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Curricular Report no. 1988-89-6 from the Graduate Council to the Faculty Senate

University of Rhode Island Faculty Senate

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Serial Number #88-89--30

THE 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. 1988-89-6 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 May 11, 1989 (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 June 1, 1989, 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.

May 12, 1989
(date)

C. B. Peters
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 _____.

9/5/89
(date)

Edward D. Eddy
President

Form revised 4/86

University of Rhode Island
The Graduate School

CURRICULAR REPORT FROM THE GRADUATE COUNCIL TO THE FACULTY SENATE
REPORT NO. 1988-89-6

At its Meeting No. 274 held on April 21, 1989 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 Civil and Environmental Engineering
a. Temporary Course

CVE 667X Probabilistic Methods in Structural Engineering
I or II,3
Probabilistic applications in structural analysis and design. Statistical models for forces and material strengths. Component and system structural reliability. Random vibration applications in structural engineering. (Lec 3) Pre: CVE 565, MTH 451 or equivalent or consent of instructor. Tsiatas

B. College of Arts and Sciences
1. Department of Chemistry
a. Temporary Courses

CHM 513X Data Acquisition and Processing for Chemical Analysis I
I,3
Interfacing computers. Software development for acquiring, converting and processing transducer signals for analytical analysis. Algorithms for statistical analysis, display and presentation of results will be covered. (Lec 3) Pre: Graduate standing or permission of instructor. Brown/Force

CHM 514X Data Acquisition and Processing for Chemical Analysis II
II,3
Interfacing microprocessor controlled instruments to computers. Software development for acquiring, transferring and processing extensive data sets. Telecommunications and major commercial processing software for data analysis will be considered. (Lec 3) Pre: CHM 513X. Brown/Force

II. **Matters Requiring Confirmation by the Faculty Senate.**

A. In accordance with Section 8.81.62 of the University Manual - deletion of the following courses:
AVS 501, AVS 502, AVS 510, AVS 542; BED 526, BED 528, BOT 538, BOT 559, BOT 640; CHE 575, CHE 581, CHE 582, CHE 585, CHE 649; CHM 622, CHM 628; CPL 547; CVE 678, CVE 685; EDC 527, EDC 913; EHS 562, EHS 563; ELE 514, ELE 535, ELE 575, ELE 631, ELE 632; FIN 685, FIN 686; FMT 515; FSN 505, FSN 521, FSN 531, FSN 575; GEL 527, GEL 566; GER 901, GER 902; HED 531; HSS 620; INS 685; LSC 516, LSC 527; MCE 582; NUR 657; OCE 653, OCE 654, OCE 685; PED 540, PED 543; PHL 562; PHP 532, PHP 625, PHP 626; PHY 550, PHY 585; PSC 510; PSY 682; SPE 599; [redacted] ZOO 510, ZOO 554, ZOO 569.

B. College of Pharmacy
1. Department of Pharmacy Practice
a. Add (New)

PHP 540 Principles, Methods, and Applications of Epidemiology
I,3
An introduction to epidemiology, the study of health and disease in populations. Epidemiologic methods and research design for conducting and interpreting health research. (Lec 3) Pre: EST 407 or permission of instructor. Willey

C. College of Human Science and Services
1. Department of Communicative Disorders
a. Change in degree requirements for M.S. and M.A. in Speech-Language Pathology and Audiology

Clinical practicum requirement changed from 300 to 350 clinical clock hours.

D. College of Arts and Sciences
1. Department of Botany
a. Deletion

BOT 593,594 Botanical Problems

b. Add (New)

BOT 593 Special Topics I and II, 1-3
Covers the following specialized areas of botany: (a) recent advances in mycology, (b) physiological ecology of marine macroalgal, (c) nutrient ecology of plants, and (d) ecology of fungi. May be repeated up to a maximum of 9 credits. Pre: Permission of instructor. Staff

E. College of Engineering

1. Departments of Civil and Environmental Engineering and Ocean Engineering

a. Deletions

CVE 586 Physio-Chemical Properties of Soils
CVE 685 Seminar in Marine Geotechnique
CVE 686 Constitutive Laws for Geologic Materials

b. Add (New)

CVE 687 Geotechnical Earthquake Engineering I,3
Seismology and seismicity; surface faulting and ground motion characteristics; response spectra; dynamic soil properties; dynamic response of soil layers, embankments and slopes; influence of local soil conditions on site response; evaluation of design earthquakes; response analysis. (Lec 3) Pre: CVE 483. Kovacs/Tsiatas/Veyera

OCE/CVE 688 (OCE/CVE 589X) Marine Geomechanics I or II,3
Integrated study of marine geotechnics and marine geology. Topics include sedimentary processes, acoustic characteristics, slope stability, consolidation and stress history, engineering properties and other subjects related to seabed utilization. (Lec 3) Pre: CVE 381 or permission of instructor. Silva

OCE/CVE 689 Selected Topics in Geomechanics I or II, 3
Advanced topics in geotechnical engineering, including state-of-the art techniques, methods of analysis and design with applications to professional practice. Specific topic(s) will be selected based on student interest. (Lec 3) Pre: CVE 381 or equivalent. Kovacs/Silva/Veyera

c. Changes

CVE 581 Experimental Geomechanics - crosslisting, description and prerequisite to read:

CVE/OCE 581 Experimental Geomechanics I or II,3
Advanced methods and techniques of geotechnical testing. Behavior of granular and cohesive soils with determination of engineering properties. Interpretation, evaluation and engineering applications of test data. Emphasis on shearing strength, consolidation, bearing capacity, earth pressures, seepage and slope stability. (Lec 2, Lab 3) Pre: CVE 381 or equivalent. Kovacs, Silva, Veyera

OCE 587 Submarine Soil Mechanics - number, crosslisting, title, description to read:

OCE/CVE 582(OCE 587) Seabed Geotechnics I or II,3
Geotechnical Engineering principles as applied to submarine slope stability, bearing capacity, anchoring; with emphasis on effective stress principle, compressibility and shear strength of marine sediments. (Lec 3) Pre: CVE 381 or equivalent. Silva

CVE 583 Advanced Foundation Engineering - crosslisting, semester, description, and prerequisite to read:

CVE/OCE 583 Advanced Foundation Engineering I or II,3
Applications of soil mechanics principles to analysis and design of pile foundations, drilled piers, flexible retaining structures, braced excavations, cofferdams, miscellaneous advanced foundation problems. (Lec 3) Pre: CVE 381 or equivalent. Kovacs, Silva, Veyera

CVE 585 Soil Dynamics - semester, prerequisite to read:

CVE 585 Soil Dynamics I or II,3
Vibration characteristics, wave propagation in soils, foundation vibration theory, foundation design for vibrating loads, vibration isolation, blast vibrations, dynamic soil properties, liquefaction potential, vibratory and dynamic compaction, computer implementation. (Lec 3) Pre: CVE 483 or equivalent. Kovacs, Veyera

CVE 681 Advanced Soil Mechanics I - title, semester, description to read:

CVE 681 Advanced Geotechnical Engineering I I or II,3
Advanced study of geotechnical principles and theory. Physical and chemical properties of soils; particulate mechanics; effective stress principle; permeability; steady state and transient seepage; consolidation; stress distribution; miscellaneous topics. (Lec 3) Pre: CVE 381 or equivalent and permission of instructor. Kovacs, Silva, Veyera

CVE 682 Advanced Soil Mechanics II - title, semester, description to read:

CVE 682 Advanced Geotechnical Engineering II I or II,3
Advanced study of geotechnical engineering principles and theory. Stress-strain behavior; constitutive relationships; failure theories; applications of theories of elasticity, viscoelasticity and plasticity; shear strength of sands; shear strength of clays; slope stability analysis; miscellaneous topics. (Lec 3) Pre: CVE 381 or equivalent and permission of instructor. Kovacs, Silva, Veyera

2. Departments of Ocean Engineering and Mechanical Engineering and Applied Mechanics
   a. Change

OCE/MCE 540 Environmental Control in Ocean Engineering - title to read:

OCE/MCE 540 Underwater Life Support