2013

Curricular Report No. 2012-13-6 from the Graduate Council to the Faculty Senate.

University of Rhode Island Faculty Senate

THE
UNIVERSITY
OF RHODE ISLAND

THINK BIG WE DO

Serial Number #12-13--31

TO: President David Dooley

FROM: Peter Larsen, Chairperson of the Faculty Senate

1. The attached BILL titled, Curricular Report No. 2012-13-6 from the Graduate Council to the Faculty Senate, is forwarded for your consideration.

2. This BILL was adopted by vote of the Faculty Senate on April 18, 2013,

3. 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.

4. In accordance with Section 10, paragraph 4 of the Senate's By-Laws, this bill will become effective May 9, 2013, 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 22, 2013
(date)

Peter Larsen
Chairperson of the Faculty Senate

ENDORSEMENT

TO: Chairperson of the Faculty Senate

FROM: President of the University

a. Approved ✓.

b. Approved subject to notice to the Board of Governors ___.

c. Approved subject to final approval by Board of Governors ___.

d. Disapproved ___.

4.30.13
(date)

President

Form revised 1/13

GRADUATE COUNCIL CURRICULUM REPORT #6

February 2013

I. 500/600-level courses

Changes:

1) College of Engineering
   Ocean Engineering

OCE 515 Marine and Vehicle Hydrodynamics – change in course code from OCE 515 to EGR 515. Change in title to Hydrodynamics. Change in catalog description and prerequisites to read: EGR 515: Hydrodynamics LEC: (3 crs.) Hydrodynamics of fixed and floating structures. Transport theory, viscous, inviscid, and ideal fluid flows based on continuum mechanics. Specific topics include lifting surfaces, added mass, and boundary layer theory, turbulence, linear wave theory, forces on a submerged body (Lec. 3). Pre: MCE 354 or equivalent or permission of instructor.

2) College of Human Science and Services
   Human Development and Family Studies

HDF 577 Topics in Higher Education – approval for the addition of an open-ended course topic titled 'Gender and Sexuality in Education'

New Courses:

1) Graduate School
   Neuroscience

NEU 591 Special Projects in Neurosciences (1-6)
Advanced work under the supervision of a faculty member arranged to suit the individual requirements of the student. (Independent Study)

2) Graduate School of Oceanography

OCG 512 (OCE 512) Ocean Waves and Storm Surge Modeling (3)
Wind wave generation, evolution, and dissipation. Statistical description of surface waves. Interaction between waves and currents. Wave prediction models. Observational methods of waves. Storm surge models and prediction. (Lec. 3) Pre: OCE 408 or equivalent, or permission of instructor.

3) College of Arts and Sciences
   Chemistry

CHM 500 Chemical Safety and Research Ethics (1)
This course will equip first-year graduate students with the necessary hygiene and safety skills, and ethical standards for performing chemical research. Essential skills for success as a professional chemist. Pre: Graduate standing or permission of instructor.

CHM 505 Chemical Synthesis and Mechanism (3)
The theory and design of modern synthetic schemes. Emphasis will be placed on broadly used reactions that can be applied to interdisciplinary bioorganic, organomettalic and materials chemistry research. Pre: CHM 427 or permission of instructor.

CHM 506 Chemical Analysis (3)
Fundamentals principles governing methods and instrumentation used for chemical analysis. Pre: CHM 412 or permission of instructor.

CHM 507 Chemical Structure and Material Property (3)
Fundamentals and applications of chemical thermodynamics, molecular structures, chemical transformations, principles and practice of computational chemistry. Pre: CHM 432 or permission of instructor.