Curricular Report No. 2017-18-5 from the Graduate Council to the Faculty Senate

University of Rhode Island Faculty Senate

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The attached BILL titled, Curricular Report No. 2017-18-5 from the Graduate Council to the Faculty Senate, was adopted by vote of the Faculty Senate on January 25, 2018.

The Bill is effective on the date of signature below.

Mark Conley
Chairperson of the Faculty Senate

January 25, 2018
400 level course changes

College of Environmental and Life Sciences

NRS 402       Old Title: Wildlife Biometrics
               New Title: Quantitative Wildlife Ecology
New Description: Overview of statistical design and analysis of ecological field measurements with an emphasis on probabilistic models used in wildlife population research and conservation. Capstone. (Lec. 2, Lab. 3) Prerequisites: BIO 262 or NRS 223, STA 308 or 409, or permission of instructor.

College of Education and Professional Studies

EDC 424       Teach Literacy-Primary Grades
New prerequisites: Elementary education majors: EDC 312 or 512, and 423; Early childhood education majors: HDF 420 or EDC 423; Non-elementary or early childhood education majors; graduate standing or permission of instructor.

College of Engineering

ELE 408       Old title: Computer Organization
               New title: Embedded System Design
Change in title.

ELE 409       Old title: Computer Organization Laboratory
               New title: Embedded System Design Laboratory
Change in title.

ELE 437/CSC 437       Old title: Computer Communications
               New title: Introduction to Computer Networks
Change in title.

MCE/CHE 471 Nuclear Reactor Engineering
Cross list with NUE 471.
Drop MCE 341 and CHE 313 as prerequisite.

MCE/CHE 472 Power Plant System Design and Safety Analysis
Cross list with NUE 472.

MCE/CHE 473 Nuclear Fuel Cycle and Performance
Cross list with NUE 473.
Drop MCE 341 or CHE 313 as prerequisites.

College of Arts and Sciences

LIN 420       Old title: Second Language Acquisition
               New title: Second Language Acquisition and Assessment
Cross list with EDC 420
**400 level New courses**

**College of Engineering**

**ISE 461 G  Solar Energy Systems**
Description: The study of renewables via solar energy systems. Methods, economic criteria, and background for assessing the systems of solar energy conversion technologies both in local and international settings. Prerequisites: Junior standing, PHY 204, MTH 142, or permission from instructor. (Lec. 3)

**500/600 level course changes**

**College of Environmental and Life Sciences**

**NRS 532  New Code: BES 532**
**Old title: Conservation Biology and Resource Economics**
**New title: Advanced Conservation Biology**
Change in credits from 2 to 3.
New prerequisites: Permission of instructor.

**College of Education and Professional Studies**

**EDC 516  Old title:  Teaching Dual Language/ English as a Secondary Language**
**New title:  Teaching Bilingual and Dual Language/English as a Secondary Language**
Change credits from 4 to 3
New description: Methods and materials for those who plan to teach ESL, bilingual, or dual language immersion. Students develop a unit plan demonstrating appropriate teaching and assessment strategies. (Online)

**500/600 level course change**

**College of Engineering**

**ELE 549  Computer System Modeling**
New description and prerequisites: Fundamental understanding of computer systems with limited resources: data centers, fog computing, and networks, internet of things (IoT), etc. Analytical methods to predict the system’s performance. Queuing theory, scheduling, and load balance. Prerequisites: ELE 509 or MTH 451 or permission of instructor. (lec. 3)

**500/600 level New Courses**

**College of Arts & Sciences**

**CSF 591  Directed Study in Cyber Security**
Independent study, 1-4 credits.
Description: Advanced work in cyber security conducted as supervised individual projects. (Independent Study)
College of Environmental and Life Sciences

**BES 533 Using Multimedia to Communicate Science**
Description: An advanced course that provides training to students of the sciences in multimodal—
radio, tv, and print — storytelling focusing on science related issues. Prerequisite: Graduate
standing or permission of the instructor. (Lec. 3)

**BES 593X and 593 Internship in Science Writing**
Description: Internship with agency or organization in which student develops and disseminates
written pieces on science-related topics to non-scientific audiences. Prerequisites: Previous
completion of WRT 533, NRS 543, and permission of instructor. (Practicum, 3)