

November 5, 2009

**Faculty Senate Curricular Affairs Committee
Four Hundred Seventy-Third Report**

At the October 26, 2009 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

Department of History

CHANGE: Title for HIS 384 to “The Modern Caribbean” and description to “Historical roots of the contemporary Caribbean world, emphasizing globalization’s powerful influence and the region’s efforts toward cultural, political and economic independence.”

B. College of the Engineering

1. Department of Civil and Environmental Engineering

ADD: **CVE 371X Hydraulic Engineering Laboratory (1)**
Closed conduit flow measurements, pipe networks, evaluation of centrifugal pumps and characteristics, open channel flow measurements, development of gradually varying and rapidly varying flow profiles, computer implementation for design. (Lab 3) Pre: MCE 354 and credit or concurrent enrollment in 370.

C. Online Courses

The CAC reviewed online versions of the following courses and notified Enrollment Services that they may be scheduled beginning in the Spring 2010:

COM 310 topic: “The Rhetoric of The Auteur” (L. McClure)
COM 310 topic: “The Rhetoric of SciFi and Fantasy TV (L. McClure)

SECTION II

Curricular Matters which Require Confirmation by the Faculty Senate

A. College of Arts and Sciences

1. Department of Communication Studies

a. ADD: The following new courses:

1) **COM 246 New Media and Society (3)**

Introduction to basic practices and theories necessary for understanding and contributing to digital culture. Combines new media theory and practice on topics including blogging, social networking, and virtual reality. (Lec. 3)

2) **PRS 100 Introduction to Public Relations (3)**

Examine and explore public relations principles, concepts and emerging trends associated with the role of the PR practitioner. Explore career paths, such as investor relations, community relations, public affairs and event management. (Lec. 3) For freshmen and sophomores only.

3) **PRS 200 Introduction to Event Management (3)**

Explore principles, concepts and emerging trends pertinent to event management, a significant aspect of public relations. Gain an understanding of the synergy that develops between public relations and marketing. (Lec. 3) Pre: sophomore standing or above and public relations major/minor or planning to major/minor in public relations.

2. Department of Mathematics

ADD: **MTH 105 Elementary Mathematical Codebreaking (3)**

Use of technology to break codes, including those enciphered by substitution, polyalphabetic, polygraphic, and transposition ciphers. mathematical topics include modular arithmetic, linear systems, probability. (Lec. 3) Only high school mathematics required.

B. College of Engineering

1. ADD: **EGR 133 Artifacts in Modern Society (3)**

Materials Science will be introduced to non-science and non-engineering freshman using a "case study" approach. (Lec. 3) Not open to engineering or science majors.

*2. Department of Ocean Engineering

CHANGE: Curriculum for BS degree in Ocean Engineering by reducing credits to 125 as follows:

- 1) Eliminate requirement of EGR/PHL316.
- 2) Reduce number of professional electives from 4 to 3.
- 3) Replace the requirement of OCE307 with OCE408.

C. College of the Environment and Life Sciences

1. Department of Biological Sciences

*Incorrectly reported in 464 Report of the CAC

- a. CHANGE: Curriculum for B.S. degree in Biological Sciences by reducing credits to 120 as follows:
 - 1) Reduce the general education requirements from 39 to 36 by adopting the CELS general education requirements.
 - 2) Reduce the number of free elective credits by 7. The new requirements will include 22-25 free elective credits.
 - 3) Add the BIO 412 to the list of animal biology courses that satisfy the major requirements.
 - b. CHANGE: Curriculum for B.S. degree in Marine Biology by reducing credits to 120 as follows:
 - 1) Reduce the general education requirements from 39 to 36 by adopting the CELS general education requirements.
 - 2) Reduce the number of free elective credits by 7. The new requirements will include 22-25 free elective credits.
 - 3) Add the MIC 211 as a “Diversity” course in the major and AFS 486 and BIO 354 as Marine Biology electives.
2. Department of Cell and Molecular Biology
- a. CHANGE: Curriculum for B.S. degree in Microbiology and Microbiology Biotech option by reducing credits to 120 as follows:
 - 1) Delete CHM 212 as a required course.
 - 2) Reduce by 6 credits the number of free electives. The requirements will include 15 credits of free electives.
 - b. ADD: **BCH 211 Biochemical Aspects of Nutrition and Physiology (3)**
 Chemistry of biological transformations in the cell. Chemistry of carbohydrates, fats, proteins, enzymes, vitamins and hormones integrated into a general discussion of energy-yielding and biosynthetic reactions in the cell. (Lec. 3) Pre: one year college biology and one year of chemistry including CHM124.
3. Department of Fisheries, Animal and Veterinary Science
- ADD: **AFS132 (or AVS 132) Animal Agriculture, Food Policy, and Society (3)**
 The impact of animal agriculture on the natural environment and on human society (arts and literature) is explored, as is the prospect for animal agriculture to alleviate human hunger and poverty here and abroad. (Lec. 3)

4. Department of Natural Resources Science

a. CHANGE: Curriculum for B.S. degree in Environmental Science and Management by reducing credits to 120 as follows:

- 1) Increase the number of Introductory Professional Courses to 17 by moving GEO 103 from Basic Sciences to Introductory Professional Courses.
- 2) Reduce the Basic Science requirement to 29-30 credits by replacing CHM 112, 114 with option of CHM 112, 114 or MIC 211 or BCH 311 and dropping BIO 262 as a requirement.
- 3) Increase the number of supporting electives to 20-21 credits by adding GEO 210 and BIO 262.
- 4) Reduce the number of credits in concentration to 24.

b. CHANGE: Curriculum for B.S. degree in Wildlife and Conservation Biology by reducing credits to 120 as follows:

- 1) Increase the number of credits in Introductory Professional courses to 17 by moving GEO 103 from Basic Sciences to Introductory Professional Courses.
- 2) Decrease the number of credits in Basic Sciences to 25 by dropping PHY 109,110 as a requirement.
- 3) Decrease Supporting Electives by 6 credits.

D. College of Nursing

ADD: **NUR 160 Exploring Global Health (3)**

Introduction to major global health problems including their distribution, web of causation, and effective strategies for addressing these problems at individual, community, societal, and global levels. (Lec. 3) Intended for freshmen.

E. College of Pharmacy

Department of Biomedical and Pharmaceutical Sciences

ADD: **BPS 203 Herbal Medicines and Functional Food (3)**

Study of traditional herbal medicines, commonly used medicinal plants, and modern plant-derived drugs. Medicinal foods, herbal supplements, and plant extracts (nutraceuticals) for health benefits beyond basic nutrition. (Lec. 3) Intended for freshmen and sophomores.

SECTION III

Joint Report of the Curricular Affairs Committee and Graduate Council on 400-Level Courses and the Pharm.D.

At the March 30, April 20, 2009 and October 24, 2009 meetings of the Curricular Affairs Committee and October 19, 2009 meeting of the Graduate Council, the following matters were considered and are now presented to the Faculty Senate.

A. Informational Matters

1. College of Engineering

a. Department of Electrical, Computer and Biomedical Engineering

CHANGE: The following courses

- a) ELE 401: prerequisite to Pre: ((205 or 208) and 313 and 322 and 331 and ((338 and 339) or 342) and (credit or concurrent enrollment in 402)) or permission of instructor.”
- b) ELE 402: prerequisite to “Pre: credit or concurrent enrollment in 401.”
- c) ELE 405: prerequisite to “Pre: (301, 305, and (credit or concurrent enrollment in 406)) or permission of instructor.”
- d) ELE 406: title to “Digital Computer Design Laboratory” and prerequisite to “Pre: credit or concurrent enrollment in 405.”
- e) ELE 408: prerequisite to “Pre: (305 and 313, ((338 and 339) or 342) and (credit or concurrent enrollment in 409)), or permission of instructor.”
- f) ELE 409: prerequisite to “Pre: credit or concurrent enrollment in 408.”
- *g) ELE 423: prerequisite to “Pre: (313 and 322 and ((338 and 339) or 342)) or permission of instructor. Not for graduate credit.”
- h) ELE 427: prerequisite to “Pre: (313 and 322 and 331 and ((338 and 339) or 342) and (credit or concurrent enrollment in 428)) or permission of instructor.”
- i) ELE 428: prerequisite to “Pre: credit or concurrent enrollment in 427.”
- j) ELE 432: prerequisite to “Pre: (313 and 322 and 331 and ((338 and 339) or 342)) or permission of instructor.”
- k) ELE 435: prerequisite to “Pre: ((215 or (338 and 339) or 342) and 314 and EGR 106 and (credit or concurrent enrollment in 436)) or permission of instructor.

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

- l) ELE 436: prerequisite to “Pre: credit or concurrent enrollment in 435.”
- m) ELE 444: prerequisite to “Pre: ((205 or 208) and 313 and ((338 and 339) or 342) and (credit or concurrent enrollment in 445)) or permission of instructor.”
- n) ELE 445: title to “Advanced Electronic Design Laboratory” and prerequisite to “Pre: credit or concurrent enrollment in 444.”
- o) ELE 447: prerequisite to “Pre: (202 and ((338 and 339) or 342) and 313 and PHY 204 and (credit or concurrent enrollment in 448)) or permission of instructor.”
- p) ELE 448: title to “Digital Integrated Circuit Design I Laboratory” and prerequisite to “Pre: credit or concurrent enrollment in 447.”
- q) ELE 458: title to “Digital Control Systems” and prerequisite to “Pre: ((205 or 208) and (314 or 461 or BME 461) and ((338 and 339) or 342) and (credit or concurrent enrollment in 459)) or permission of instructor.
- r) ELE 459: title to “Digital Control Systems Laboratory” and prerequisite to “Pre: credit or concurrent enrollment in 458.”

b. Department of Mechanical, Industrial and Systems Engineering.

CHANGE: Prerequisite for the following courses:

- a) MCE 426: add “or permission of instructor.”
- b) MCE 431: “Pre: 366 or permission of instructor.”
- c) MCE 434: “Pre: 341 or permission of instructor”
- d) MCE 437: “Pre: 341 and 354, or permission of instructor.”
- e) MCE 438: “Pre: 341 or permission of instructor.”
- f) MCE 440: “Pre: CVE 220, or permission of instructor.”
- g) MCE 454: “Pre: CVE 220 and MCE 354, or permission of instructor.”
- h) MCE 455: “Pre: 354, or permission of instructor
- i) MCE 466: “Pre: 301 and 372, or permission of instructor.”
- j) MCE 491, 492: “Pre: permission of instructor.”

2. College of Pharmacy

*Department of Biomedical and Pharmaceutical Sciences

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

CHANGE: Description for the following courses:

- a) PHP 503: "Introduction to the U.S. public health system and the roles of pharmacists in promoting wellness and drug safety, and reducing health disparities as they relate to pharmacy practice."
- b) PHP 504: Analysis and interpretation of the U.S. health care system, including care delivery, and economic, finance, payment and policy perspectives, with emphasis on the role of the pharmacist."

B. Curricular matters which require confirmation of the Faculty Senate

1. College of Arts and Sciences

*Department of Sociology and Anthropology

CHANGE: Number and level for SOC 375 to "SOC 410 (375)
Race, Crime and Criminal Justice"

2. College of Engineering

*Department of Ocean Engineering

**CHANGE: Credits for OCE 471 to "4."

3. College of the Environment and Life Sciences

*Department of Natural Resources Science

CHANGE: Title for NRS 480 to "Colloquium," credits to "2" and prerequisite to "Pre: junior standing."

4. College of the Environment and Life Sciences and College of Pharmacy

*Department of Cell and Molecular Biology and Department of Biomedical and Pharmaceutical Science

ADD: **MIC 450 (or BPS 450) Practical Tools for Molecular Sequence Analysis (3)**

Introduction to practical ways to analyze DNA, protein and genome datasets. Students will be introduced to computing environments and publicly available software tools for analysis. (Lec. 2, Lab 2) Pre: BCH 311 or BIO 352 (or BCH 352) or BIO 341 or permission of instructor. Not for graduate credit.

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

**Inadvertently omitted from 464th Report of the Curricular Affairs Committee.