

## UNIVERSITY OF RHODE ISLAND FACULTY SENATE

May 7, 2015

### Faculty Senate Curricular Affairs Committee Five Hundred and Twenty-Fourth Report

At the April 20, 2015 meeting of the Curricular Affairs Committee, the following matters were considered and are now presented to the Faculty Senate.

#### SECTION I Informational Matters

#### COURSE CHANGES

##### A. College of Arts and Sciences:

###### Add prerequisite:

###### **CSC 106, The Joy of Programming (4 crs.)**

The art of problem solving through computer programming. Students explore innovative and cutting edge applications that may include mobile apps, multimedia, computer games, puzzles, robotics, graphics and animation, social networking, physical computing. (Lec. 3, Lab. 1) Not open to students with credit in CSC courses at 200-level or above.

###### Change prerequisite:

###### **CSC 340, Applied Combinatorics (4 crs.)**

Combinatorial problem-solving for computer science. Set theory and logic, proofs by induction and contradiction, elementary probability; arrangements, selections, distributions, binomials, inclusion-exclusion; recurrence relations and their solution; graph theory, trees, networks. (Lec. 4) Pre: CSC 212 and MTH 141, and student must be admitted to a degree-granting college. Student may not receive credit for this course and CSC 447.

**SOC/PSC 476, Policy Issues in Criminal Justice (3 crs.)**

Cross-listed as (SOC), PSC 476. Examination of current and proposed criminal justice policies in light of social science theory and research, including capital punishment, community policing, gun control, intermediate sanctions, legalization of drugs, mandatory sentencing, privatization of prisons, restorative justice. (Seminar) Pre: SOC 274, 274H (or PSC 274, 274H), and SOC 301, or permission of instructor.

**SOC 497, Field Experience in Sociology (3-6 crs.)**

Field experience in an approved government agency or non-profit organization; practice in applying sociological concepts and methods to the analysis of problems faced by the agency and/or its clients, exploration of career opportunities. (Practicum 3) Pre: Junior or senior standing and 6 credits in SOC beyond 100. May be repeated for a maximum of 6 credits. Not for graduate credit. Open only to Sociology majors and permission of instructor.

**B. College of Human Science and Services:**

**HDF 301, Early Childhood Curriculum I: Introduction to Curriculum (4 crs.)**

Theoretical foundations and practical applications of early childhood curriculum as a framework including process, content, context, teaching and facilitating. Includes 3 hour weekly practicum in diverse early childhood classrooms. (Lec. 3, Practicum 1) Pre: Admission to the Early Childhood Education Teacher Certification program, or HDF 203, or permission of the instructor.

**ONLINE COURSES**

**The CAC has approved the following courses for online offering:**

COM 100, Communication Fundamentals (Online version for accelerated 7-week online programs only.)

**SECTION II**  
**Curricular Matters Which Require Confirmation by the**  
**Faculty Senate**

**NEW COURSES**

**A. College of Arts and Sciences:**

**AME 204, Introduction to American Studies (4 crs.)**

A critical examination of the field of American Studies, with emphasis on interdisciplinary methods. Required for the undergraduate Minor in American Studies. (Lec. 3, Online 1)

**COM 191, Topics in Communication Studies (1-3 crs.)**

Study of select topics in Communication Studies. Subjects vary by availability. May be taken twice with different topics. (Lec. 1-3) Pre: permission of instructor.

**MTH 209, Numeracy for Teachers II (4 crs.)**

This course is a continuation of MTH 208, including conceptual understanding supporting mathematical ideas presented in current, standards-based elementary mathematics education. An in-depth look at functions, relations, fractions, decimals, percentages, probability and statistics, sets, logic, and additional work in geometry. (Lec. 3, Rec. 1) Pre: C- or better in MTH 208.

**SCM 101, Introduction to Communication and Media (3 crs.)**

Contemporary trends in communication and media, including how each branch of media--print, video, audio--relates to and influences the others so that old and new media converge. (Lec. 3/Online) Online version for accelerated 7-week online programs only.

**SOC 450, White Collar Crime (3 crs.)**

An examination of white collar crime; its types, causes, consequences, and legal and public policies designed to control it. Topics include occupational, corporate, political, and human rights crimes. (Seminar 3) Pre: Open only to juniors and seniors. Not for graduate credit.

**B. College of Environment and Life Sciences:**

**GEO/NRS/EEC 234 Introduction to Water Resources (3 crs.)**

Cross-listed as (GEO), NRS, EEC 234. Introduction to science and policy related to managing fresh water resources, fundamentals of hydrologic processes, importance of water to human society, environmental impact of water use, global water issues. (Lec. 3)

**PLS/NRS 375, Soil Fertility and Plant Nutrition (3 crs.)**

Cross-listed as (PLS), NRS 375. Soil supply and plant demand for mineral nutrients, production challenges and select environmental concerns (Lec. 3) Pre: NRS 212.

**PLS 385, Agroecology and Global Food Systems (3 crs.)**

A study of agriculture and food during production, distribution and use as it relates to country, culture and science. (Lec. 3)

## **COURSE CHANGES**

**A. College of Arts and Sciences:**

**Change number of credits:**

**FLM 101, Introduction to Film Media (4 crs.)**

Introduction to techniques of film practice, film history, genres, analysis of film texts, and reading of film images in their aesthetic, cultural, and literary context. (Lec. 4/Online)(A) [D]

**FLM 101H, Honors Section: Introduction to Film Media (4 crs.)**

Honors Section of FLM 101: Introduction to Film Media. (Lec. 4/Online) Pre: Must have a 3.30 overall GPA. (A) [D]

**FLM 203, Film Theory (4 crs.)**

An introductory survey of classical and contemporary approaches to film theory and criticism. (Lec. 4)(A) [D]

**FLM 204, History of Film I (4 crs.)**

A survey of world cinema from its invention in the 1890's to the early 1950's, examining the production, distribution, and exhibition of narrative, documentary and experimental, among other forms of film. (Lec. 4/Online)(A) [D]

**FLM 205, History of Film II (4 crs.)**

A survey of world cinema from the 1950's to the present time, examining the production, distribution and exhibition of narrative, documentary and experimental among other forms of film. (Lec. 4/Online) (A) [D]

**FLM 495, Seminar in Film Media (4 crs.)**

An intensive, interdisciplinary capstone course; exploring writings and ideas about film across two or more fields of study; or examining cross-cultural themes and issues in world cinema. Topic to be announced. (Seminar) Pre: FLM 101 and 203 or ENG 302 or permission of instructor.

**FRN 498, Directed Study (1-3 crs.)**

For the advanced student. Individual research and reports on problems of special interest. (Independent Study) Pre: Acceptance of a project by a faculty member and approval of section head.

**Change description, prerequisites, and method of instruction:**

**STA 220, Statistics in Modern Society (3crs.)**

Introductory statistics exploring and understanding data, relationships between variables, randomness and probability.(Lec. 2, Rec. 1/Online) Online version for accelerated 7-week online programs only. (MQ)

**B. College of Business:**

**Change title and description**

**BUS 360, Introduction to Transportation & Logistics (3 crs.)**

Introduces the basic concepts in the design, operation, and control of global transportation and logistics systems. Specifically introducing Transportation Management, Warehouse Management, and Order Management systems. (Lec. 3) Pre: Junior standing in a degree-granting college.

**C. College of Environment and Life Sciences:**

**Change title, description, and prerequisite:**

**BCH 412, Advanced Biochemistry Laboratory I(3 crs.)**

An introduction to laboratory biochemical techniques and methods for the purification and analysis of biological macromolecules, in particular, DNA and protein. (Lab. 6) Pre: BCH 311 and BCH 312 or MIC 211, or by permission of instructor.

**D. College of Human Science and Services:**

**Change method of instruction:**

**KIN 121, Principles of Youth Fitness (1 cr.)**

Principles of exercise as it relates to children and adolescents. Emphasis on teaching principles of aerobic exercise, flexibility, and resistance training. (Studio)

**KIN 122, Human Anatomy and Physiology (4 crs.)**

Structure and function of organ systems of the human body with emphasis on applications to human health. (Lec. 3, Online 1)

**KIN 125, Group Exercise Instruction and Leadership (2 crs.)**

This course will familiarize students with basic group exercise standards and guidelines, develop basic teaching skills, and develop skills in designing and teaching group exercise classes to apparently healthy adults. (Studio)

**KIN 320, Fundamentals of Resistance Training (3 crs.)**

Scientific and theoretical basis of strength training reinforced with hands-on laboratory experiences. Training techniques, safe and effective program design and program modifications are emphasized. (Lec. 3) Pre: BIO 121, BIO 242, KIN 300.

## **CURRICULUM CHANGES**

**A. College of Arts and Sciences:**

**1) Creation of AME (American Studies) course code and Undergraduate AME minor: (See Appendix A)**

The proposed American Studies Minor (provisional course and program code AME) provides an institutional framework for interdisciplinary study at the University of Rhode Island, integrating field specializations across the campus community and curriculum. That the University does not already underwrite a comparable program of study is somewhat anomalous, given URI's demonstrated commitment to interdisciplinarity – and given as well the status of American Studies as the original inter-discipline in the United States.\* Since its early twentieth-century inception, American Studies has been an open forum for serious, sustained reflection on America's changing ideals and identities. American Studies as such has enabled several generations of students to inquire into the evolving bases of life in and around the porous borders of this country.

**2) Propose the following changes to Bachelor of Arts in Computer Science: (See Appendix B)**

Add STA 307 to the list of math classes that students may take.  
Add MTH 131 to the list of math classes that students may take.  
Add CSC 436 to the list of programming classes that students may take.

**3) Propose the following changes to Bachelor of Science in Computer Science: (See Appendix B)**

Add STA 307 to the list of math classes that students may take.  
Add CSC 436 to the list of programming classes that students may take.

**4) Propose the following changes to the Minor in Computer Science:  
(See Appendix B)**

We are proposing to change the course requirements for the minor in Computer Science. We have added CSC 106 as an introductory course for Computer Science majors to better prepare them for the later course, CSC 211. CS minors should have the same introductory course. We are removing CSC 301 from the minor in order to keep it within 24 credits. We have also added MTH 131 as an option in place of MTH 141.

**5) Propose the following changes to the Minor in Cyber Security:  
(See Appendix B)**

We are requesting to add language restricting students who are pursuing both the Digital Forensics minor and the Cyber Security minor to take at most one course that will count towards both minors.

**6) Propose the following changes to the Minor in Digital Forensics:  
(See Appendix B)**

We are requesting to add language restricting students who are pursuing both the Digital Forensics minor and the Cyber Security minor to take at most one course that will count towards both minors.

**7) Propose the following changes to the BA in Film/Media: (See Appendix C)**

Film/Media is making three changes to the requirements for the major: 1) FLM 101/101H is removed as a core required course and made a required prerequisite; 2) FLM 110 becomes a core required course; 3) the number of required FLM elective credits is dropped from 6 credits to 3 credits. The end result of this is that the FLM major will require 31 credits to fulfill (instead of the current 30 credits).

Film/Media would like to add JOR 221 as a production course to its already existing list of interdisciplinary production courses (see attached curriculum worksheet), in place of the existing JOR 230. JOR 230 has been discontinued by the JOR program and is no longer in the course catalog. Film/Media is removing JOR 230 from our list of courses that count towards the FLM major/minor.

**8) Propose the following changes to the BA in Italian: (See Appendix D)**

We request that students in the new dual degree programs of Engineering and Italian (Italian IEP), Business and Italian (Italian IBP) as well as students in the B.S. program in TMD and Italian be able to use one of their Italian literature courses toward the general education literature requirement and be exempt from the one course per discipline rule in Letters, Social Science and Natural Science. This will bring the Italian IEP and IBP in line with the German, French, Spanish and Chinese IEP, all of which have this provision.

**9) Propose the following changes to the BS in Math Applied Option and MTH minor: (See Appendix E)**

- Add STA and NRS courses to the Applied Mathematics Option to allow for students to concentrate in Statistics track within the Applied Mathematics Option.
- Add ECN327 and ECN328, since ECN323 and ECN324 are not offered regularly. These courses are important for students pursuing the Pre-Actuarial track and Math Financial track within the Applied Math option.
- Add CSC106 as a choice to the following choices: CSC 200, 201, 211, 212, PHY 410, or CHE 272. This addition is for students who do not have any programming experience.
- Change CSC350 to CSC450. The course number was already changed by computer science department last year.
- Add MTH244 to the list MTH 307, 316, 322, or any 400-level course for the minor of mathematics. Many EGR and PHY majors take MTH244 as a requirement for their major. This will allow more students to get a minor in mathematics.

**10) Propose the following change to the BOM in Music Education: (See Appendix F)**

Add EDC 485 (Seminar in Teaching) to required courses for the Bachelor of Music, Music Education program. EDC 485 is a requirement to be taken concurrently with EDC 484 (Supervised Student Teaching) to make up the student teaching experience. Adding this course to the University Catalog will correctly reflect the requirements for the program, as this course is currently required and taken by most students in the Music Education Program.

Increase the total number of credits for the Bachelor of Music, Music Education program from 128 to 131 to account for this required course.

**B. College of Business:**

**1) Propose change to allow using professional elective or liberal elective: (See Appendix G)**

We wish to give our students more options when selecting electives. Our current curriculum does not allow our majors, except for those in General Business, to take professional electives (any course at the 300 or 400 level). Professional electives can be in any college including Business. This change will allow students to take electives within fields of Business outside of their major.

The catalog description of five of our majors (Accounting, Entrepreneurial Management, Finance, Marketing and Supply Chain Management) will now indicate that one elective can be either a liberal or a professional elective.



## **C. College of Engineering:**

### **1) Propose the following changes to the Bachelor of Science in Civil Engineering: (See Appendix H)**

Civil engineering students, as part of their BS degree, are required to take one “engineering elective” which needs to be one of three courses, namely: CHE333, ELE220, and MCE341. We would like to add a fourth course in this group, MTH215, and rename the group from “engineering elective” to “technical elective.

## **D. College of Environment and Life Sciences:**

### **1) Creation of CMB (Cell and Molecular Biology) Course Code: (See Appendix I)**

For historic reasons, the Department of Cell and Molecular Biology offers two sets of courses on the Kingston campus, with the course codes of BCH and MIC, respectively. Now the name of the major, name of the degree and the name of the graduate specialty have all been unified with the name of Cell and Molecular Biology, we would like to request the creation of the CMB course code. We will then convert all BCH and MIC course codes to a CMB course code.

### **2) Creation of a CMB Major General Track: (See Appendix J)**

Currently the Department of Cell and Molecular Biology offers a degree in Cell and Molecular Biology with three tracks: biochemistry, biotechnology and microbiology. All three tracks share many common courses and each track also has a set of its own specific courses. We propose to offer a CMB degree general track, so that a student can take a combination of courses chosen from the list of courses specific to each of the tracks. The benefit of this “general track” major is that it gives the student flexibility in choosing courses from the cell and molecular biology area without the restrictions of the tracks. The student will still get an excellent training in cell and molecular biology without specializing in one of the track areas.

### **3) Propose the creation of an Interdisciplinary Minor in Restoration Science and Management: (See Appendix K)**

Faculty from the College of Environment and Life Sciences (CELS) propose a minor in restoration science and management (RSM). RSM students will (A) take courses from departments across CELS in order to gain necessary interdisciplinary skills that are directly relevant to restoring or rehabilitating damaged ecosystems, (B) acquire competencies in undertaking restoration that complement their individual majors, (C) become highly competitive for employment or graduate study in government, NGO, business and academic sectors that focus on restoration, sustainability, and resiliency.

Minor Elements:

- Total of 18 credits with at least 13 credits at or above the 200-level
- 7 credits of required courses
- 11 or more credits of supporting electives which must include 3-6 credits of experiential or hands on learning with a restoration project
- Students who want to use other courses that have as their central focus some aspect of ecosystem restoration may do so with permission from the program director.
- Flexible intermediate-level framework of courses drawn from existing, relevant classes related to restoration
- Experiential learning on and off campus
- Multidisciplinary classroom experiences
- Opportunities for independent study and/or internships with partner organizations
- Networking opportunities

**E. College of Human Science and Services:**

**1) Propose the following changes to the Health Studies Program: (See Appendix L)**

We are proposing an increase to 2.5 in the minimum GPA to become a Health Studies major. In addition, we are proposing the students be required to earn a C or higher in the Health Studies classes (HLT 200 and HLT 450).