

**UNIVERSITY OF RHODE ISLAND**  
**The Graduate School**  
**CURRICULAR REPORT FROM THE GRADUATE COUNCIL TO THE FACULTY**  
**SENATE: REPORT NO. 2007-2008-2**

At meeting No. 422 held November 19, 2007, 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 Chemical Engineering

**Change in CHE Catalog Program Description**

Insert: "Part-time graduate students are not required to register for seminar courses CHE 501/502."

B. College of the Environment and Life Sciences

1. Department of Geosciences and Biological Sciences

Changes:

**BIO 567 Natural Selection** – change course number and prerequisite to read:

**BIO 571 Natural Selection**

Pre: BIO 262 and 352 or 472 or graduate standing

C. College of Arts and Sciences

1. Department of Chemistry

Changes:

**CHM 511 Advanced Analytical Chemistry I** – change in catalog description to read:

Complex Equilibria and Electrochemistry: Topics include solution theory; acid-base, precipitation and complexation reactions; redox chemistry, amperometry, voltammetry, specialized electrodes and electrochemical sensors. Statistical treatment of data. (Lec 3). Pre: 412 or permission of instructor.

D. College of Human Science and Services

1. School of Education

Changes:

**EDC 586 Problems in Education** – add the following permanent topics:

- **Consortium on Reading Excellence**
- **Problems in Hosting a SALT Visit**
- **Instructional Strategies for Diversified Classrooms**
- **Orton-Gillingham Reading Instruction**
- **Orton-Gillingham Reading Practicum**
- **Problems in Reflective Practitioner-Using Data to Inform Instruction**
- **Problems in SALT Visit**
- **Schools Attuned**
- **Teaching the *Write Traits***

**EDC 920 Workshop for Teachers** – add the following permanent topics:

- **Using the Internet for Teaching, Learning, & Practical Applications**
- **Immersion Program for Teachers of Spanish**

2. Department of Human Development and Family Studies

Changes:

**Eliminate the word “education” from the following sentence of the catalog to read:**

“In addition, students will select a minimum of 9 credits in a specialization, such as child development, early childhood.”

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

### A. College of Engineering

1. Department of Chemical Engineering:

a. New Course

#### **CHE 550 Bionanotechnology (3)**

Principles and applications of bionanotechnology. Intermolecular forces, self-assembly, biomolecular structure, biological processes, molecular manufacturing, and surface functionalization for designing biodevices and nanomaterials. Overview of current and emerging technologies, safety and ethics. (Lec. 3) Pre: graduate standing or permission of instructor.

### B. College of the Environment and Life Sciences

1. Department of Nutrition and Food Sciences

a. New Course:

#### **NFS 528 Lipoprotein Metabolism in Health and Disease (3)**

Chemistry and metabolism of sterols and lipoproteins in health and disease including heart disease and inborn errors of metabolism; dietary and drug treatments on cholesterol and lipoprotein metabolism. (Lec. 3) Pre: graduate standing in Nutrition and Food Science, or permission of instructor.

2. Department of Community Planning and Landscape Architecture

a. Change:

**Change in Department Name to Department of Landscape Architecture**

b. Deletions:

**CPL 512 Development of Human Settlements**

**CPL 540 Community-Based Housing**

**CPL 542 Housing and Community Development**

**CPL 543 Methods of Social Policy Analysis**

**CPL 554 Community Development Funding and Subsidies**

**CPL 555 Introduction to Economic Development Planning**

**CPL 589 Master’s Project Research**

**CPL 593-596 Special Problems in Planning**

**CPL 599 Master’s Thesis Research**

**CPL 624 Planning Policy and Management in Urban Areas**

**CPL 625 Central City Revitalization and Implementation**

**CPL 631 Community Planning Studio**  
**CPL 691 Special Problems in Planning**

C. Graduate School of Oceanography

1. New Course:

**OCG 569 Oceanographic Processes (3)**

Broad survey of general oceanography. The approach is to present and apply basic geological, physical, chemical, and biological principles to the integrated study of the world ocean system. (Lec. 3) Pre: permission of instructor.

D. College of Human Science and Services

1. School of Education:

a. New Course

**EDC 509 Thinking Math I (3)**

This course examines current research in mathematics instruction (K-12). It helps teachers deepen their mathematical understanding, use assessment to guide instruction, and use research-based practices to improve student performance. (Lec. 3) Pre: teaching certification.

**EDC 510 Reading Instruction (3)**

This course examines research in beginning reading and best practices for primary (K-2) literacy instruction, and links these to the Rhode Island Reading Policy and the Tri-State GLEs. (Lec. 3) Pre: teaching certification.

**EDC 511 Reading Comprehension Instruction (3)**

This course examines reading comprehension research, strategies, and instructional techniques for both narrative and expository texts and links these to the RI Reading Policy and performance standards. (Lec. 3) Pre: teaching certification.