4-17-1986

Curricular Report No. 1985-86-5 from the Graduate council to the Faculty Senate

University of Rhode Island Faculty Senate

Serial Number #85-86--29

THE UNIVERSITY OF RHODE ISLAND
Kingston, Rhode Island

FACULTY SENATE
BILL

Adopted by the Faculty Senate

TO: President Edward D. Eddy

FROM: Chairperson of the Faculty Senate

1. The attached BILL, titled Curricular Report No. 1985-86-5 from the Graduate Council to the Faculty Senate,

_____,

is forwarded for your consideration.

2. The original and two copies for your use are included.

3. This BILL was adopted by vote of the Faculty Senate on April 17, 1986 (date).

4. After considering this bill, will you please indicate your approval or disapproval. Return the original or forward it to the Board of Governors, completing the appropriate endorsement below.

5. In accordance with Section 10, paragraph 4 of the Senate's By-Laws, this bill will become effective May 8, 1986, three weeks after Senate approval, unless: (1) specific dates for implementation are written into the bill; (2) you return it disapproved; (3) you forward it to the Board of Governors for their approval; or (4) the University Faculty petitions for a referendum. If the bill is forwarded to the Board of Governors, it will not become effective until approved by the Board.

April 18, 1986
(date)

Richard Katula
Richard Katula
Chairperson of the Faculty Senate

ENDORSEMENT

TO: Chairperson of the Faculty Senate

FROM: President of the University

Returned.

a. Approved ✓.

b. Approved subject to final approval by Board of Governors _____.

c. Disapproved _____.

✓ 4/29/86
(date)

✓ Edward D. Eddy
President

Form revised 4/86

UNIVERSITY OF RHODE ISLAND
The Graduate School

CURRICULAR REPORT FROM THE GRADUATE COUNCIL TO THE FACULTY SENATE - Rpt No. 1985-86-5

At its Meeting No. 249 held March 21, 1986 the Graduate Council considered and approved the following curricular matters which are now submitted to the Faculty Senate for information or confirmation as indicated.

I. Matters of Information.

A. College of Arts and Sciences
1. Department of Physics
a. Temporary Course

PHY 930X Workshop in Physics Topics for Teachers I,II,SS, 0-3each
Especially designed for teachers of physical sciences. Basic topics in physics from an advanced or pedagogical perspective. (Lec or Lab) Pre: Certified Teacher. Staff

2. Department of Psychology
a. Temporary Course

PSY 544X Seminar: Current Research on Reading Disability SS,3
An in-depth review of research on factors related to reading disability. Topics include: evidence for language bases of reading disability, perceptual and neurological factors, implications for screening and instruction. (Sem) Pre: Graduate standing or permission of instructor. Brady

3. Library and Information Studies
a. Temporary Course

LSC 549X Information Storage and Retrieval I or II,3
Theory and methods of analyzing, storing, and retrieving primarily bibliographic information and their application in libraries and information services. Operation, monitoring, and evaluation of manual and computerized retrieval systems. Pre: LSC 501. Siitonen

II. Matters Requiring Confirmation by the Faculty Senate.
A. College of Resource Development
1. Department of Plant Sciences
a. Changes

PLP 511 - code changed to PLS 511: The Nature of Plant Disease

PLP 571 - code changed to PLS 571: Plants, Insects and Pathogens

PLS 501-504: Graduate Seminar in Plant and Soil Science - title and description to read:

PLS 501-504 Graduate Seminar in Plant Sciences I and II, 1 each
Presentation of technical reports and discussion of current research papers in landscape ecology, growth and development of economic crops, production, protection, and management of economic crops. (Lec 1) Pre: Permission of instructor. Staff

PLS 591,592: Non-thesis Research in Plant and Soil Science - title to read:

PLS 591,592 Non-thesis Research in Plant Sciences I and II. 1-3 each

b. Deletions

PLP 599: Master's Thesis Research
PLP 699: Doctoral Thesis Research
PLP 591,592: Research Problems

B. College of Arts and Sciences
1. Department of Botany
a. Add (New)

BOT 546 Seminar in Plant Stress Physiology II,1-2
Readings, discussion and analysis of current literature with emphasis on biochemical and genetic aspects of responses. Students electing two credits will write review papers. (Lec 1) Pre: A course in plant physiology and a course in biochemistry. In alternate years, next offered 1986-87. Albert

b. Deletion

BOT 545 Phytochrome and Photomorphogenesis

c. Changes

BOT 511 Special Readings in Developmental Plant Anatomy - description changed to read:

BOT 511 Special Readings in Developmental Plant Anatomy I,3
Intensive tutorial work, research, and reading on ontogeny of plant structures and morphogenetic mechanisms. Pre: Graduate standing and permission of instructor. Concurrent audit of BOT 311 required. Offered on demand. Hauke

2. Department of Chemistry
a. Deletion

CHM 627 Organic Intermediates

b. Changes

CHM 628: Organometallic Chemistry - title and prerequisite changed to read:

CHM 628 Metals in Organic Chemistry II,3
Pre: CHM 501 or 502 and CHM 521 or 522.

3. Department of Microbiology
a. Change

MIC 561 Recent Advances in Molecular Cloning - description changed to read:

MIC 561 Recent Advances in Molecular Cloning - include "May be repeated".

4. Department of Psychology
a. Change

PSY 696 Practicum: Teaching Psychology - grading method changed from letter grades to S/U grading

5. Department of Physics
a. Add (New)

PHY 930 Workshop in Physics Topics for Teachers I,II,SS, 0-3 each
Especially designed for teachers of physical sciences. Basic topics in physics from an advanced or pedagogical perspective. (Lec or Lab) Pre: Certified Teacher. Staff

6. Department of Biochemistry and Biophysics
   a. Add (New)

BCP 584 Membrane Biochemistry II,3
Review of model systems for biochemical, physical and chemical studies of cell membranes. Discussion of current research directed at a molecular understanding of membrane structure and function. (Lec 3) Pre: BCP 582 (can be taken concurrently) or permission of instructor. [redacted] Rhoads

BCP 991 The Grant Proposal I,2
Identifying sources of support for research. Planning, presenting, and defending the objectives, rationale, background, significance, and budget of the research proposal. (Lec) Pre: Ph.D. candidates in the biological or biomedical sciences who have completed at least 24 credits of graduate-level coursework and permission of instructor. Rhoads and Tremblay

   b. Deletion

BCP 542 Laboratory Techniques in Biochemistry

BCP 612 Biochemical Regulation of Cellular Metabolism

   c. Changes

BCP 541 Laboratory Techniques in Biochemistry - description and prerequisite changed to read:

BCP 541 Laboratory Techniques in Biochemistry I,3
Potentiometric titration and buffers, spectroscopy (UC, visible and IR), protein assays, radioisotopes, gel electrophoresis, chromatography (thin layer, ion exchange and high performance)and ultracentrifugation. Pre: General chemistry, organic chemistry and at least one semester of biochemistry which may be taken concurrently. Hartman

BCP 611: Metabolism - number changed to BCP 583

CHANGE in the program requirements for the Master of Science and the Doctor of Philosophy in Biochemistry and Biophysics to read as follows (change underlined):

Master of Science
Program requirements for all candidates: BCP 435, 521, 541, 581, 582 and 3 credits in a 500-level course exclusive of seminar, special topics, or research. Thesis option: a minimum of 24 credits (exclusive of thesis credits) including the above requirements and a thesis. Non-thesis option: a minimum of 36 credits including the above requirements, BCP 695, 696, and 651 or 652, and the written master's examination. BCP 651 or 652 will require a substantial paper involving significant independent research.

Doctor of Philosophy
Program requirements: BCP 435, 521, 541, 581, 582, 695, 696, and at least 6 credits of additional BCP coursework at the 500-level, exclusive of special topics or research.

7. Department of Zoology
   a. Deletion

ZOO 542 Comparative Physiology

CURRICULAR REPORT FROM THE GRADUATE COUNCIL TO THE FACULTY SENATE - Rpt No. 1985-86-5

C. College of Engineering
   1. Department of Civil and Environmental Engineering
      a. Add (New)

CVE 568 Theory of Plates I or II,3
Development of basic plate equations. Classical solution examples of rectangular and circular plates. Additional topics selected from: orthotropic plates, large deflections, finite element and numerical solutions. (Lec 3) Pre: CVE 220, MTH 244
Chang/Nash

      b. Deletions

CVE 651 Plate Structures

CVE 652 Shell Structures

   2. Departments of Chemical Engineering and Food Science and Nutrition
      a. Change

CHE 548 (or FSN 548): Food Engineering II - title and description changed to read:

CHE 548 (or FSN 548) Separtations for Biotechnology II,3
A study of methods of cencentration used in the biotechnology industries for production and isolation of products. Pre: CHE 447 or 348 Barnett

   3. Department of Mechanical Engineering
      a. Crosslisting

MCE 568 with CVE 568: Theory of Plates

      b. Deletions

MCE 573 Theory of Plates

MCE 674 Theory of Shells

      c. Add (New)

MCE(CVE) 668 Theory of Shells I or II,3
Development of basic shell equations. Classical solution examples for membrane shells and shells of revolution with bending. Additional topics selected from: variational methods, finite element techniques, reinforced and composite shells. (Lec 3)
Pre: MCE/CVE 568 or permission of instructor.Sadd/Karamanlidis