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Curricula Report No. 1983-84-7 from the Graduate Council to the Faculty Senate

University of Rhode Island Faculty Senate

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UNIVERSITY OF RHODE ISLAND
Kingston, Rhode Island

FACULTY SENATE
BILL

Adopted by the Faculty Senate

TO: President Edward D. Eddy

FROM: Chairperson of the Faculty Senate

1. The attached BILL, titled Curricular Report No. 1983-84-7 from the Graduate Council to the Faculty Senate

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 19, 1984 (date).
4. After considering this bill, will you please indicate your approval or disapproval. Return the original or forward it to the Board of Governors, completing the appropriate endorsement below.
5. In accordance with Section 10, paragraph 4 of the Senate's By-Laws, this bill will become effective on May 10, 1984 (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 Governors for their approval; or (4) the University Faculty petitions for a referendum. If the bill is forwarded to the Board of Governors, it will not become effective until approved by the Board.

April 20, 1984
(date)

Marguerite Bumpus
Marguerite Bumpus
Chairperson of the Faculty Senate

ENDORSEMENT

TO: Chairperson of the Faculty Senate

FROM: President of the University

Returned.

a. Approved ☒ _____.

b. Approved subject to final approval by Board of Governors _____.

c. Disapproved _____.

4/25/84
(date)

Edward D. Eddy
President

UNIVERSITY OF RHODE ISLAND

The Graduate School

CURRICULAR REPORT FROM THE GRADUATE COUNCIL TO THE FACULTY SENATE - Report No. 1983-84-7

At its Meeting No. 234 held March 30, 1984 the Graduate Council considered and approved the following curricular matters which are now submitted to the Faculty Senate for information or confirmation as indicated.

I. Matters of Information.

A. College of Engineering.

1. Department of Chemical Engineering

a. Temporary Course

CHE 538X Hydrodynamic Stability I,3
Jump mass, momentum and energy balances. Theory of linear stability. Application to several hydrodynamic situations including liquid-vapor and liquid-solid interfaces. (Lec 3)
Pre: MTH 244, CHE 347, 348, 349 or permission of instructor. Bose

II. Matters Requiring Confirmation by the Faculty Senate.

A. College of Engineering.

1. Department of Civil and Environmental Engineering

a. Add (New)

CVE 665 Advanced Topics in Structural Dynamics I or II,3
Equations of motion of systems and continuous bodies; analytical and numerical solution methods; large deflections and plasticity; time stepping algorithms; active control of tall buildings; earthquake resistant structures; applications. (Lec 3) Pre: CVE 565. Karamanlidis

b. Change

CVE 565: Responses of Structures to Dynamic Loads - description, prerequisite, title to-

CVE 565 Structural Dynamics I or II,3
Simplified models and their equations of motion; analytical solution methods; Fourier analysis; Duhamel integral; nonlinearities; computer oriented solution algorithms and their implementation. Applications. (Lec 2, Lab 3) Pre: CVE 453. Staff

2. Department of Electrical Engineering

a. Deletion

ELE 542 Analog Filter Design
ELE 580 Experimental Animal Techniques

b. Add (New)

ELE 525 Fiber Optic Communication Systems II,3
Survey of important topics in optical communication devices and systems. The physical principles and operation of lasers, LEDs, fibers and detectors are covered. (Lec 3) Pre: 323, 331, 401 or equivalent. Lengyel

CURRICULAR REPORT FROM THE GRADUATE COUNCIL TO THE FACULTY SENATE - Report No. 1983-84-7

ELE 537 VLSI System Design I or II,3
Very large scale integration. Silicon technology; NMOS, CMOS, and bipolar devices; circuits, and digital subsystems; computer aided design and analysis of VLSI circuits; VLSI and digital system architecture. (Lec 3) Pre: Graduate standing or seniors with permission of the instructor. Sadasiv

ELE 539 Analog VLSI I or II,3
Theory and techniques of analog NMOS and CMOS integrated circuits. Device modeling, circuit simulation, and chip design are studied using amplifiers. A/Ds and switched capacitor circuits as examples. (Lec 3) Pre: ELE 537. Daly

c. Changes

ELE 510 Communication Theory - description changed to-

ELE 510 Communication Theory II,3
Communication theory for discrete and continuous channels. Optimum receiver principles and signal design. Channel models, modulation techniques, data compression, speech and image coding, architecture and topology of communication networks. (Lec 3)
Pre: 509. Staff

ELE 505 Design of Digital Circuits - number changed to ELE 545

ELE 508 Computer Architecture - number changed to ELE 548

ELE 601,602 Graduate Seminar - change in grading method to "only S/U grades"

ELE 691,692 Special Problems - change in grading method to "only S/U grades"

3. Department of Ocean Engineering

a. Change

OCE 605,606 Ocean Engineering Seminar - change in grading method to "only S/U grades"

B. College of Arts and Sciences.

1. Department of Microbiology

a. Add (New)

MIC 561 Recent Advances in Molecular Cloning I,1
Reports of readings concerning the latest developments in techniques of molecular cloning and their applications in the study of various biological systems. (Lec 1) Pre: MIC 552 or permission of instructor. Nelson

b. Changes

MIC 522 Microbial Genetics - description changed to -

Recent research on the mechanism of mutation, genetic recombination, the genetic code, transposons, regulations, genetic engineering and regulation of DNA, RNA and protein synthesis in micro-systems.

MIC 656 Mechanism of Bacterial Pathogenesis - add following word to sentence below:
"Study of recent research on the molecular mechanisms of pathogenesis."

2. Department of Biochemistry and Biophysics

a. Change

BCP 521 Introductory Biophysics - title, description, and prerequisite changed to-

BCP 521 Physical Biochemistry II,3
The use of diffusion, sedimentation, viscosity, electrophoresis, isoelectric focusing, chromatography, and spectroscopy, (including linear and circular dichroism) to determine the size, shape, structure, interactions and molecular weight of biological macromolecules. (Lec 3)
Pre: BCP 435 or equivalent. Hartman

C. Graduate Library School

1. Add (New)

LSC 698 DAL Research Project I and II
Research project for the Diploma in Advanced Librarianship resulting in a substantial paper. Number of credits is determined each semester in consultation with the major professor or program committee.

D. College of Human Science and Services

1. Department of Human Development, Counseling and Family Studies

a. Change in Program Requirements for the M.S. program (Counseling and Guidance)

Delete "EDC 529" and add "graduate level research course required"
(In this way the requirements would include alternative research courses to EDC 529.
EDC 529 is appropriate for some students, but inappropriate for others.)

2. Department of Education

a. Add (New)

EDC 531 School-Home Relations I or II,3
Seminar for school personnel, developmentalists, and family and community specialists interested in principles and techniques from research on school-home relations. (Sem) Pre: Permission of instructor or teaching certificate. Purnell

3. Department of Communicative Disorders

a. Add (New)

CMD 556 Electrophysiological Measures in Audiology II,3
Basic electrophysiologic procedures, instrumentation, electrocochleography, auditory brain stem responses, and middle, late and long-latency auditory evoked potentials. (Lec 2, Lab 2)
Pre: 551, 552 or permission of instructor. Hurley

E. College of Resource Development

1. Department of Food Science and Nutrition

a. Change in program requirements for the M.S. in Food Science and Nutrition to-

Program requirements: Thesis, FSN 503, 511, 512; minimum of 3 credits from biochemistry, chemistry, microbiology, pathology or physiology; minimum of 6 credits in food science (FSN 431, plus one 500-level course) or nutritional science (FSN 441, plus one 500-or 600 level course). If the student has taken the designated courses as an undergraduate, alternate courses should be in the same area.

F. College of Business Administration

1. Department of Finance and Insurance

a. Changes

FIN 540 Theory of Finance - to read I or II,2; PRE: ACC 610, ECN 590, MGS 520, and MGS 530.

FIN 601 Financial Management - to read- PRE: ACC 610, ECN 590, MGS 520, and MGS 530.

FIN 602 Advanced Financial Management to read - PRE: FIN 601 or equivalent.

FIN 622 Security and Investment Analysis to read- PRE: FIN 601 or equivalent.

FIN 625 Advanced Portfolio Theory and Security Analysis to read - I or II,3;
PRE: FIN 601 or equivalent. Staff

FIN 633 Depository Institutions and Financial Management to read - PRE: FIN 601 or equivalent.

FIN 637 Financial System and Markets - to read- FIN 632 ; PRE: FIN 601 or equivalent.

FIN 641 Advanced Financial Theory to read - I or II,3; PRE: FIN 540 or equivalent. Staff

FIN 652 Advanced International Financial Management to read - I or II,3; PRE: FIN 601 or equivalent. Staff

FIN 660 Managerial Economics to read - PRE: FIN 601, MGS 600, 620, and 640.

FIN 671 Seminar in Finance to read - PRE: FIN 601.

G. College of Nursing

1. Change

NUR 995 - change in grading method to "only S/U grades"

H. College of Pharmacy

1. Department of Pharmacy Practice

a. Change in course designations to PHP for the following courses:

PHP 501 (PAC 501): Drug Information Pertaining to Institutional Pharmacy Practice

PHP 570 (PAD 570): Case Studies in Pharmacy Law

PHP 530 (PHC 530): Behavioral Skills in Clinical Pharmacy

PHP 532 (PHC532/PCG 532): Pharmaceutical Sterile Products

PHP 542 (PHC 542): Drug Induced Diseases

PHP 599 (PAD 599): Masters Thesis Research

PHP 611, 612 (PHC 611, 612): Advanced Pharmacotherapeutics I and II

PHP 621, 622 (PAD 621,622): Seminar

PHP 625, 626 (PAD 625,626): Hospital Pharmacy Administration

PHP 651,652 (PAD 651,652): Health Care Systems I and II

PHP 671, 672 (PHC 671, 672): Integrated Medical Sciences I and II

PHP 680 (PAD 680): Legal Environment in Health Administration

PHP 681, 682 (PHC 681, 682): Clinical Pharmacy Seminar-I and II.

PHP 690, 691, 692 (PHC 690, 691, 692): Clerkship/Research I, II and III

PHP 697, 698 (PAD 697, 698): Research in Pharmacy Administration