

**THE GRADUATE SCHOOL -- UNIVERSITY OF RHODE ISLAND  
CURRICULAR REPORT FROM THE GRADUATE COUNCIL TO THE  
FACULTY SENATE**

**REPORT NO. 7, 2010-2011; 2 May 2011**

At meeting No. 454 held 18 April 2011, the Graduate Council considered and approved the following curricular matters which are now submitted to the Faculty Senate for information or confirmation as indicated.

**Changes:**

1) College of Nursing

**NUR/THN 506 Independent Study** – change in credits from 2-6 to 1-6 and prerequisites to read: Pre: permission of graduate faculty or chair of thanatology.

**NUR 590 Directed Study and Practice in Advanced Clinical** – change in credits from 3 to 1-6

2) College of Engineering  
Department of Mechanical, Industrial and Systems Engineering

**ISE 541 Advanced Materials Processing** – change in prerequisites to read: 240 or permission of instructor.

**ISE 543 Fundamentals of Machining** – change in prerequisites to read: 240 or permission of instructor. Not for graduate credit for students with credit in 443.

**ISE 546 Advanced Metal Deformation Processes** – change in prerequisites to read: 240 or permission of instructor. Not for graduate credit for students with credit in 446.

**ISE/MCE 549 Advanced Product Design for Manufacture** – change in prerequisites to read: 240 or permission of instructor. Not for graduate credit for students with credit in 449.

Department of Electrical, Computer and Biomedical Engineering

**ELE 544 Computer Arithmetic for VLSI** – change in title to Arithmetic Algorithms and Hardware Designs and a change in catalog description and prerequisites to read: Hardware algorithms and implementations of fixed and floating-point adders, multipliers, and dividers. Error and time complexity analysis. Applications to DSP algorithms. Circuit design in VHDL and prototype with FPGA. Pre: 301 or equivalent or permission of instructor.

**ELE 545 Advanced Digital Circuits and Systems** – change in prerequisite to read: 301 or equivalent or permission of instructor

Department of Chemical Engineering

**CHE 574 Biochemical Engineering I** – change in title to Biochemical Engineering and change in catalog and prerequisite description to read: Application of chemical engineering principles to topics in bioprocessing and biotechnology, such as enzyme and cell-growth kinetics, enzyme and cell immobilization, bioreactors, medium sterilization. (Lec 3). Pre: permission of instructor.

Department of Civil and Environmental Engineering

**CVE 579 Soil Behavior** – change in title to Advanced Soil Mechanics and catalog description to read: Physico-chemical properties of soils, hydraulic conductivity, consolidation, and shear strength.

**CVE/OCE 583 Advanced Foundation Engineering** – change of title to Deep Foundations and catalog description to read: Applications of soil mechanics principles to analysis and design of piles and drilling shafts under vertical and lateral loading. Static and dynamic load testing. Introduction to ground improvement technologies.

3) College of Arts and Sciences  
Department of English

**ENG 514 Studies in Critical Theories** – change in title to History of Critical Theories and in prerequisites and catalog description to read: Historical survey of critical theory from antiquity to the present. Pre: Graduate standing or permission of instructor.

Department of Computer Science and Statistics

**CSC 593 Computer Science Seminar Series** – course to be deleted

**New Courses:**

1) College of Business Administration

**MBA 588 Marketing Communications Management (3)**

Provides an in-depth knowledge base for developing effective and efficient strategic marketing communications. Covers communication objectives, strategies, and tactics, and explores when to use them. Pre: MBA 505.