

5-17-1973

## GRADUATE COUNCIL CURRICULUM REPORT #72-73-8

University of Rhode Island Faculty Senate

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RECEIVED

MAY 22 1973

UNIVERSITY OF RHODE ISLAND  
FACULTY SENATE

Serial Number 72-73--50

UNIVERSITY OF RHODE ISLAND

FACULTY SENATE

BILL

Adopted by the Faculty Senate

RECEIVED  
UNIVERSITY OF R. I.  
MAY 21 1973  
OFFICE OF THE PRESIDENT

TO: President Werner A. Baum  
FROM: Chairman of the Faculty Senate

1. The Attached BILL, titled GRADUATE COUNCIL CURRICULUM REPORT #72-73--8

\_\_\_\_\_ 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 73-5-17 (date).
- 4. After considering this bill, will you please indicate your approval or disapproval. Return the original or forward it to the Board of Regents, 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 73-6-7 (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 Regents for their approval; or (4) the University Faculty petitions for a referendum. If the bill is forwarded to the Board of Regents, it will not become effective until approved by the Board.

May 18, 1973  
(date)

Stephen B. Wood /s/  
Chairman of the Faculty Senate  
Stephen B. Wood

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 Regents is not necessary.

5/22/73  
(date)

Werner A. Baum /s/  
President

(OVER)

ALTERNATE ENDORSEMENT 1.

TO: Chairman of the Board of Regents.

FROM: The University President

1. Forwarded.

2. Approved.

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

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ENDORSEMENT 2.

TO: Chairman of the Faculty Senate

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

1. Forwarded.

\_\_\_\_\_/s/  
(date) \_\_\_\_\_  
(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 Regents.

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

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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

RECEIVED

UNIVERSITY OF RHODE ISLAND  
The Graduate School

MAY 1 1973

UNIVERSITY OF RHODE ISLAND  
FACULTY SENATE

CURRICULAR REPORT FROM THE GRADUATE COUNCIL TO THE FACULTY SENATE  
Report No. 1972-73-8

At its Meeting No. 112 on April 27, 1973 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.)

A. Graduate School of Oceanography

OCG 695 Seminar in Oceanography add:

"Attendance is required of all students in graduate residence, but no more than four credits are allowed for a program of study."

B. College of Home Economics

1. Department of Textiles, Clothing and Related Art

a. Experimental Course

TXC 422 Retail Experience

I and II, 3

Opportunity to gain knowledge in retailing of textile and apparel items through supervised field experience and seminar. Seminars concerned with aspects of retailing related to organizations where employed. Prerequisite TXC 322 or permission of instructor. (Seminar & Lab Arranged) Staff

II. Matters Requiring Confirmation by the Faculty Senate

A. College of Arts & Sciences

1. Department of Microbiology and Biophysics

a. Add (New)

MIC 401 Advanced Bacteriology

I, 4

Advanced treatment of growth, cytology, physiology, genetics and classification of bacteria. (Lec 3, Lab 3) Prerequisite: MIC 201, BCH 311, or permission of instructor. Shivers

b. Change

Change in credits from 3 to 4 and credit distribution from (Lab 6) to (Lec 2, Lab 4) in MIC 621 Systematic Bacteriology

2. Department of Mathematics

## a. Add (New)

MTH 513 Linear Algebra

I or II, 3

Topics covered include: linear spaces and transformations, linear functionals, adjoints, projections, diagonalization, Jordan form of matrices, inner products; positive, normal, self adjoint and unitary operators; spectral theorem, bilinear and quadratic forms. (Lec 3) Staff

3. Department of Music

## a. Add (New)

MUS 499 Pedagogy of String Instruments and Performance  
of String Literature

SS, 4

Exploration and implementation of successful methods of teaching orchestral string instruments combined with concentrated rehearsals and performance of classic and contemporary literature for strings. Admission: Audition by tape or by appointment. Degree of achievement open, but some college-level experience in string performance expected. Buck (Lec 4)

4. Department of Zoology

## a. Crosslisting

MCE 427 (or Zoo 427) Modeling and Analysis of Dynamic  
Systems

I, 3

Modeling and analysis of complex dynamic systems with emphasis on feedback characteristics, modeling techniques and computer simulation. Examples drawn from engineering, ecological, biological and economic systems. Prerequisite: MTH 142 and elementary computer programming. Palm (Lec 3)

B. College of Engineering1. Department of Mechanical Engineering & Applied Mechanics

## a. Add (New)

MCE 427(Zoo 427) Modeling and Analysis of Dynamic Systems

I, 3

Modeling and analysis of complex dynamic systems with emphasis on feedback characteristics, modeling techniques and computer simulation. Examples drawn from engineering, ecological, biological and economic systems. Prerequisite: MTH 142 and elementary computer programming. Palm (Lec 3)

## b. Change

MCE 656 to be changed to:

MCE 553(656) Flow of Compressible Fluids II, 3

Fundamental equations of compressible fluid flow.

Solutions of these equations for subsonic, transonic,

supersonic, and hypersonic velocities. (Lec 3) Prerequisite:

MCE 551 or permission of Instructor. Staff

2. Department of Civil and Environmental Engineering

## a. Add (New)

CVE 699 Doctoral Dissertation Research I and II,

Number of credits is determined each semester in consultation with the major professor or program committee.

3. Department of Chemical Engineering

## a. Change

Credit and description changed to:

CHE 464 Industrial Reaction Kinetics I, 3

Modelling of simple chemical-reacting systems; comp-

utation of design parameters to satisfy system constraints

and typical restraints (e.g., product rate and distribution)

and conditions of optimality. (Lec 3) Prerequisite: CHE 314,

Shilling

C. College of Home Economics1. Department of Textiles, Clothing and Related Art

## a. Change

TXC 403 changed to TXC 503 Advanced Textiles

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The following course is listed subject to approval by the Graduate Council at its Meeting on May 11, 1973.

(Add) New                      College of Arts & Sciences                      Department of Languages

LIN 497, 498 Directed Study                      I and II, 3 each

Individual research and reports on problems of special interest.

Prerequisite: LIN 409 and acceptance of a project by a member of the staff and department approval. Staff