

University of Rhode Island

Faculty Senate

April 25, 2005

Faculty Senate Curricular Affairs Committee

Four Hundred Thirty-Third Report

At the April 18, 2005 meeting of the Curricular Affairs Committee the following matters were considered and are now presented to the Faculty Senate.

SECTION I

Informational Matters

A. College of Arts and Sciences

1. Department of Art

CHANGE: Description for ART 231:

ART 231 Printmaking I

Introduction to the intaglio process and monotype, with an emphasis on image development and workshop procedures (Studio 6) Pre: 101 or 207 or permission of instructor.

2. Department of Biological Sciences

CHANGE: Number of BIO 381, 382 to BIO 385, 386 and replace "or equivalent" in prerequisite for BIO 385 (381) with "or permission."

3. Department of Computer Science and Statistics

CHANGE: Prerequisite for STA 307 and STA 308 to "Pre: MTH 107 or 108 or 131 or 141 or permission."

4. Department of Physics

CHANGE: Prerequisite for PHY 205 to "Pre: credit or concurrent enrollment in MTH 243 or 362."

5. Department of Sociology and Anthropology

- a. CHANGE: Description for SOC 301 by adding "Open only to Sociology majors."
- b. CHANGE: Description for APG 302 by adding "Restricted to juniors and seniors."

6. Women's Studies Program

CHANGE: Prerequisite for WMS 315 (210) to "Pre: 150 or permission of instructor."

B. College of Engineering

1. Department of Mechanical Engineering

- a. CHANGE: Prerequisite for MCE 262 to "Pre: EGR 106 and MTH 141."
- b. CHANGE: Prerequisite for MCE 366 to "Pre: 263 and MTH 244."

2. Department of Ocean Engineering

- a. CHANGE: Description for the following courses:

1) **OCE 301 Fundamentals of Ocean Mechanics (3)**

Mathematical methods for the analysis of ocean phenomena; Fourier analysis; partial differential equations for modeling water wave and underwater acoustics; vector calculus in wave mechanics; fundamental probability theory and applied statistics. (Lec. 3) Pre: MTH 243 and MCE 263 and OCE 206 and CVE 220.

2) **OCE 307 Introduction to Engineering Wave Mechanics and Littoral Processes (3)**

Description of coastal areas, study of beach dynamics, and coastal protection methods. Linearized gravity wave theory (celerity, velocity, pressure, wave groups, and wave energy). Wave transformations (reflection, refraction, diffraction, shoaling, and breaking). Waves and water-level prediction, design wave. Wave probability distributions and applied statistics. Nearshore ocean waves and currents. Littoral and sediment transport. (Lec. 3) Pre: MCE 354 or permission of instructor.

- b. CHANGE: Prerequisite for OCE 310 to "Pre: 206 or permission of instructor."

C. Feinstein Center for Service Learning

In accordance with Senate Bill #98-99-7 "The Three Hundred and Sixty-Eight Report of the Curricular Affairs Committee" the following courses have been approved for the assignment of the "service learning" designation:

HPR 119 topic: Loss in the Lives of Children and Teens
PSY 442 Psychology of Exceptionality

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SECTION II

Curricular Matters Which Require Confirmation by the Faculty Senate

A. College of Arts and Sciences

1. Department of Journalism

CHANGE: Requirements for BLS course selections for major in Journalism as follows:

FINE ARTS AND LITERATURE

CHOOSE ONE

ARH 120, Intro to Art

ARH 252, Intro to Hist of Art

MUS 101, Intro to Music

100, Intro to Theater

and

CHOOSE ONE

ENG 110, Intro to Lit

ENG160/CLA160, Lit of World

ENG 241, US Lit I

ENG 242, Am Lit

ENG 251, Brit Lit

ENG 252, Eng Lit

AAF 248/ENG 248, Af-Am Lit

LETTERS

CHOOSE ONE

HIS 142, US since 1877

HIS 146, Women in US 1890–Present

HIS 150, Intro to Af–Am History

HIS 346, Immigration, Ethnicity, etc.

AAF 201, Intro Af & Af-Am Studies

and

CHOOSE ONE

PHL 103, Intro to Philosophy

PHL 204, Theories of Human Nature
PHL 212, Ethics
PHL 217, Social Philosophy
RLS 111, Judaism, Christ., Islam

SOCIAL SCIENCES

CHOOSE ONE

PSC 113, Am Politics
PSC 274/SOC 274, Criminal Justice
PSC 288, Am Legal System
CPL 200, Understanding Cities
ECN 100, Intro to Economics
GEG 104, Political Geography
and

CHOOSE ONE

APG 203, Cultural Anthropology
SOC 240, Race and Ethnic Relations
SOC 242, Sex and Gender
WMS 150, Intro to Women's Studies

NATURAL SCIENCES

CHOOSE ONE

AFS 210/211, Intro to Marine Envir
BIO 105, For Daily Life with Lab
CHM 101/102, Gen Chem I
CHM 103/105, Intro to CHM
PHY 111/185, Gen Physics I
PHY 112/186, Gen Physics II
and
Any course from the A&S List

FOREIGN LANGUAGES/CROSS-CULTURAL

See requirements for Bachelor of Arts degree in the College of Arts and Sciences

MATHEMATICAL AND QUANTITATIVE REASONING

Any course from A&S List

ENGLISH COMMUNICATION

Any 3-credit WRT course from the A&S List with a grade of B or better
and

CHOOSE ONE

PHL 101, Logic
LIB 120, Intro to Info Literacy

2. Department of Modern and Classical Languages and Literature

ADD: The following courses:

1) **SPA 210 Spanish for Heritage Speakers (3)**

Fundamentals of Spanish grammar, spelling and writing for heritage speakers with native speaker background and who have not had academic training in Spanish. (Lec. 3) Offered every semester.

2) **SPA 313 Introduction to Spanish Linguistics (3)**

Introduction to Spanish linguistics with focus on what human languages are and how they are used. Analysis of Spanish phonetics & phonology, morphology, and syntax, along with issues of language variation and bilingualism in Spanish speaking communities. (Lec. 3) Pre: 312.

3. Department of Mathematics

ADD: **MTH 110 Mathematical Foundations for Business Analysis (3)**

Equations of first and second degree. Inequalities. Exponential and logarithmic functions. Emphasis on business applications. Introduction to linear algebra and matrices. Introduction to spreadsheets. Designed for students who want to strengthen their background in math before BAC 120. (Lec. 3). Not for credit for mathematics majors and not for general education credit.

4. Department of Sociology and Anthropology

CHANGE: Credits and method of instruction for APG 300:

APG 300 Human Fossil Records (3) ... (Lec. 2, Lab. 2)

5. Women's Studies Program

CHANGE: Credits and method of instruction for WMS 350:

WMS 350 Special Topics in Women's Studies (3) ... (Lec. 3)

B. College of Engineering

1. Department of Electrical and Computer Engineering

a. CHANGE: Requirements for the B.S. major in Electrical Engineering for the senior year by adding ELE 480, 481 and reducing credits for electrical engineering design electives to "15-16."

b. CHANGE: Requirements for the B.S. major in Computer Engineering for the senior year by adding ELE 480, 481 and reducing credits for computer engineering electives to "9-12."

2. Department of Ocean Engineering

a. ADD: The following new courses:

1) **OCE 205 Ocean Engineering Design Tools (3)**

An introduction to design and analysis tools for ocean engineering including computer aided design (CAD) in two- and three-dimensions, circuit layout and analysis, hydrodynamic modeling, mathematical computation, visualization, and algorithm development. (Lec. 3) Pre: EGR 106.

2) **OCE 206 Ocean Instrumentation (3)**

Introductory course in Ocean instrumentation covering theory, design and implementation of basic circuits through electronic subsystems used in robotic ocean instruments and autonomous underwater vehicles (AUV's). (Lec. 3)

3) **OCE 360 Robotic Ocean Instrumentation Design (3)**

Design of robotic ocean instrumentation systems featuring team-based, hands-on projects. Includes power, sensor, communication, propulsion and control system design for remotely operated and autonomous ocean instruments and underwater vehicles. (Lec. 2, Lab. 3) Pre: 216 or permission of instructor.

b. CHANGE: Curriculum requirements for B.S. major in Ocean Engineering

1) Addition of the following courses:

- a) OCE 205 and 206 and PHY 275 as required courses,
- b) OCE 360 as an elective.

2) Deletion of the following courses:

- a) ELE 220
- b) IME 411

3) Move CHE 333 from the first semester junior year to first semester senior year.

4) Change wording of substitution of an off campus experience for OCE 495 and 496 to require prior approval.

C. College of the Environment and Life Sciences

1. Department of Community Planning and Landscape Architecture

ADD: LAR 101 Freshman Inquiry into Landscape Architecture (1)

Introduction for freshmen to Landscape Architecture: the profession, practices and principles. Interact weekly with faculty and staff. Explore hands-on studio and field studies (Lec. 1) S/U credit.

2. Department of Plant Sciences

CHANGE: credits for PLS 210 Plant Protection Practicum to "2."

D. College of Human Science and Services

Department of Kinesiology

CHANGE: Course code for all Physical Education and Exercise Science Courses from PEX and EXS to "KIN" effective for the 2005-06 University Catalog.

E. College of Pharmacy

Department of Pharmacy Practice

a. CHANGE: Credits for the following courses from "1" to "0"

- 1) PHP 350 Introductory Practice Experience I
- 2) PHP 351 Introductory Practice Experience II

b. CHANGE: Number of credits required for graduation with the Doctor of Pharmacy degree from "193" to "189."

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S E C T I O N I I I

**Joint Report of the Curricular Affairs Committee
and Graduate Council on 400-Level courses**

In the fall semester and at the March 28 and April 18 meetings of the Curricular Affairs Committee and the April 4 and April 22 meetings of the Graduate Council. The following matters were considered and are now presented to the Faculty Senate.

A. Informational Matters

***1. College of Arts and Sciences**

a. Department of Sociology and Anthropology

- 1) CHANGE: Description for SOC 401 by adding "Open only to Sociology majors.
- 2) CHANGE: Description for SOC 497 by adding "Open only to Sociology majors or permission of instructor."

b. Department of Physics

CHANGE: Prerequisite for PHY 410 to "MTH 215 and CSC 200 or CSC 201 or CSC 211. Credit or concurrent enrollment in MTH 244 and PHY 306."

2. College of Business Administration

ADD: The following temporary courses:

a. **BUS 475X Technical Analysis of Stocks (3)**

A study of different technical indicators used in the analysis of stocks. Applications of indicators in different market environments; the development of automated trading systems. (Lec. 3) Pre: BAC 110 and 120 and 202 and FIN 301.

b. **FIN 431X Fixed Income Security Analysis (3)**

The course is designed to acquaint the students with the institutional arrangement and pricing of various fixed income securities such as convertible bonds, mortgage loans and mortgage-backed securities. (Lec. 3) Pre: 301 and 331.

3. College of Engineering

a. Department of Chemical Engineering

- 1) CHANGE: Prerequisite for CHE 425 by removing "ELE 220" as a prerequisite.
- 2) CHANGE: Prerequisite for CHE 464 by removing "CHM 432" as a prerequisite.
- 3) CHANGE: Title for CHE 403, 404 to "Introduction to Design of Ocean Engineering Processes."

*b. Department of Civil and Environmental Engineering

CHANGE: Title, description and prerequisite for CVE 460 to read as follows:

CVE 460 Steel Structures (3)

Theory of steel structures including beams, columns, beam-columns, composite construction and connections. Material properties, environmental loads, state of

construction, practice fabrication and economic aspects. (Lec. 3) Pre: 354 or permission. Not for graduate credit in civil engineering.

c. Department of Electrical and Computer Engineering

1) CHANGE: Description for ELE 458 to read as follows:

ELE 458 Digital Controls Laboratory (4)

Analysis and design of digital control systems using state-space techniques. State feedback and observers. Laboratory includes computer simulation and hardware implementation of control laws for electromechanical systems.

2) CHANGE: Description and method of instruction for ELE 408:

ELE 408 Computer Organization Laboratory (4)

Engineering design problems involving hardware, software and interface of computer and embedded systems. Students will apply skills and knowledge accumulated through the curriculum in a group senior design project. (Lec. 3, Lab 3)

3) CHANGE: Prerequisite for ELE 405 to "Pre: 305 and 306."

d. Department of Industrial and Manufacturing Engineering

CHANGE: Prerequisite for IME 404 to "Pre: 411."

e. Department of Mechanical Engineering and Applied Mechanics

1) CHANGE: Prerequisite for MCE 448 to "Pre: 341 and 354 and 372."

2) CHANGE: Prerequisite for MCE 426 to "Pre: 301."

f. Department of Ocean Engineering

CHANGE: Description for OCE 421 to read:

OCE 421 Marine Structure Design (3)

Review of wave mechanics; design breaker; probability and random variables; probabilistic wave elevation height models; short-term and long-term wave statistics; probability distribution models for extreme events; selection of design waves and water levels; wave runup and overtopping; design of rubble mound structures; design of vertical breakwaters/seawalls; wave forces on vertical piles. (Lec. 3) Pre: 307.

4. College of Human Science and Services

Department of Human Development and Family Studies

CHANGE: Prerequisite for HDF 400 to "Pre: 200 and 201."

B. Curricular Matters Which Require Confirmation by the Faculty Senate

1. College of Arts and Sciences

Department of Languages

ADD: **SPA 413 Spanish Sociolinguistics and Pragmatics (3)**

Study of Spanish sociolinguistics and pragmatics. Analysis of speech variants or dialects and the factors that determine them. Examination of the use of language in context and the ways in which speakers interpret discourse. (Lec. 3) Pre: any 300-level SPA course or permission of the instructor.

*2. College of Engineering

Department of Electrical Engineering

ADD: The following new courses:

a) **ELE 480 Capstone Design I (2)**

Application of engineering skills; teams focus on the design and communication of solutions to problems with-world constraints (may include aspects of other engineering disciplines). First of a two-course sequence. Pre: permission of instructor. Not for graduate credit.

b) **ELE 481 Capstone Design II (2)**

Application of engineering skills; teams focus on the design and communication of solutions to problems with real-world constraints (May include aspects of other engineering disciplines). Second of a two-course sequence. Pre: permission of instructor. Not for graduate credit.

*3. College of Pharmacy

Department of Pharmacy Practice

CHANGE: Credits for the following courses from "1" to "0"

1) PHP 450 Introductory Practice Experience III

2) PHP 451 Introductory Practice Experience IV

*No action by the Graduate Council. Not for graduate credit