1973

Graduate Council Curricular Report #72-73--5

University of Rhode Island Faculty Senate

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To: President Werner A. Baum
From: Chairman of the Faculty Senate

1. The Attached BILL, titled Graduate Council Curricular Report #72-73--4

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 ___________.

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 ___________, 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.

March 16, 1973

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.

March 16, 1973

(over)

Form Revised 6/71
ALTERNATE ENDORSEMENT 1.

TO: Chairman of the Board of Regents.

FROM: The University President

1. Forwarded.

2. Approved. /s/ President

(date)

ENDORSEMENT 2.

TO: Chairman of the Faculty Senate

FROM: Chairman of the Board of Regents, 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 Regents. /s/ President

(date)

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
CURRICULAR REPORT FROM THE GRADUATE COUNCIL TO THE FACULTY SENATE
Report No. 1972-73-4

At its Meeting No. 107 on January 19, 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. College of Arts & Sciences
      I. Department of Botany
         a. Change

BOT 559 Physiological Ecology of Marine Macroalgae- change semester from II to I

   2. Department of Languages
      a. Change

FOR 497, 498 - change prerequisite to: Prerequisite: one of the following: FOR 301, 302, 325, 326, acceptance of a project by a member of the staff and departmental approval.

FRN 431, 432 French Literature of the Seventeenth Century I and II 3 each description changed to - Special attention to principal literary movements of the century as illustrated by leading writers of the period. Semester I will deal with the theater of Corneille, Racine and Moliere. Semester II will cover the Moralistes and other representative writers. (Lec 3) Prerequisite: FRN 325 or 326 or permission of instructor. FRN 431 not a prerequisite for FRN 432. Not for graduate degree program credit in French. In alternate years, next offered 1973-74. Morello

II. Matters Requiring Confirmation by the Faculty Senate
   A. College of Arts & Sciences
      I. Department of Botany
         a. Add (New)

BOT 418 Marine Botany II, 3 Field and laboratory study of marine algae and certain other plants with emphasis on classification and use of keys, and with consideration of their morphology, ecology and physiology. (Lec 2, Lab 3). Prerequisite: BOT III or BIO 101 and junior standing. Alternate years, next offered 1973-74. Wood
BOT 419 Freshwater Botany, II, 3
Field and laboratory study of freshwater algae, and certain other plants, with emphasis on classification and use of keys, and with consideration of their morphology, ecology, and physiology. (Lec 2, Lab 3). Prerequisites: BOT III, or BIO 101 and junior standing. Alternate years, next offered 1974-75. Wood

BOT 421 Advanced Practicum in Aquatic Plant Ecology II, 3
Experience in team research involving group selection of field project, preparation of proposal, design of experiment, investigation, and final report. (Lab 6) Prerequisite: BOT 417 or equivalent. Alternate years, next offered 1973-74. Wood

BOT 520 Tidal Marsh Plant Ecology SS, 3
The flora and vegetation of tidal marshes and consideration of the ecological, geological, historical and sociological aspects. (Lec 3) Prerequisites: Senior standing or permission of instructor. Staff

BOT 616 The Biogeography of Marine Algae II, 3
The marine algae of the world, with consideration of the global distribution of taxa, geographic-ecologic ranges, and economic aspects. (Lec 2, Lab 3) Prerequisite: permission of instructor. Alternate years, next offered 1974-75. Wood

b. Change
BOT 417 - change in title, credit distribution and description to -
BOT 417 Methods in Aquatic Plant Ecology I, 3
Field and laboratory work in marine and freshwater ecology. Designed to provide practical experience in aquatic biology. Provides the practicum for Bot 315. (Lab 6) Prerequisite: Prior or concurrent enrollment in BOT 315, or equivalent. Wood

c. Deletion
BOT 416: Phycology (contingent upon approval of BOT 418, 419)

2. Department of History
a. Add (New)

HIS 457 History of Religion in the United States I, 3
Background, emergence of evangelical Protestant synthesis, disintegration of this synthesis and development of pluralistic religious community in modern America. (Lec 3) Findlay

b. Deletion
HIS 476: Southwest Asia and North Africa to 1683
3. **Department of Music**
   a. Add (New)

**MUS 539** Advanced Principles of Music Education I  I, 3
Study and analysis of philosophical, psychological, and historical foundations of music education. Development and significance of objectives and principles of music education in the United States. (Lec 3) Prerequisite: Graduate standing in music. Motycka

**MUS 540** Advanced Principles of Music Education II  II, 3
Critical study of principles of objectives, program, method, administration, supervision, and evaluation of music education in the United States. (Lec 3) Prerequisite: MUS 539. Motycka

**MUS 545** Musical Aptitude and Achievement  I, 3
Intensive analysis of musical aptitude and achievement, from a thorough examination of existing devices to the consequent realization of research data via basic statistical concepts. (Lec 3) Prerequisite: Graduate standing in music, EDC 371 or PSY 434 or equivalent. Motycka

**MUS 548** Research in Music Education  II, 3
Examination of research techniques as applied to the art of music. Familiarization with extant major project procedures and data in the research categories: historical, analytical, experimental, descriptive, and philosophical. (Lec 3), Prerequisite: MUS 545. Motycka

4. **Department of Psychology**
   a. Add (New)

**PSY 678** Seminar: Physiology of Learning and Memory II, 3
Examination of theories of learning and memory in terms of biochemical changes and neurological processes. Neuroanatomy and function of higher brain systems are reviewed and related to learning and memory processes. (Lec 3) Prerequisite: PSY 381 or permission of instructor. Alternate years, next offered 1973-74. Swonger

5. **Department of Mathematics**
   a. Add (New)

**MTH 423** Introduction to Differential Geometry I, 3
Calculus on Euclidean space, curves and surfaces, Frenet formulas, normal and Gaussian curvature. Differentiable manifolds, tangent spaces, vector fields and integral curves. (Lec 3) Prerequisite: MTH 215 and 243. Staff
6. **Department of Languages**  
   a. **Change**  
   POR 495 renumbered to POR 301

7. **Department of Chemistry**  
   a. **Change**  
   CHM 651, 652 - number, title and description change to -  
   CHM 551, 552 (651, 652) Non-thesis Master's Research I and II, 3 each  
   Research on original problem for fulfillment of research requirement  
   of non-thesis master's degree. Literature survey, laboratory work and  
   detailed report required. (Lab 9). Prerequisite: Permission of department.

Reduction in credit for seminar from 2 to 1 for the M.S. degrees in chemistry.  
On page 25 of the Graduate School Bulletin change program requirements for  
the M.S. degrees in chemistry to read:

Program requirements for thesis option (30 credit hours), CHM 641 or 642  
and thesis; for non-thesis option (36 credit hours), CHM 641 or 642, 651, 652.

b. **Deletion**  
   CHM 653, 654 Research (contingent upon 500 level approvals)

B. **College of Resource Development**  
   I. **Department of Plant & Soil Science**  
      a. **Add (New)**  
      REM 491, 492 Special Projects and Independent Study I and II, 1-3  
      Laboratory, library and field facilities are available for special  
      projects concerned with resource mechanics. Not for graduate program  
      credit in Plant & Soil Science. (Lab 3-9) Prerequisite: Permission of  
      Plant and Soil Science Department. McKiel or Wilson

   2. **Department of Resource Economics**  
      a. **Add (New)**  
      REN 430 International Resource Development II, 3  
      Development of resources in rural communities with special  
      attention to coastal zone and marine resource development  
      in the developing nations: particularly in relation to national  
      planning and to world trade. Prerequisites: ECN 126 and  
      junior standing, or permission of instructor. Weaver
C. College of Business Administration
   1. Department of Accounting
      a. Add (New)

   ACC 548 Accounting for Non-Commercial Entities II, 3
   Principles and practices of fund accounting as applied to
   municipalities, educational institutions, hospitals and
   similar organizations, with particular emphasis upon
   municipal records and statements. (Lec 3) Prerequisite:
   Instructor permission. Staff

      b. Change
   ACC 544 renumbered to ACC 444: Topics in Federal Taxation

2. Department of Management Science
   a. Add (New)

   MGS 663 Management Information Systems II, 3
   Concepts and problems associated with the design,
   implementation, and management of information systems.
   (Lec 3) Prerequisite: MGS 979, equivalent or permission
   of instructor. Staff

D. College of Engineering
   1. Department of Mechanical Engineering & Applied Mechanics
      a. Experimental Course

   MCE 430X Industrial Control Systems I or II, 3
   Analysis of proportional and digital mechanical, electro-
   mechanical, hydraulic, fluidic, pneumatic and thermal
   control systems; transient and frequency response of
   linear systems, Laplace transforms, transfer functions,
   system stability, Boolean Algebra and switching functions.
   (Lec 3) Prerequisite: MCE 263, MTH 244 or equivalent. Staff

   Transfer this course to Section I, Matters of Information, since
   it is an experimental course.

E. Graduate Curriculum in Community Planning & Area Development
   a. Temporary changes in the requirements for the MCP degree.
   (Presented to the Faculty Senate contingent upon approval
   by the College of Resource Development on January 30, 1973.)

   The Interdisciplinary Seminar, CPL 604, will be cancelled for the spring semester
   1973 only and the full time students who matriculated in September 1972 will not
   be required to complete this course as a part of their program of study. As an
   alternative the following courses are required in place of the 8 credit seminar:
   CPL 652: Planning Seminar in Quantitative Methods and Techniques (3 cr) and
   CPL 692: Special Problems in Manpower Planning (3 cr). In addition students
   will be required to take one other course within the Curriculum from among the
   following: CPL 652a: Planning Seminar in Transportation (3 cr), CPL 636: Planning
   Seminar in Urban Design (3 cr), CPL 692a: Special Problems in Regional Science (3 cr).
F. Graduate Library School
   a. Change in elective content in the MLS program

Increase in the number of hours of outside electives in the Master of Library Science program from six to nine, and to permit students with unusually strong backgrounds in library knowledge and experience to take a still larger number of such electives, at the discretion of their program advisors. This change is made to provide for greater diversity and flexibility in the curriculum and to adapt the student's program better to his own capabilities, interests, and stage of professional development.

jmo