

10-24-1996

Curricular Report No. 1996-97-1 from the Graduate Council to the Faculty Senate

University of Rhode Island Faculty Senate

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UNIVERSITY OF RHODE ISLAND
Kingston, Rhode Island
FACULTY SENATE

BILL
Adopted by the Faculty Senate

TO: President Robert L. Carothers
FROM: Chairperson of the Faculty Senate

1. The attached BILL, titled Curricular Report No. 1996-97-1 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 October 24, 1996.
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 November 14, 1996, 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.

October 25, 1996
(date)

James G. Kowalski
James G. Kowalski
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 _____.

11/1/96
(date)

Robert L. Carothers
President

UNIVERSITY OF RHODE ISLAND
The Graduate School
CURRICULAR REPORT FROM THE GRADUATE COUNCIL TO THE FACULTY SENATE
REPORT NO. 1996-97-1

At its Meeting No. 332 held on September 27, 1996, 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. The Graduate Council unanimously approved the statement which follows on the philosophy and mission of graduate education at URI.

**THE PHILOSOPHY AND MISSION OF GRADUATE EDUCATION AT THE
UNIVERSITY OF RHODE ISLAND**

An historic land-sea-urban grant college and modern research university, the University of Rhode Island is the flagship institution of higher learning of the state of Rhode Island. The University's graduate programs educate the citizens of Rhode Island, New England, the nation, and the world. They contribute to the expansion of knowledge in the national and international scholarly community, solve technical and theoretical problems and enhance the quality of undergraduate education. They engage in widely-renowned research and teaching, provide sophisticated training for post-baccalaureate students, stimulate learning and thinking in both new and traditional disciplines, and emphasize intellectual development at the highest level.

Graduate education and research at the University of Rhode Island are housed in the colleges of Arts and Sciences, Business Administration, Engineering, Human Science and Service, Nursing, Pharmacy, Resource Development and the School of Oceanography. Graduate programs are responding to the challenge of creating new knowledge in vital arenas of inquiry by highlighting marine and environmental studies, health, children, families and communities, and enterprise and advanced technology. They are continuing to educate students in the liberal arts and sciences by analyzing the worlds of the human experience and the basic sciences, in all of their diversity, beauty, and particularity.

To maintain and improve the quality of its graduate programs and public service mission, the University of Rhode Island retains a stable core of highly-qualified tenure track graduate faculty. It seeks high levels of outside funding and provides the basic resources for effective research. It promotes the exchange of ideas across disciplines and colleges and establishes formal and informal connections with outstanding programs at other universities. It encourages the international exchange of students and faculty. It conducts periodic reviews to determine the excellence, the timeliness, and the contributions of graduate programs to the regional, national, and international community. Programs are added and deleted as a result of these careful reviews. As the University of Rhode Island enters the twenty-first century, its graduate programs will provide the kind of leadership in research and learning needed for preserving traditional knowledge and promoting new modes of inquiry.

B. College of Resource Development

1. Department of Resource Economics

a. Temporary Course (approval for second offering)

REN 518X Mathematics for Economists I,2 or 4
Introduction to mathematical methods in economics and business.
Economic applications of constrained and unconstrained
optimization, matrix algebra, primal and dual functions, eigen
roots, with illustrations from economics, finance and environmental
and natural resource economics. (Lec 2 or 4) Pre: ECN 328 and
MTH 131 or equivalent. Gates

C. College of Pharmacy

1. Department of Applied Pharmaceutical Sciences

a. Temporary Course (approval for second offering)

APS 580X Pharmacoeconomic Analysis I,3
Introduction to methodologic approaches utilized in economic
evaluation of drug use and therapy in community and managed care
settings, and clinical trials including the FDA approval process
and liability issues. (Lec 3) Pre: STA 307 or equivalent or
permission of instructor. Staff

II. **Matters Requiring Confirmation by the Faculty Senate.**

A. Graduate School of Oceanography

1. Add (New)

OCG 593,594 Special Studies I and II, 1-4 each
Studies of specialized topics in the marine sciences. (Independent
Study) Staff

B. College of Engineering

1. Department of Chemical Engineering

a. Add (New)

CHE 576 Process Engineering for Pollution Prevention I or II,3
Management of processes and development of techniques for waste
minimization in the chemical process, machine tool coating,
plating, plastics and other industries. (Lec/Workshop) Pre:
Permission of instructor. Barnett/Park

2. Department of Ocean Engineering

a. Add (New)

OCE 575 Marine Bioacoustics II,3
Introduction to marine mammal hearing, sound production, and the
uses of sound for communication and echolocation; dolphin sonars;
analysis and processing of marine mammal signals including passive
tracking; the effects of noise on marine mammals. (Lec 3) Pre:
OCE 471 or permission of instructor. Miller

b. Change

OCE 661 Analysis of Oceanographic Data Systems - semester and
prerequisite changed to: II; Pre: OCE 560 or ELE 506, or
equivalent.

3. Department of Civil and Environmental Engineering

a. Changes

CVE 585 Soil Dynamics - prerequisite changed to:
Pre: 483 or equivalent or concurrent enrollment.

CVE 681 Advanced Geotechnical Engineering I - prerequisite changed to: Pre: 381 or equivalent and graduate standing.

CVE 682 Advanced Geotechnical Engineering II - prerequisite changed to: Pre: 381 or equivalent and graduate standing.

CVE 687 Geotechnical Earthquake Engineering - prerequisite changed to: Pre: 483 or equivalent, or concurrent enrollment, and graduate standing.

C. College of Pharmacy

1. Department of Applied Pharmaceutical Sciences

a. Changes in M.S. admission and program requirements

Admission Requirements changed from "CSC 201" to "CSC 200 or equivalent."

Program Requirements changed from "STA 409 or equivalent" to "STA 409, 411 or equivalent" -and changed from "BCH 435" to "CHM 431 or CHM 432 or BCH 435."

D. College of Resource Development

1. Department of Resource Economics

a. Changes

REN 514 Economics of Marine Resources - description changed to read:

Role of economics in management of estuarine and marine resources. Particular attention is given to resource valuation, environmental issues and management of renewal and non-renewable resources.

REN 524 Dynamic Economic Models - description changed to read: Fundamentals of dynamic economic theory. Dynamic optimization techniques applied to environmental and natural resource economics.

REN 634 Economics of Resource Development - title changed to: Advanced Economics of Natural and Environmental Resources

REN 635 Marine Resources Policy - description changed to read: Analysis of public policy problems relating to estuarine and marine resources, including natural resource damage assessment, environmental issues, coastal zone concerns and other selected topics.

E. College of Human Science and Services

1. Department of Education

a. Add (New)

EDC 921,922,923 Workshop for Teachers I and II, 1-3 each
Current issues in education. Specific topics offered for inservice teachers and administrators. (Lec or Lab) Pre: Certified teacher. Staff