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10-15-1970

## Graduate Council Curriculum Report #70-71 - 1

University of Rhode Island Faculty Senate

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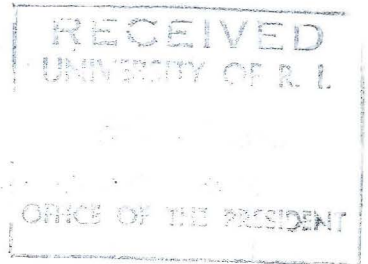
Serial Number #70-71 - 5

UNIVERSITY OF RHODE ISLAND

FACULTY SENATE

BILL

Adopted by the Faculty Senate



TO: President Werner A. Baum

FROM: Chairman of the Faculty Senate

1. The Attached BILL, titled Graduate Council Curriculum Report #70-71 - 1

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 15, 1970 (date)

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

5. In accordance with Section 8, paragraph 2 of the Senate's By-Laws, this bill will become effective on November 5, 1970 (date), 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 Trustees for their approval; or (4) the University Faculty petitions for a referendum. If the bill is forwarded to the Board of Trustees, it will not become effective until approved by the Board.

October 16, 1970  
(date)

Walter E. Mueller /s/  
Chairman of the Faculty Senate

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ENDORSEMENT 1.

TO: Chairman of the Faculty Senate

FROM: President of the University

1. Returned.

2. Approved ✓. Disapproved \_\_\_\_\_.

3. (If approved) In my opinion, transmittal to the Board of Trustees is not necessary.

10/19/70  
(date)

Werner A. Baum /s/  
President

ALTERNATE ENDORSEMENT 1.

TO: Chairman of the Board of Trustees.

FROM: The University President

1. Forwarded.
2. Approved.

\_\_\_\_\_  
(date) \_\_\_\_\_ President /s/

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ENDORSEMENT 2.

TO: Chairman of the Faculty Senate

FROM: Chairman of the Board of Trustees, via the University President.

1. Forwarded.

\_\_\_\_\_  
(date) \_\_\_\_\_ /s/  
\_\_\_\_\_  
(Office)

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ENDORSEMENT 3.

TO: Chairman of the Faculty Senate

FROM: The University President

1. Forwarded from the Chairman of the Board of Trustees.

\_\_\_\_\_  
(date) \_\_\_\_\_ President /s/

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Original received and forwarded to the Secretary of the Senate and Registrar for filing in the Archives of the University.

\_\_\_\_\_  
(date) \_\_\_\_\_ /s/  
Chairman of the Faculty Senate

UNIVERSITY OF RHODE ISLAND  
The Graduate School

October 7, 1970

CURRICULAR REPORT FROM GRADUATE COUNCIL TO FACULTY SENATE

Report No. 1970/71-1

At its Meeting No. 74 on October 2, 1970, the Graduate Council considered and approved (where necessary) the following curricular matters which are now submitted to the Faculty Senate for information or confirmation as indicated.

I. Matters of Information (for further details, consult the chairman of the department concerned).

No matters of information were presented to the Graduate Council at this meeting.

II. Matters Requiring Confirmation by the Faculty Senate.

A. College of Arts and Sciences

1. Department of Mathematics

a. Add (new)

Mathematics 418 Matrix Analysis II, 3 crs.  
Canonical forms, functions of matrices, characteristic roots, applications to problems in physics and engineering. (Lec. 3) Prerequisite: Math 215 or permission of instructor. Staff

b. Delete (contingent upon approval of Mathematics 418)

Mathematics 171 Matrix Analysis II, 3 crs.

B. Graduate School of Oceanography

a. Changes in Existing Courses

1) Change in title, description, lectures, and credits of Oceanography 631 (231) to read:

Oceanography 631 (231) Seminar in Marine Chemistry I and II, 1 cr.  
Discussion of problems of current interest in marine chemistry. (Lec. 1) Prerequisite: Ocean. 521 (221), or permission of instructor. Staff

2) Change in title, description, and lecture/laboratory of Oceanography 664 (264) to read:

Oceanography 664 (264) Phytoplankton Ecology II, 4 crs.  
Biology, ecology, methods of investigation and introductory systematics of the pelagic marine microscopic plants are considered; stress on their adaptations, physiological ecology, distribution, succession, production, and regional and seasonal dynamics. (Lec. 3, Lab. 3) Prerequisite: Permission of instructor. Smayda



b. Add (new)

- 1) Oceanography 621 The Estuary and Coastal Zone I, 3 crs.

A multi-disciplinary course on the characteristics of estuaries and adjacent coastal waters and the ecological, economic, engineering and other considerations applicable to the development, management, and conservation of such waters. (Lec. 2, Recitation and Project 1) Prerequisite: Advanced (2nd year or beyond) graduate standing and approval of the course chairman. Marshall

- 2) Oceanography 662 Phytoplankton Taxonomy I, 3 crs.  
Classical and modern systems and techniques for the identification, nomenclature, and classification of planktonic algae, with emphasis on marine forms. Phylogeny will be briefly considered. (Lec. 1, Lab. 4) Prerequisite: Permission of instructor. In alternate years. Hargraves

- 3) Oceanography 663 Phytoplankton Physiology I, 3 crs.  
Metabolic processes and methods of their investigation in phytoplankton with primary emphasis on functions pertinent to their ecology. This includes adaption, uptake of nutrients, excretion, rhythms, pigments, and photosynthesis. Prerequisite: Permission of instructor. Swift <sup>1</sup>(LEC.3)

- 4) Oceanography 667, 668, 669 Advanced Phytoplankton Seminars II, 2 crs.  
Specialized and advanced areas of phytoplankton biology and research, including systematics, physiology and ecology. (SEM. 3)  
Prerequisite: Permission of instructor. Hargraves, Smayda and Swift

NOTE: This seminar series will have a repeatable 3 year cycle, beginning in the Spring Semester of 1970-71. The Graduate School of Oceanography has requested three course numbers with the same general title to cover the cycle.

ADDITIONAL ITEM:

At its Meeting No. 73, on May 29, 1970, the Graduate Council approved the request from the College of Arts and Sciences (Eighth Report of the Curriculum Committee, May 6, 1970, Part I, pp. 11-12) for a Non-Thesis Option for the Master of Science degree program in Physical Education. At that point it was too late for submission of this request to the Faculty Senate, though it was transmitted to the Curricular Affairs Committee. Because FSCAC approval is no longer required for changes in graduate programs, by agreement with the FSCAC the Non-Thesis Option for the M.S. in Physical Education is hereby submitted for action by the Faculty Senate:

The Departments of Physical Education for Men and Women request authorization to offer a non-thesis option in the M.S. degree program. It is requested that this change be retroactive so that students presently enrolled in the program, who are not actively engaged in writing a thesis, may be allowed this option. The proposed program statement follows:

REQUIREMENTS

- A. 33 course credits distributed as follows:
  1. Four core courses: P.E. 530, Research Methods in Health and Physical Education; P.E. 520, Curriculum Construction in Physical Education; P.E. 510, Current Problems in Physical Education; and P.E. 591, Special Problems.
  2. Elective credits in Physical Education (6-15)
  3. Elective credits in a related subject matter field (6-15)
- B. The candidate shall be required to write an extensive (project) paper in conjunction with P.E. 591, Special Problems. This paper should demonstrate professional insight and academic excellence in the examination of a pertinent problem in physical education.
- C. A final departmental oral examination will be required of the candidate. This examination would inquire into the candidate's competency in the field of physical education.
- D. The candidate shall be required to pass a written comprehensive examination.