

4-16-2015

Curricular Report No. 2014-15-9 from the Graduate Council to the Faculty Senate.

University of Rhode Island Faculty Senate

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Serial Number #14-15—26A

TO: President David Dooley
FROM: Bahram Nassersharif, Chairperson of the Faculty Senate

1. The attached BILL titled, Curricular Report No. 2014-15-9 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 16, 2015.
3. After considering this bill, will you please indicate your approval or disapproval. Return the original, 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 7, 2015 three weeks after Senate approval, unless: (1) specific dates for implementation are written into the bill; (2) you return it disapproved; or (3) the University Faculty petitions for a referendum.


Bahram Nassersharif
Chairperson of the Faculty Senate

April 16, 2015

ENDORSEMENT

TO: Chairperson of the Faculty Senate

FROM: President of the University

- a. Approved .
- b. Approved subject to Notice of the Council on Postsecondary Education ____.
- c. Disapproved ____.


Signature of the President

4.17.15
(date)

GRADUATE COUNCIL CURRICULUM REPORT #9, March 2015

Changes:

College of Engineering
Civil and Environmental Engineering

CVE 552 Structural Timber Design

Change in prerequisite to “CVE 354 or permission of instructor.”

CVE 563 Prestressed Concrete

Change in prerequisite to “CVE 465 or permission of instructor.”

CVE 564 Advanced Reinforced Concrete

Change in prerequisite to “CVE 465 or permission of instructor.”

CVE 565 Structural Dynamics

Change in prerequisite to “CVE 453 or permission of instructor.”

CVE 582 (OCE 582) Seabed Geotechnics

Change in title to “Marine Geotechnics.”

Change in description to “Geotechnical engineering principles as applied to marine problems. Site survey and in-situ testing, soil properties, shallow foundations and deadweight anchors, piles and pile anchors, direct and drag embedment anchors, scour.”

CVE 651 Design of Highway Bridges

Change in course number to “CVE 566.”

Change in prerequisite to “(CVE 453, 460, and 465) or permission of instructor.”

College of Arts and Sciences
Physics

PHY 510 Mathematical Methods of Physics I

Change in description to “Topics designed to include applications in physics: linear algebra; determinants, matrices, eigenvalues; properties of finite and infinite bases; basics of numerical linear algebra; probability and statistics; Monte Carlo methods.”

PHY 565 Photomedicine

Change in title to “Radiation Detection, Instrumentation and Data Analysis.”

Change in description to “Provide the student a base knowledge of radiation detection as it pertains to radiation therapy, diagnostic imaging, and nuclear medicine.”

Change in prerequisite to “Permission of instructor.”

PHY 625 Statistical Physics II

Change in description to "Statistical physics of soft condensed matter: colloids, polymers, gels, liquid crystals, amphiphiles, biological matter. Interactions, conformations, hierarchical structures, phase transitions, aggregation, self-assembly, kinetics, transport."

Change in prerequisite to "PHY 525."

New Courses

College of the Environment and Life Sciences
Nutrition and Food Science

NFS 559X Standards for Dietetics Research and Practice (1 cr.)

Review of standards governing dietetics research and practice including human subjects, HIPAA, and the Code of Ethics. (Online 1) Pre: Enrolled in the MS in Dietetics Program

Natural Resources Science

NRS 543 Public Engagement with Science (3 crs.)

Theoretical and practical aspects of public engagement with science, policy, and management, with an emphasis on communication. (Lec. 3) Pre: Graduate Standing or permission of instructor.

College of Pharmacy
Biomedical and Pharmaceutical Sciences

BPS 557 Modern Spectroscopic Techniques in Drug Discovery (3 crs.)

Introduces spectroscopic techniques needed to understand data from contemporary biomedical science research, especially macromolecular NMR spectroscopy. Focused on developing data interpretation skills, and the ability to critically evaluate current practices. (Lec. 3) Pre: organic chemistry, CHM227 or equivalent, or permission of instructor. Open to undergraduates in Chemistry and BPS program at the junior and senior levels.

Additional Curricular Matters

1) College of Engineering Electrical Engineering

Notice of Change for Electrical Engineering Graduate Program

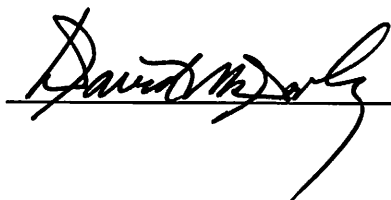
Date: February 5, 2015

A. PROGRAM INFORMATION

- 1. Name of institution** University of Rhode Island
- 2. Name of department, division, school or college**
Department: **Electrical, Computer and Biomedical Engineering**
College: **College of Engineering**
- 3. Intended initiation date of program change. Include anticipated date for granting first degrees or certificates, if appropriate.**
Initiation date: **Fall 2015 semester**
First degree date: **not applicable**
- 4. Intended location of the program**
Current location (Kelley Hall)
- 5. Summary description of proposed program (not to exceed 2 pages).**
see attached

If applicable, please include the existing URI catalog language and proposed catalog language changes that relate to your request.

6. Signature of the President


_____ David M. Dooley

Summary Description: The proposed changes are to the existing language in the University Catalog that describes the Electrical Engineering (ELE) Graduate Program. The two proposed changes will clarify the ELE Department's policies and requirements for the Master of Science degree in Electrical Engineering; these changes do not alter the existing requirements for the MS degree.

1. The "Program requirements" paragraph under the "Master of Science" section includes the following language:

"One credit of the departmental seminar (ELE 601 and/or 602) is required of all students. Up to two credits of seminar may be used toward the 30-credit master's requirement."

Under this proposal, this language will be changed to:

"One credit of the departmental seminar (ELE 601 or ELE 602) is required of all students. Up to two credits of seminar (one each of ELE 601 and ELE 602) may be used toward the 30-credit master's requirement."

This change clarifies how the departmental seminar courses may be used to satisfy the Program requirements.

2. The "Program requirements" paragraph under the "Master of Science" section includes the following statement:

"For the thesis option, the thesis counts as six to nine credits."

Under this proposal, this statement will be changed to:

"For the thesis option, the thesis counts as six to nine credits, but more than six credits requires prior written justification and approval by the student's thesis committee, and the Graduate Program Director or Department Chair."

A typical ELE Masters thesis currently corresponds to six credit hours. If the research is more involved, then it is justified to allow additional (up to three) credits. This language change clarifies when and how more than six credits are allowed for thesis research.