

4-15-1971

## Report #70-71-9 from Graduate Council Curricular Committee

University of Rhode Island Faculty Senate

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UNIVERSITY OF RHODE ISLAND

FACULTY SENATE

BILL

Adopted by the Faculty Senate

RECEIVED  
UNIVERSITY OF R. I.  
APR 19 1971  
OFFICE OF THE PRESIDENT

TO: President Werner A. Baum

FROM: Chairman of the Faculty Senate

1. The Attached BILL, titled Report #70-71-9 from Graduate Council Curricular Committee

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 15, 1971 (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 May 6, 1971 (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.

April 16, 1971  
(date)

Walter C. 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.

4/28/71  
(date)

Werner A. Baum /s/  
President

ALTERNATE ENDORSEMENT 1.

TO: Chairman of the Board of Trustees.

FROM: The University President

- 1. Forwarded.
- 2. Approved.

\_\_\_\_\_/s/

(date) President

ENDORSEMENT 2.

TO: Chairman of the Faculty Senate

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

- 1. Forwarded.

\_\_\_\_\_/s/

(date) \_\_\_\_\_

(Office)

ENDORSEMENT 3.

TO: Chairman of the Faculty Senate

FROM: The University President

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

\_\_\_\_\_/s/

(date) President

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

\_\_\_\_\_/s/

(date) Chairman of the Faculty Senate

UNIVERSITY OF RHODE ISLAND  
The Graduate School

Report #70-71-9

March 29, 1971

CURRICULAR REPORT FROM GRADUATE COUNCIL TO THE FACULTY SENATE

At its Meeting No. 83 on March 26, 1971, 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.

OCG 509 Title change from Marine Pollution to Ecological Aspects of Marine Pollution. (ISLER)

II. Matters Requiring Confirmation by the Faculty Senate:

A. College of Arts & Sciences

1. Department of Psychology

a. Add (New)

PSY 460 The Psychology of Violence and Aggression Sem I & II 3 credits  
Study of Causal factors involved in understanding aggressive behavioral reaction from clinical, physiological, and social viewpoints. Emphasis upon methods used to deal with and change violent or aggressive behavior. (Lec. 3) Prerequisites: Psychology 113 and Sociology 204, or permission of instructor. BERMAN

PSY 461 Social and Psychological Aspects of Alcoholism Sem I & II 3 credits  
Study of Causes and effects of alcoholism. Oriented toward needs of those working with alcoholics, dealing with treatment and/or prevention of alcoholism. (Lec. 3) Prerequisites: Psychology 113, junior standing and permission of instructor. WILLOUGHBY

PSY 463 Psychology of Personal Meaning Sem I & II 3 credits  
Experiential and academic examination of the sources of meaning of human existence. Exploration of modes for finding such meaning. (Lec. 3) Prerequisites: Psychology 113, junior standing. ATYAS

2. Department of Mathematics

a. Add (New)

MTH 444 Ordinary Differential Equations Sem II 3 credits  
Introduction to fundamental theory of ordinary and functional-differential equations. Series of numerical methods. Topics from stability, periodic solutions, or boundary-value problems. Applications to physics, engineering, biology. (Lec. 3) Prerequisite: Math 244 and permission of instructor. STAFF

b. Changes

MTH 461 Methods of Applied Mathematics Sem. I 3 credits  
from current description to read as follows:  
A discussion of most of the following topics: vector analysis, elementary complex analysis, Fourier series, Laplace transforms, special functions, elementary partial differential equations. Emphasis is on the development of techniques rather than on mathematical theory. (Lec. 3) Prerequisite: Math 244. STAFF

MTH 535, 536 Measure Theory and Integration Sem I, II 3 credits  
Change to read as follows:  
Elements of topology and linear analysis. Lebesgue measure and integration in  $R$ , in  $R^h$ , and in abstract spaces. Convergence theorems. Bounded variation, absolute continuity, and differentiation. Lebesgue-Stieltjes integral. Fubini and Tonelli theorems. The classical Banach spaces. (Lec. 3) Prerequisite: MATH 336. STAFF

### 3. Department of History

#### a. Changes

HIS 991 Conference on the Social Studies to:

HIS 491 Conference on the Social Studies

HIS 479 The Colonial Experience, Title change to read as follows:

HIS 479 (147) Imperialism and Its Impact upon Colonized Peoples Sem I 3 credits

### 4. Department of Art

#### a. Change

ART 403, 404, 405 and 406

Remove three credits so that these four courses may be enrolled for 3 or 6 credits rather than 3, 6, or 9 credits as presently indicated.

### 5. Department of Physics

#### a. Add

Non-thesis option for the Master's degree program in Physics.

The student shall complete 36 course credits, with at least one course requiring a substantial paper involving significant independent study. Twelve of the course credits shall be in 500 or 600 level physics courses that are in addition to those core courses required of all Master's degree candidates. In conjunction with the written Master's examination, the non-thesis student shall successfully complete a final oral examination that will not exceed one and one half hours in length.

### 6. Department of Sociology and Anthropology

#### a. Add

Non-thesis option for the M.A. program in Sociology, with the following requirements:

1. 30 credit hours in course work, including Sociology 571 - Seminar in Research Methods and at least two of the following: Sociology 502, 508, 510 and 512. (All 500-level courses in the department require significant independent work presented in a major paper.)

2. M.A. Reading List.

3. Each student's familiarity with this literature will be tested by means of four two-hour written examinations covering theory, methodology and two of the three other categories.

4. A two hour oral examination following the written examinations.

#### b. Change

Thesis Option for the M.A. program in Sociology to be changed from present requirements to read as follows:

1. 24 credit hours in course work; Sociology 571-572, Seminar in Research Methods and at least two of the following: Sociology 502, 508, 510 and 512. All 500-level courses in this department require significant independent work presented in a major paper.

2. Familiarity with the literature in theory and methodology on the M.A. Reading List of the department.

3. 6 credit hours for a thesis.

4. A 3-hour oral examination on the thesis and on the readings in theory and methodology.

7. Department of Zoology

## a. Add (New)

ZOO 463 Animal Ecology Sem II 3 credits  
Roles of animals in the structure and function of ecosystems. The adaptations of animals to their environments and the effects of limiting factors. Analysis of animal populations and communities. Use of statistical techniques. Readings in primary source materials, laboratory and field studies. (Lec. 2, Lab. 3) Prerequisite: Botany or Zoology 262 or permission of instructor. SHOOP

ZOO 552 Pathology of Endocrine Functions Sem II 3 credits  
The anatomical, physiological, developmental and behavioral changes associated with disorders of hormone production in vertebrates, primarily in mammals. (Lec. 3) Prerequisite: Zoology 545 or permission of instructor. LAROCHE

## b. Change

ZOO 482 Systematic Entomology to be changed as follows:  
Change prerequisite from ZOO 481 to ZOO 354 or 381 or Graduate Standing.

B. COLLEGE OF ENGINEERING1. Department of Ocean Engineering

## a. Deletion

OCE 503, 504 (203, 204) Ocean Engineering Principles

2. Department of Industrial Engineering

## a. Changes

IDE 550, 551 Advanced Topics in Probabilistic Operations Research I and II  
Change prerequisite to read: "Prerequisite: IDE 411; MTH 215 or equivalent.

IDE 633 Advanced Statistical Methods for Research and Industry  
Change course number from IDE 633 to IDE 533 and change the description to read as follows:  
Estimation and testing; regression and correlation; analysis of variance and related topics. Applications in industrial operations and engineering research.