



Faculty Senate

April 25, 2007

Faculty Senate Curricular Affairs Committee Four Hundred Fifty-Second Report

At the April 23, 2007 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 Economics

CHANGE: Description for the following courses:

- 1) ECN 327 by adding "Not available for credit to students who have taken 324."
- 2) ECN 328 by adding "Not available for credit to students who have taken 323."

2. Department of Theatre

CHANGE: Prerequisite for THE 355 to "Pre 261 and 351 or 352 or permission of instructor."

B. College of Business Administration

1. CHANGE: Prerequisite for the following courses by adding "320" to the existing prerequisite:

- a. BUS 336
- b. BUS 337
- c. BUS 338

2. CHANGE: Prerequisite for the following courses:

- a. BUS 341 to "Pre: junior standing in a degree granting college."

- b. BUS 355 to "Pre: 110 or CSC 101, 211 or 212, junior standing in a degree granting college or permission of instructor.
- c. BUS 367 to "Pre: 211 or 212 or STA 308 and BUS 365.

C. College of Engineering

1. Department of Chemical Engineering

- a. CHANGE: Title for CHE 351 to "Plant Design and Economics I."
- b. CHANGE: Title for CHE 352 to "Plant Design and Economics II and prerequisite to "Pre: 349 and 351 and credit or concurrent enrollment in 464."

2. Department of Electrical, Computer and Biomedical Engineering

CHANGE: Prerequisite for the following courses:

- 1) ELE 201 to "Pre: credit or concurrent enrollment in MTH 141."
- 2) ELE 282 to "Pre: MTH 141 or permission of instructor."
- 3) ELE 305 to "Pre: 201 and 212 and (205 or 208)"
- 4) ELE 307 to "Pre: (212 or 220) and (MTH 243 or 362)."
- 5) ELE 313 to "Pre: 212 and MTH 362 and EGR 106."
- 6) ELE 322 to 212 and MTH 243 and PHY 204."
- 7) ELE 325 to "Pre: 212 and PHY 204 and MTH 362."
- 8) ELE 331 to "Pre: 212 and MTH 243 and (PHY 306 or 341)."
- 9) ELE 342 to "Pre: 201 and 212 and 215 and EGR 106."
- 10) ELE 382 to "Pre: (201 and 212 and MTH 362) or permission of instructor."

3. Department of Industrial and Manufacturing Engineering

CHANGE: Prerequisite for the following courses:

- 1) IME 240 to "Pre: CHM 101 and PHY 204."
- 2) IME 325 to "Pre: MTH 141."
- 3) IME 391, 392 "Pre: junior standing and permission of instructor."

4. Department of Mechanical Engineering and Applied Mechanics

CHANGE: Prerequisite for the following courses:

- 1) MCE 301 to "Pre: CVE 220."
- 2) MCE 302 to "Pre: 201 and 263 and 301."
- 3) MCE 313 to "Pre: CVE 220 and 341 and 354."
- 4) MCE 354 to "Pre: 263 and MTH 243."

D. College of the Environment and Life Sciences

Department of Plant Sciences

CHANGE: Title and description for PLS 255:

PLS 255 Horticultural Plant Science (3)

Fundamental concepts underlying life functions in plants and their horticultural implications and relevancy. Emphasis on plant Physiology, plant nutrition and plant reproduction and how they relate to horticultural production.

E. Honors Program

CHANGE: Description for HPR 341, 342 by adding, "May be repeated with different topics for a maximum of 12 credits each."

F. Feinstein Center for Service Learning

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

CSV 302 Topic: Academic Alternative-Spring Break (Faris)
LAR 444 Design Studio III (Green)
LAR 445 Design Studio IV (Green)
WMS 150 Introduction to Women's Studies (Nichols)

G. Online Courses

The CAC has reviewed the online versions of the following courses and has notified Enrollment Services that they may be scheduled for summer 2007 and thereafter:

BUS 444 Labor Relations (Overton)
PSY 478 Applications of Psychology: Topic - Psychology of Sex, Gender and Sexuality (Salgado)
WMS 350 Special Topics in Women's Studies: Topic - Women and Mental Health (Nichols)

S E C T I O N II

Curricular Matters Which Require Confirmation by the Faculty Senate

A. College of Arts and Sciences

1. Department of Communication Studies

ADD: The following new courses:

1) **COM 271 Web Design and Programming (4)**

For students who want to learn to communicate effectively using web development technology. Explores principles and techniques of client-side programming using XHTML, CSS, and JavaScript following leading-edge standards. Includes designing for web standards, accessibility, usability, and workflow for web design. (Lec 2, Lab. 4)

2) **COM 372 Dynamic Web Design and Programming (4)**

Leading edge web-based information technology for communication in all disciplines. Technology will vary by semester, covering Microsoft or Open Source server-side programming technologies and databases, and relevant design and security issues. (Lec. 2, Lab. 4) Pre: 271 or permission of instructor.

3) **COM 326 Family Communication (3)**

Examines family communication from a symbolic interaction and systems theory perspective. Focuses on primary family functions including cohesion, and case studies. (Lec. 3) Pre: 202 and 221 or permission of instructor.

2. Department of Economics

CHANGE: Description of B.A. in Economics, B.S. in Applied Economics and B.S. in Economic Theory and Methods by replacing 327, 328 with "327 or 324, 328 or 323."

3. Department of Music

CHANGE: Description of Music Minor options as follows:

- 1) Music by replacing 119 and 120 (3) to "120 (2)" and changing the total number of credits to "21-22."
- 2) Music Performance by replacing 119 and 120 (3) with "120 (2);" increasing the minimum number of credits in principle applied music area to "eight," total number applied music area credits to "(14)," and total number of credits to "19-21."
- 3) Jazz Studies replacing 20 with "19" credits; deleting 119 (1), and adding "MUS 300 for a minimum of two semesters (0)."

4. Department of Theatre

- a. CHANGE: Description of B.A. in Theatre Elementary Education requirements by replacing THE 112 (3) with "THE 307 (3)."
- b. ADD: **THE 237 Stage Combat (3)**
Fundamental principles of safety, form, choreographic conception and execution. Unarmed combat included. Eventual application in a performance environment geared to beginning and advanced students (Studio) Pre: permission of instructor.

B. College of Business Administration

CHANGE: Requirements for the Junior and Senior years for Business Administration majors to read as follows:

- a. Accounting

The changes in accounting are in the requirement of BUS 428 (Multinational Finance) in the senior year.

Junior Year

First semester: 15 credits

BUS 301 (3), 320 (3), 341 (3), 401 (3), and one liberal elective (3).

Second semester: 15 credits

BUS 302 (3), 355 (3), 365 (3), 403 (3) and PSC 113, 116 or GEG 104.

Senior Year

First semester: 15 credits

BUS 303 (3), 315 (3), 345 (3), and 404 (3), and one liberal elective (3).

Second semester: 15 credits

BUS 402 (3), 428 (3), 445. [capstone] (3), and two liberal electives (6).

b. Finance

The changes in finance are in the requirement of BUS 301 (Intermediate Accounting I) and BUS 302 (Intermediate Accounting II).

Junior Year

First semester: 15 credits

BUS 301 (3), 320 (3), 365 (3), 341 (3), and one liberal elective (3).

Second semester: 15 credits

BUS 302 (3), 315 (3), 321 (3), 322 (3), and one liberal elective (3).

Senior Year

First semester: 15 credits

BUS 345 (3), 421 (3), 424 (3), 428 (3), and one liberal elective (3).

Second semester: 15 credits

BUS 355 (3), 420 (3), 445 [capstone] (3), and two liberal electives (6).

c. General Business

Changes in this curriculum include requiring BUS 342 (Human Resource Management), and BUS 460 (Global Supply Chain Management).

Junior Year

First semester: 15 credits

BUS 320 (3), 341 (3), 335 (3), 365 (3), and one liberal elective (3)

Second semester: 15 credits

BUS 315 (3), BUS 355 (3), 342 (3), 448 (3), and one liberal elective (3).

Senior Year

First semester: 15 credits

BUS 345 (3), two professional electives (6), and two liberal electives (6).

Second semester: 15 credits

BUS 445 [capstone] (3), BUS 460 (3), two professional electives (6) and one liberal elective (3).

d. International Business

The change stipulates a semester abroad for this major.

Junior Year

First semester: 15 credits

BUS 320 (3), 341 (3), 355 (3), 365 (3), and one foreign language (3).

Second semester: 15 credits

BUS 345 (3), 342 (3), 460 (3), one foreign language (3) and one liberal elective (3)

Senior Year

First semester: 15 credits

Study Abroad: Business related courses (12) and one liberal elective (3)

Second semester: 15 credits

BUS 315 (3), 428 (3), 468 (3), BUS 445 [capstone] (3) and one letters (3)

e. Entrepreneurship Management

The changes to this major include stipulating the following courses: BUS 367 (Marketing Research), BUS 441 (Leadership and Motivation), BUS 443 (Organization Design-Change), BUS 449 (Entrepreneurship), BUS 450 (Small Business Management) and BUS 467 (Customer Relationship Marketing).

Junior Year

First Semester

BUS 315 (3), 341 (3), 345 (3), 365 (3), one liberal elective (3)

Second semester: 15 credits

BUS 320 (3), 342 (3), 355 (3), 367 (3), and one liberal elective (3).

Senior Year

First semester: 15 credits

BUS 441 (3), 443 (3), 449 (3), 467 (3), and one liberal elective (3).

Second semester: 15 credits

BUS 445 [capstone] (3), BUS 448 (3), BUS 450 (3), and two liberal electives (6).

f. Marketing

Changes include requiring BUS 460 (Global Supply Chain Management) and BUS 441 (Leadership and Motivation)

Junior Year

First semester: 15 credits

BUS 315 (3), 355 (3), 365 (3), 366 (3), and one liberal elective (3).

Second semester: 15 credits

BUS 320 (3), 341 (3), 345 (3), 367 (3), and one liberal elective (3).

Senior Year

First semester: 15 credits

BUS 441 (3), 460 (3), 468 (3), and two liberal electives (6).

Second semester: 15 credits

BUS 445 [capstone] (3), 466 (3), BUS 465 (3) and one liberal elective (3)
and one analytical/creative elective (3)

g. Supply Chain Management

Change is stipulating BUS 463 (Advanced Concepts in Supply Chain Management), BUS 466 (Product Innovation), BUS 467 (Customer Relationship Management), BUS 469 (Special Topics).

Junior Year

First Semester

BUS 315 (3), 341 (3), 355 (3), 365 (3), and one liberal elective (3).

Second semester: 15 credits

BUS 320 (3), 335 (3), 360 (3), 467 (3), and one liberal elective (3).

Senior Year

First semester: 15 credits

BUS 345 (3), 460 (3), 466 (3), 469 (3), and one liberal elective (3).

Second semester: 15 credits

BUS 445 [capstone] (3), 462 (3), 463 (3), and two liberal elective (3).

C. College of Engineering

1. Department of Industrial and Manufacturing Engineering

- * CHANGE: Name of Department to the Department of Industrial and Systems Engineering."

2. Department of Mechanical Engineering and Applied Mechanics

CHANGE: Curriculum for B.S. in Mechanical Engineering: junior and senior years:

Junior Year

First Semester

EGR/PHL 316 (3), CHE 333 (3), MCE 301 (3), MCE 341 (3), MCE 354 (3), MCE 372 (3) total credits 18 (81)

Second Semester

MCE 302 (3), MCE 313 (3), MCE 366 (3), MCE 448 (3), General Education Electives (6) total credits 18 (99)

Senior Year

First Semester

General Education Elective (3), MCE 401 (3), MCE 414 (3), MCE Professional Electives (6) total credits 15 (114)

Second Semester

General Education Elective (3), MCE 402 (3), MCE Professional Elective (3), Professional Elective (3), Free Elective (3) total credits 15 (129)

3. Department of Ocean Engineering

CHANGE: Curriculum for the B.S. in Ocean Engineering to read as follows:

The major requires 130 credits. Consult URI Undergraduate Catalog for course descriptions in Ocean Engineering.

Freshman Year

First semester: 16 credits

3 CHM 101 General Chemistry Lecture I

1 CHM 102 Laboratory for Chemistry 101

4 MTH 141 Introductory Calculus with Analytic Geometry

3 PHY 203 Elementary Physics I

1 PHY 273 Elementary Physics

1 EGR 105 Foundations of Engineering

3 General Education Elective

* May require action by the Board of Governors.

Second semester: 17 credits

- 2 EGR 106 Foundations of Engineering II
- 4 MTH 142 Intermediate Calculus with Analytic Geometry
- 3 PHY 204 Elementary Physics II
- 1 PHY 274 Physics Laboratory II
- 1 OCE 101 Introduction to Ocean Engineering
- 3 ECN 201 Economics Principles
- 3 General Education Elective

Sophomore Year

First semester: 17 credits

- 1 OCE 215 Ocean Engineering Design I
- 3 OCE 205 Ocean Engineering Design Tools
- 3 MCE 262 Statistics
- 3 MTH 243 Calculus for Functions of Several Variables
- 3 PHY 205 Elementary Physics III
- 1 PHY 275 Elementary Physics Laboratory III
- 3 General Education Elective

Second semester: 16 credits

- 1 OCE 216 Ocean Engineering Design II
- 3 OCE 206 Ocean Instrumentation
- 3 MCE 263 Dynamics
- 3 CVE 220 Mechanics of Materials
- 3 MTH 244 Differential Equations
- 3 Free Elective

Junior Year

First semester: 16 credits

- 4 OCE 301 Fundamentals of Ocean Mechanics
- 3 MCE 354 Fluid Mechanics
- 3 OCE 310 Basic Ocean Measurement
- 3 General Education Elective
- 3 Professional Elective

Second semester: 16 credits

- 3 OCE 307 Introduction to Engineering Wave Mechanics and Littoral Processes
- 4 OCE 311 Coastal Measurements and Applications
- 3 OCE 471 Underwater Acoustics
- 3 EGR 316 Engineering Ethics
- 3 General Education Elective

An approved off-campus experience, usually between the junior and senior years, can be substituted for OCE 495 and 496.

Senior Year

First semester: 17 credits
2 OCE 416 Ocean Engineering Professional Practice
3 OCE 495 Ocean Systems Design Project I
3 OCE 421 Marine Structure Design

3 CHE 333 Engineering Materials
3 General Education Elective
3 Professional Electives*

Second semester: 15 credits
3 OCE 496 Ocean Systems Design Project II
3 OCG 451 Oceanographic Science
6 Professional electives*
3 General Education Elective

* The requirement for professional electives must be satisfied by a minimum of two, approved three-credit elective courses at the 300, 400, or 500 level in engineering or oceanography and two, approved three credit courses in Ocean Engineering.

D. College of the Environment and Life Sciences

Department of Animal and Veterinary Science

ADD: **AFS 104 Introductory Aquaculture Laboratory (1)**

Field trips to local trout hatcheries, shellfish wholesalers, commercial aquaculture operations, aquaculture gear suppliers and government research aquaculture facilities. Introduction to water quality monitoring. (Lab. 3) For Aquaculture and Fisheries Science majors. Must be taken concurrently with 102.

E. College of Human Science and Services

1. Department of Human Development and Family Studies

ADD: Title of degree tracks to transcripts as follows:

- 1) Child Settings
- 2) Varied Settings
- 3) Early Childhood Education

2. Department of Kinesiology

ADD: Title of degree tracks to transcripts as follows:

- 1) Exercise Science
- 2) Health Fitness
- 3) Physical Education Teacher Certification (PETE)
- 4) General

3. Department of Textiles, Fashion Merchandising and Design

a. ADD: The following new courses:

1) **TMD 345 CAD Apparel Design (3)**

Application of flat pattern design using computer-aided design techniques as related to sloper development, sizing, and pattern manipulation. Creative laboratory processes from design to finished product. (Lec. 2, Lab. 2) Pre: 335 or permission of instructor.

2) **TMD 355 Draping for Apparel (3)**

Application of draping techniques for apparel pattern making and design. Includes sloper development and draping in fashion fabric. Creative laboratory processes from design to finished product. (Lec. 2, Lab. 2) Pre: 335 or permission of instructor.

b. CHANGE: Credits for TMD 335 to "3"; method of instruction to "(Lec. 2, Lab. 2)" and description to read as follows:

Application of flat pattern design. Special emphasis on sloper development and pattern drafting. Creative laboratory processes from design to finished product.

F. Section 8.81.80 of the UNIVERSITY MANUAL

Amend section 8.81.80 to read as follows (change is in ***bold italics***)

8.81.80 Course Jurisdiction. The content, textbook, over-all conduct and method of presentation of single section courses shall be the responsibility of the instructor. The administration of multi-section courses shall be determined by departments. ***Modifications that significantly change a course (e.g. lecture to online offering, lecture & lab to lecture) require approval through the proper curricular channels (e.g. college curriculum committees) to the Curricular Affairs Committee to the Faculty Senate.***

G. Honors Program

CHANGE: Credits for HPR 201, 202 to "3 or 4 each;" method of instruction to "(Lec. 2-3, Rec. 1-2)" and description by adding "May be repeated for a maximum of 8 credits each."

S E C T I O N III

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

At the March 26 and April 23 meetings of the Curricular Affairs Committee and the March 30 and April 20 meetings of the Graduate Council, the following matters were considered and are now presented to the Faculty Senate.

A. Informational Matters

1. College of Business Administration

- * a. CHANGE: Description for BUS 460 to read as follows:

Examines factors that impact on the design and management of global supply chains. Explores impact of supply chain activities on a firm's strategies through simulation and cases.

- * b. CHANGE: Prerequisites for the following courses:

- 1) BUS 422, 423 to "Pre: 321."
- 2) BUS 445 to "Pre: 202 and 320 and 340 or 341 and 355 and 365 and 315 or 315 concurrently and senior standing in the College of Business Administration."
- 3) BUS 459 to "Pre: 110 and 211 or 212 or permission of instructor."
- 4) BUS 461 to "Pre: 110 and 211 or 212 or permission of instructor."

2. College of Engineering

a. Department of Electrical, Computer and Biomedical Engineering

CHANGE: Prerequisites for the following courses:

- * a) ELE 400 to "Pre: (205 or 208) and 212."
- b) ELE 401 to "Pre: ((205 or 208) and 313 and 322 and 331 and 342) or permission of instructor,"
- c) ELE 405 to "Pre: (305 and 306) or permission of instructor."
- d) ELE 408 to "Pre: (305 and 313 and 342) or permission of instructor."
- * e) ELE 423 to "Pre: (313 and 322 and 342) or permission of instructor."
- f) ELE 427 to "Pre: (313 and 322 and 331 and 342) or permission of instructor."
- g) ELE 432 to "Pre: (313 and 322 and 331 and 342) or permission of instructor."
- h) ELE 436 to "Pre: ((215 or 342) and 314 and EGR 106) or permission of instructor."
- i) ELE 437 to "Pre: ((205 or 208 or CSC 211) and (436 or MTH 451 or IME 411) or permission of instructor."
- j) ELE 438 to "Pre: 208 or MTH 362 or MTH 451 or IME 411 or junior or senior standing in computer science or permission of instructor."
- k) ELE 444 to "Pre: ((205 or 208) and 313 and 342)) or permission of instructor."

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

- l) ELE 447 to "Pre: (202 and 342 and 313 and PHY 204) or permission of instructor."
- m) ELE 457 to "Pre: ((205 or 208) and 314) or permission of instructor."
- n) ELE 458 to "Pre: ((205 or 208) and 314 and 342) or permission of instructor."
- o) ELE 480 to "Pre: ((205 or 208) and 313 and 342) or permission of instructor."
- p) ELE 481 to "Pre: (205 or 208) and 313 and 342 and permission of instructor."
- q) ELE 482 to "Pre: ((205 or 208) and 313 and 342) or permission of instructor."
- * r) ELE 491, 492, 493 to "Pre: permission of instructor."

b. Department of Industrial and Manufacturing Engineering

- 1) CHANGE: Description for IME 411 to read as follows:

IME 411 Probability and Statistics for Engineers (3)

Introduction to probability and statistics in engineering applications including data analysis, probability theory, random variables, probability distributions, sampling and sampling distributions, and statistical inference.

- 2) CHANGE: Description and prerequisite for IME 432 to read as follows:

IME 432 Operations Research: Deterministic Systems (3)

Introduction to major areas of operations research and their application to systems analysis. Linear programming, transportation and transshipment models, elementary network analysis, integer programming, and related topics. Pre: MTH 243 and 362, or permission of instructor.

- 3) CHANGE: Description and prerequisite for IME 433 to read as follows:

IME 433 Operations Research: Stochastic Systems (3)

Markov chains, dynamic programming, queuing theory, simulation, forecasting, game theory, simple stochastic models, and their relation to selected problems. (Lec. 3)
Pre: 411 and MTH 362 or permission of instructor.

- 4) CHANGE: Description and prerequisite for IME 451 to read as follows:

IME 451 Industrial Engineering Design I (3)

Stochastic and deterministic models of production and inventory systems. Aggregate planning, push and pull

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

production control systems, lean production systems, scheduling. (Lec. 3) Pre: 432 and concurrent enrollment in 433 or permission of instructor.

5) CHANGE: Description for IME 452 as follows:

IME 452 Industrial Engineering Design II (3)

A team project approach to industrial engineering design including assembly lines, transfer lines, scheduling, cellular manufacturing, flexible manufacturing facilities, operation and material flow design; facilities design and operation; production systems design.

6) CHANGE: Prerequisite for IME 491, 492 to "Pre: permission of instructor."

c. Department of Mechanical Engineering and Applied Mechanics

* 1) CHANGE: Title, description, method of instruction and prerequisite for the following courses:

a) **MCE 401 Mechanical Engineering Capstone Design I (3)**

Application of engineering skills using a team-based approach. Design process methodology and communication of solutions to real-world engineering problems. First of a two-course sequence. (Lec. 2, Lab. 3) Pre: 302 and 366 and 448 and CHE 333 and IME 240. Must be taken in the semester prior to 402. Not for graduate credit.

b) **MCE 402 Mechanical Engineering Capstone Design II (3)**

Application of engineering skills using a team-based approach. Design process methodology and communication of solutions to real-world engineering problems. Second of a two course sequence. (Lec. 2, Lab. 3) Pre: 401. Must be taken in the semester following 401. Not for graduate credit.

2) CHANGE: Prerequisite for MCE 434 to "Pre: 341."

B. Curricular Matters Which Require Confirmation by the Faculty Senate.

1. College of Arts and Sciences

Film Studies Program, Department of English and comparative Literature Studies

ADD: **FLM 451 (or ENG 451 or CLS 451) Advanced Topics in International Film Media (4)**

Study of international film genres from one or more national,

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

regional or diasporic cultures and traditions. Emphases on theoretical, historiographic and media research methods. (Lec. 3, Lab. 2) Pre: junior standing or permission of the instructor. FLM 204 or 205 recommended. May be repeated for a maximum of 8 credits with change of emphases or topics.

2. College of Business Administration

ADD: The following new courses:

*1) **BUS 424 Fixed Income Security Analysis (3)**

Designed to acquaint students with the institutional arrangements and pricing of various fixed income securities such as convertible bonds, mortgage loans and mortgage-backed securities. (Lec. 3) Pre: 320 and 322. Not for graduate credit.

2) **BUS 462 Supply Chain Network Modeling & Optimization (3)**

Factors and practices necessary for modeling/designing existing networks, and developing optimal networks using contemporary technologies. Modeling and optimization of global sourcing and distribution networks. (Lec. 3) Pre 320 and 322 or permission of instructor.

3) **BUS 463 Advanced Concepts in Supply Chain Management (3)**

Advanced concepts in supply chain management and operations management such as demand management; multi-location inventories, capacity planning and control; theory of constraints. (Lec. 3) Pre: 355 or permission of instructor.

3. College of Engineering

Department of Ocean Engineering

* CHANGE: Grading method for OCE 416 to letter grades.

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