thought in the Age of Civil Rights and Black Power

HIS/AAF 367 Contemporary African American Political Thought

PSC 441 Women and Politics

PSC 485 The Politics of Civil Rights

WMS 310 Race, Class and Sexuality in Women's Lives

B. College of the Environment and Life Sciences

Department of Nutrition and Food Sciences

a. CHANGE: Prerequisite for the following courses:

1) NFS 337 to "Pre: 227, CHM 124, 126."

2) NFS 375 to "Pre: 207, 227 or permission of instructor."

3) NFS 395 to "Pre: 276, 394."

b. CHANGE: Title for NFS 236 to "Computer Applications in Nutrition and Food Sciences."

C. Statement of Policy on Consideration of Permanent Courses:

It is appropriate that courses which are part of the University's permanent offerings be instituted by continuing members of the University faculty.

Courses by anyone other than continuing faculty members should be proposed as temporary ('X') courses. Such temporary courses shall not subsequently be considered for transformation to permanent status unless a continuing member of the department's faculty proposes and assumes responsibility for the course.

SECTION II

Curricular Matters Which Require Confirmation by the Faculty Senate

A. College of Arts and Sciences

1. Department of Chemistry

a. ADD: Forensic Science (FOS) course code

b. ADD: CHM 392 (or FOS 392) Introduction to Criminalistics (3)

A class designed to introduce students to the basic areas and issues in forensic science in criminalistics. It is required for students seeking a forensic science minor. May not be repeated for credit. May not be taken in the same semester as 391. (Lec. 3)

2. Department of Economics

ADD: ECN 371 Economics in Islamic Societies (3)

Principles of Islamic economic systems, private property and the market. Freedom of enterprise and role of the state. Comparison with capitalism and socialism. Pre: 201, 202 or permission of instructor.

3. Department of Languages

CHANGE: Number for SPA 201 to SPA 207 (201) and prerequisite to "Pre: 205 or permission of instructor; may be taken concurrently with 205."

4. Department of Sociology and Anthropology

ADD: APG 301 The Anthropology of Nutrition (3)

Exploration of the cultural and biological relationships of food, diet and nutrition among human populations. The evolutionary history of food production, distribution, preparation and selection will be considered. (Lec. 3) Pre: sophomore standing.

B. College of Business Administration

CHANGE: Curriculum in Freshman Year for all business majors by replacing one free elective with: APG 203, PSY 103, PSY 113, or SOC 204.

Students have at least 6 credits of free electives in the junior and/or senior year.

C. College of the Environment and Life Sciences

a. CHANGE: Laboratory hours for NFS 227 to "(3)" and prerequisite to "Pre: 207."

b. CHANGE: Description for the following courses:

1) NFS 394 Nutrition in the Life Cycle I (3)

Current issues in maternal, child and adolescent nutrition with emphasis on nutrient requirements and food habit development; delivery of cost-effective nutrition services and the application of the principles of menu planning.

2) NFS 395 Nutrition in the Life Cycle II (3)

Current issues in nutrition for the adult and older adult with emphasis on nutrient requirements related to physiological changes; screening initiatives; program development to reduce risk of nutrition-related diseases.

S E C T I O N III

Joint Report of the Curricular Affairs Committee and Graduate Council on 400-level courses:

At the March 17 and April 14, 2003 meetings of the Curricular Affairs Committee and the February 28, March 28, and April 18, 2003 meetings of the Graduate Council, the following matters were considered and are now presented to the Faculty Senate.

A. Informational Matters

I. College of Engineering

a. *Department of Chemical Engineering

CHANGE: Prerequisite for CHE 425 by adding "CHE 464" to the list of prerequisites.

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

b. Department of Electrical and Computer Engineering

1. CHANGE: Title and description for the following courses:

a) ELE 401 Lasers, Optical Fibers, and Communication Systems (4)

**Introduction to lasers, LEDs, optical fibers and detectors.
Properties of Gaussian beams, optical resonators, and diffraction of Gaussian beams. Properties of Fabry-Perot cavities.
Introduction to fiber optical communications systems. (Lec. 3, Lab. 3)**

b) ELE 447 Digital Integrated Circuit Design I (4)

**Introduction to full custom digital integrated circuit design.
Analysis of logic functions and timing at the transistor level.
Realization of logic functions via hand crafted transistor layout.
Design project. (Lec. 3, Lab. 3)**

***2. CHANGE: Description for ELE 423:**

ELE 423 Electromagnetic Fields II (4)

Transmission lines, Maxwell's equations, wave equation, reflection and refraction phenomena, polarization effects waveguides and antennas. Design project requiring application of electromagnetic theory and use of numerical methods. (Lec. 4) Not for graduate credit.

3. CHANGE: Description and prerequisite for ELE 457:

ELE 457 Feedback Control Systems (3)

Fundamental techniques for the analysis and design of linear feedback systems. Stability, sensitivity, performance criteria,

steady-state error, Nyquist criterion, root locus techniques, and compensation methods. (Lec. 3) Pre: 314.

2. College of the Environment and Life Sciences

Department of Nutrition and Food Sciences

1) CHANGE: Prerequisite for the following courses:

a) NFS 443 to "Pre: 207, 394, 395 or permission of instructor."

b) NFS 444 to "Pre: 441, 443 or permission of instructor."

***2) CHANGE: Title for NFS 451, 452 to "Field Experience in Nutrition and Food Sciences" and prerequisite to "Pre: 394, 395 and permission of instructor."**

3. College of Human Science and Services

a. Department of Human Development and Family Studies

CHANGE: Prerequisite for HDF 450 to "Pre: senior standing in HDF, graduate standing, or permission of instructor."

b. Department of Physical Education and Exercise Science

ADD: PEX 411X Assessment of Special Populations (3)

Assessment and programming of fitness, motor, and functional skill behaviors for individuals with special needs. (Lec. 2, Lab. 2) Pre: 410, 369 or permission of chairperson.

B. Curricular Matters Which Require Confirmation by the Faculty Senate

***1. College of Engineering**

Department of Civil and Environmental Engineering

CHANGE: Method of instruction for CVE 465 to "(Lec. 3)."

2. College of the Environment and Life Sciences

a. Department of Plant Sciences

DELETE: The following courses:

a) PLS 407 (or NRS 408) Environmental Education: Theory and Experiential Learning (3)

b) PLS 415 Theories and Practices in Therapeutic Horticulture (3)

c) PLS 436 Floriculture and Greenhouse Crop Production (4)

d) PLS 463 Principles of Plant Disease Control (3)

e) PLS 472 Plant Improvement II (3)

***f) PLS 476 Environmental Plant Physiology (3)**

g) PLS 484 Structures (3)

b. Department of Nutrition and Food Sciences and Department of Cell and Molecular Biology.

CHANGE: Cross-listing of "NFS 422 (or MIC 422) Biotechnology of Industrial Microorganisms (3)" by deleting NFS and moving description to MIC.

3. College of Human Science and Services

Department of Physical Education and Exercise Science

ADD: PEX 411 Assessment of Special Populations (3)

**Assessment and programming of fitness, motor, and functional skill behaviors for individuals with special needs. (Lec. 2, Lab. 2)
Pre: 410, 369 or permission of chairperson.**

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