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Graduate Council Curricular Affairs Report, #70-71 - 5

University of Rhode Island Faculty Senate

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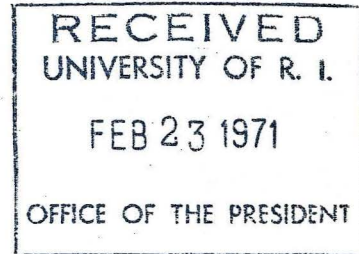
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UNIVERSITY OF RHODE ISLAND

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 Curricular Affairs Report, #70-71 - 5

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 February 18, 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 March 11, 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.

February 19, 1971 (date)

Walter C. Maxwell /s/ Chairman of the Faculty Senate



ENDORSEMENT 1.

TO: Chairman of the Faculty Senate

FROM: President of the University

1. Returned.

2. Approved [checkmark] Disapproved

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

2/23/71 (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 #70-71-5

January 8, 1971

CURRICULAR REPORT FROM GRADUATE COUNCIL TO FACULTY SENATE

At its Meeting No. 79 on January 8, 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. (For further details, consult the chairman of the department concerned.)

A. College of Arts & Sciences (Department of Chemistry)

Change in course numbers as follows:

Chem 402: Physical Methods of Inorganic Chem to Chem 504

Chem 433: Elem Chem Thermodynamics to Chem 533

Chem 522: Carbonium Ion Theory to Chem 622

Chem 631: Chem Kinetics to Chem 531

II. Matters Requiring Confirmation by the Faculty Senate.

A. Graduate Library School

1. Add (New)

LS 506 Technical Services Semesters I and II, 3 credits
Study of the principles and policies employed in the acquisition, organization, conservation, and circulation of book and nonbook materials in libraries of various kinds. (Lec 3)

LS 533 Children's Library Materials Semesters I & II, 3 credits
Books and related library materials in the area of creative literature for children: history, bibliography, selection, evaluation, and presentation. (Lec 3)

2. Deletion

LS 535: Literature for Children (formerly LS and CF 135)

B. College of Home Economics

1. Department of Food & Nutritional Science

a. Add (New)

EDC or FNS 531 Teaching of Nutrition Sem I or II 3 credits
Development of curriculums in nutrition education for teachers in grades K through 12 and appropriate programs for community nutrition educators. Emphasis is given to innovative teaching techniques using the latest nutrition knowledge. Prerequisite: Graduate Standing and Permission of Department. (Lec 3) Dymysza and MacKenzie

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

HMG 928-I (BED 928-I) Resources and Methods in Consumer Education 3 cr
Current materials and methods of teaching consumer education on the secondary level. Interdisciplinary course designed for home economics, business education, and social studies teachers. Prerequisite: Graduate Standing
Goertz and Langford July 26 -August 13

HMG 928-II (BED 928-II) Resources and Methods in Consumer Education 3 cr
Independent study in selected area of consumer education and development of materials suitable for use in teaching Consumer Education. (Lab 6)
Prerequisite: HMG 928-I (BED 928-I) Goertz and Langford Aug 16-Sept 3

C. College of Engineering

1. Department of Mechanical Engineering & Dept of Electrical Engr
a. Add (New)

ME 417 (or EE 417) Direct Energy Conversion Semester II 3 credits
A study stressing the physical understanding of processes by which energy is converted directly to electricity. Topics include fuel cells and thermoelectric, thermionic, photovoltaic, and magnetohydrodynamic generators. (Lec 3) Prerequisite: Background in electricity and magnetism, thermodynamics of fluid systems, and modern physics plus permission of instructor. Lessmann, Poularikas or Zirkind.

2. Department of Ocean Engineering
a. Add (New)

OCE 673 Advanced Course in Underwater Acoustic Propagation Sem I, 3 cr
Analysis of propagation from a concentrated acoustic source in the ocean by methods such as advanced normal mode theory, numerical integration and Fast Fourier Transforms. Applications to ocean features such as surface ducts, shadow zones, deep sound channel, etc. Prerequisite: OCE 571 or equivalent. DiNapoli

3. Department of Chemical Engr and Department of Ocean Engr
a. Add (New)

Ch. E. 535 (OCE 535) Advanced Course In Corrosion, Sem II, 3 cr
The various types of corrosion problems occurring in modern industry are examined in detail. An in-depth comparison is made of the various methods available to avoid, reduce or eliminate corrosion. Continuation of Ch. E./OCE 534. Prerequisite: Ch. E./OCE 534 or Permission of Instructor. Soltz

D. College of Arts & Sciences

1. Department of History
a. Add (New)

History 550 Seminar in Black Nationalism & the International Race Problem
Semester I, II 3 credits

An examination of the historical roots of black nationalism in the U. S. and the international implications of racial conflicts in selected areas of the world. (Lec 3) Prerequisites: ~~500 level course requirements.~~ Weisbord

Permission of Instructor

2. Department of Psychology

a. Add (New)

Psychology 445 Group Processes and Individual Behavior Sem I, II 3 cr
A systematic analysis of theories and research on the individual in the small face to face group; course will focus on interpersonal processes, group structure and dynamics. (Lec 3) Prerequisite: Psychology 113 (7), 210 (10), 251 (35) or Permission of the Instructor. Course may be taken for graduate credit. Lott

3. Department of Chemistry

a. Add (New)

Chemistry 508 Inorganic Reaction Mechanisms Semester II, 3 credits
Kinetics and mechanisms of reactions in aqueous solution will be treated with regard to techniques, results, and theoretical interpretation. Topics to be covered include instrumentation for studying rapid reactions in solution, relaxation methods, electron transfer rates, hydrolytic and solvolytic reactions, metal ion complexation, and reactions of biochemical significance. (Lec 3) Prerequisite: Chemistry 332 or the equivalent. Kirschenbaum

Chemistry 520 Radiochemistry Laboratory Semester II, 1 credit
Laboratory studies of the theory and principles of nuclear science as applied to various fields of Chemistry. Laboratory work with radioactivity, radiation detection and measurement, preparation and separation of radionuclides, instrumental neutron activation analysis, fission process, and uses of radioactive tracers. (Lab 3) Prerequisites: Chemistry 518 concurrently, Chemistry 332 and Physics 214 or Permission of the Instructor. Fasching

Chemistry 528 Organo-inorganic Chemistry Semester II, 3 credits
The interaction of organic and inorganic molecules will be discussed. The uniqueness of carbon and the effects that inorganic moieties have on bonded organic fragments will be described. Organometallic chemistry, the transition metal chelate complexes and carbon in combination with the representative elements will be considered. Model biochemical systems will be analyzed. (Lec 3) Prerequisites: Chem 401 and 422 or their equivalents. Rosen

4. Department of Physics

a. Add (New)

Physics 550 Physical Acoustics Semester I, 3 credits
Physical properties of gasses, liquids and solids as revealed by the propagation of acoustic waves. Ultrasonic generation and measurement techniques, irreversible thermodynamics, mechanisms for absorption and dispersion of acoustic waves. (Lec 3) Prerequisite: Permission of the Department. Letcher

5. Department of Geography

a. Add (New)

Geog 446 Geography of the Polar Regions Semester II, 3 credits
Systematic and regional surveys of the physical and biological environments of the Arctic and Sub-Arctic. Recent contributions to the geography of the Antarctic. (Lec 3) In alternate years, next offered 1971-72.
Prerequisite: Earth Science 101 or Permission of Instructor. Havens

b. Changes

Geog 403 (lab, lec and description change to read as follows)

Geog 403 Meteorology and Climatology I Semester I, 3 cr

Introduction to the basic meteorological processes, their spatial and temporal variations. Energy and moisture budgets at the surface of the earth. (Lec 3)

Prerequisite: Earth Science 101 or permission of the department. Havens

Geog 404 (title, description and prerequisite change to read as follows)

Geog 404 Meteorology and Climatology II Semester II, 3 credits

Selected topics in climatic classification, regional climate, microclimatology, climatic change, and applied aspects of meteorology and climatology. (Lec 3)

Prerequisite: Geography 403 Havens

c. Deletion

Geog 405: Seminar on World Climatic Classification & Distribution

6. Department of English

a. Add (New)

English 642, 643 Seminar in Modern Literature (American) Sem I and II 3 cr ea

Lectures, discussions, extensive readings, individual research, and a substantial research paper. (Lec 3) Prerequisite: Permission of the department.

7. Department of Sociology & Anthropology

a. Add (New)

Soc 412 Occupations, Professions, and Social Structure Sem I & II, 3 cr

Occupations provide a major link between the individual and the larger society.

Historical changes in work patterns, variability in the nature of work among occupations and between occupations and professions, career and mobility patterns, and reciprocal relations between an individual's occupational status and his participation in other societal institutions are examined. (Lec 3)

Rydell Prerequisites: One 200 level and one 300 level sociology course.

Soc 440 The Sociology of Mental Illness Sem I & II 3 cr

This course will present sociological theory and data on the socio-cultural aspects of mental illness. The phenomenon of mental illness will be considered in historical and cross-cultural perspective. Emphasis will be placed on the social correlates of different types and frequencies of mental illness, and on recent sociological research on mental illness as a social role. (Lec 3) Travisano Prerequisite: Sociology 202 or Sociology 204 and one 300 level course.

Anthropology 407: Economic Anthropology Sem I & II 3 cr

Introduction to theoretical concepts and methodologies used in the analysis of tribal and peasant economies, with emphasis on examination.

(NOTE: The attention of the Department of Sociology and Anthropology has been called to the length of the course descriptions. The department will furnish an appropriate version to the Faculty Senate via the CCA.)

8. Department of Economics

a. Change

Request that Economics 451, 452, 515, and 516 be classified as "S/U courses". These are all supervised research courses and do not lend themselves to precise grading.

9. Department of Chemistry

a. Non-thesis Master's Program in Chemistry

Traditionally the M.S. in Chemistry has been considered to be a scaled down version of the Ph.D. Research has been a requirement for both degrees but in many cases master's theses have been watered down to a point where the originality of the work has been questionable.

There is need for a M.S. degree of more typical form; such a degree should depend more strongly on course work and should appeal to students who are contemplating entering non-research sections of industry, high school teaching and technical sales.

It is not proposed that research be entirely eliminated as a requirement for this degree but that original research be replaced by six credits of "directed" research. The Department of Chemistry will continue to offer a thesis master's degree to those students who wish to qualify for a degree based on research. They feel that the addition of a non-thesis master's degree will strengthen their overall graduate program in chemistry.

Requirements:

A minimum of 36 credits. No more than one half of the courses may be at the 400 level or below. Only six credits of course work below the 400 level may be included. Two credits of seminar are required. Comprehensive examination in three areas of chemistry. A total of six credits must be taken in "directed" research (independent study). Upon completion of this work, the candidate must write a comprehensive report to cover the results obtained in his investigation.

E. Graduate Curriculum in Community Planning & Area Development

a. Add (New)

CPL 636 Planning Seminar in Urban Design Sem II, 3 credits
Significant concepts of historical and contemporary urban form ranging in scale from the city as a whole to architectural detail of public projects. Considerable use of slides and films to illustrate the visual impact and importance of excellence in design. Hammerschlag