

UNIVERSITY OF RHODE ISLAND FACULTY SENATE
April 18, 2019

Faculty Senate Curriculum and Standards Committee
Report 2018-2019-12

At the April 4, 2019 meeting of the Curriculum and Standards Committee, the following matters were considered and are now presented to the Faculty Senate.

SECTION I
Informational Matters

GCH 101G or 102G TOPICS FOR GENERAL EDUCATION:

GCH 101G: Interdisciplinary Topics in Civic Knowledge and Responsibilities

(3-4 crs.) Study of important contemporary interdisciplinary topics with substantial relevance to civic knowledge and responsibilities, incorporating substantial attention to ethics. (Lec. 3-4) (C1) (GC)

Topic: U.N. Sustainable Development

(C1, B2-p, GC)

U.N. Sustainable Development Goal 4: Advocating for Quality Education as a Viable Pathway out of Poverty for African youth and families. (Lec. 3) (C1) (GC)

Topic Proposed by: Lynne Derbyshire, Honors Program

SECTION II
Curricular Matters Which Require Confirmation by the
Faculty Senate

COURSES CHANGES:

College of Health Sciences:

KIN 375G, Exercise is Medicine

(Remove prereq.)

(3 crs.) Explores the biological and physiological mechanisms related to physical activity and exercise-induced enhancement of physical and mental health. (Lec. 3) (A1) (B4) (GC)

College of Arts & Sciences:

APG 401, Anthropological Theory and Practice

(Change title, descript, prereq)

(3 crs.) Overview of historical and contemporary anthropological theory; read major theoretical works by anthropologists to examine how they inform cultural theory, help us formulate cultural analysis and understandings of sociocultural life. (Seminar) Pre: APG 200 or 203, and junior standing; or permission of instructor."

PRS 360, Strategic Sport Communication & Media

(Change prereq.)

(3 crs.) This course introduces effective communication and public relations strategies and techniques within an organizational and professional context for sports. Students will explore various communication careers in sports as well as develop skills in print, online, broadcast and social media for sports. (Lec. 3) Pre: COM 203 or PRS 100 or PRS 340 or permission of the instructor.

PSC 472, Civil Liberties

(Change prereq.)

(4 crs.) The problem of human freedom examined in the context of the fundamental rights guaranteed to individuals by the American Constitution. Emphasis on religious liberty, freedom of expression, racial equality, fair criminal procedures, and the protection of personality and privacy. (Lec. 3, Project 3) Pre: PSC/SOC 274 or PSC 334 or PSC 371 or PSC 388. Not for graduate credit. (D1)

PSC 482, Political Science Seminar

(Allow for repeat to 8 credits)

(4 crs.) Intensive studies in various important fields in political science. Class discussion of assigned readings and student reports. Emphasis on independent research. (Seminar) Pre: PSC 210 or PSC 211 or PSC 310. May be repeated up to two times for a total of 8 credits with a different topic.

College of Business:

BUS 301, Intermediate Accounting I

(Change description)

(3 crs.) Theoretical aspects of accounting principles and their application to preparation and analysis of corporate financial statements. Valuation, recognition and disclosure relative to current and long-term assets and revenue recognition. (Lec. 3) Pre: BUS 201 or 201H or permission of instructor. May be repeated once.

BUS 302, Intermediate Accounting I

(Change description)

(3 crs.) Continuation of corporate financial reporting. Topics include stockholder's equity, earnings per share, income taxes, current liabilities, bonds, leases, accounting changes, and statement of cash flows. (Lec. 3) Pre: BUS 301 with a grade of C or better and junior standing in a degree-granting college or permission of instructor.

BUS 220 (320), Financial Management

(Change course number)

(3 crs.) Study of the basic principles of finance and the applications of these principles. Topics include time value of money, risk and return, valuation, capital budgeting and other corporate financial decisions. (Lec. 3) Pre: ECN 201 or ECN 201H or EEC 105, and BUS 201 or 201H, and BUS 210 or STA 308.

BUS 401, Accounting Computer Systems**(Change prerequisite)**

(3 crs.) Accounting information systems and use of the computer for decision making; emphasis on sources of information and employment of analytical tools in solving accounting problems. (Lec. 3) Pre: BUS 301 or concurrent enrollment in 301, BUS 310 or current enrollment in BUS 310, and junior standing in a degree granting college or permission of instructor.

BUS 402, Advanced Accounting**(Change description)**

Consolidation accounting, international accounting issues, and other accounting issues facing multinational, multi-divisional and other complex organizations. (Lec. 3) Pre: BUS 302 or permission of instructor.

College of Engineering:**ELE 423, Electromagnetic Fields II****(Change credits 4-3 and prereq.)**

(3 crs.) Transmission lines, Maxwell's equations, wave equation, reflection and refraction phenomena, polarization effects waveguides and antennas. Design project requiring application of electromagnetic theory and use of numerical methods. (Lec. 3) Pre: (ELE 313, 322, 338, 339, and (credit or concurrent enrollment in 424)) or permission of instructor.

ELE 458, Digital Control Systems**(Change prereq.)**

(3 crs.) 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. (Lec. 3) Pre: ((205 or 208 or BME 207) and 314 and ((338 and 339) or (BME 360 and 361)) and (credit or concurrent enrollment in 459)) or permission of instructor.

ISE/PSY 420, Introduction to Human Factors and Ergonomics**(Add Not for grad credit)**

(3 crs.) Cross-listed with (ISE), PSY 420. A study of human capabilities and their interactions with the systems where they perform their jobs to help engineers and psychologists to optimize design, improve jobs, and enhance system performance. (Lec. 3) Pre: ISE 311 (411) / MCE 411 or STA 412 or permission of instructor. Not for graduate credit.

OCE 206, Ocean Measurements and Instrumentation**(Change credits 4-3)**

(3 crs.) Ocean measurement and instrumentation exercises using boats and laboratories. Includes acceleration, force, wave characteristics, and sediment properties. Application of several techniques related to data sampling and signal processing. (Lec. 2, Lab. 1) Pre: OCE 205, PHY 204 and PHY 274 (or PHY 204H, 274H), or permission of instructor.

OCE 408, Introduction to Engineering Wave Mechanics and Littoral Processes (Chng prereq)

(4 crs.) Description of coastal area. Linear wave theory and applications. Sediment transport and beach dynamics. Coastal protection methods. Coastal engineering problem solving with Matlab. (Lec. 4)

OCE 495, Ocean Systems Design Project I**(Change prereq)**

(3 crs.) Capstone design of an ocean system under the direction of a faculty advisor. Project must include engineering, economic, environmental, safety, and societal considerations. This is first of a two-course ocean engineering design sequence. Pre: OCE 394, senior standing and permission of instructor. Not for graduate credit.

College of Pharmacy:**PHP/BPS 415, Immunology and Immunotherapeutics****(Change course number, title, credits, descrip, prereq)**

(3 crs.) The pathogenesis, etiology, epidemiology, symptomatology, and diagnosis and treatment of autoimmune diseases. The pharmacology and medicinal chemistry of anti-inflammatory, immunosuppressives, and solid-organ graft rejection medications. (Lec. 3) Pre: Second-year Doctor of Pharmacy student (P2) or permission of the instructor.

College of Environment and Life Sciences:**AVS 304 (104), Advanced Animal Management Techniques****(Change title, number, descrip., prereq.)**

(2 crs.) Hands-on course in advanced animal handling and management skills needed to maintain animal health and productivity. (Lec. 1, Lab. 1) Pre: AVS 101 and AVS 102 as well as either AVS 323 or AVS 324.

Alan Shawn Feinstein College of Education and Professional Studies:**SPC 210, History of Organizational Theory for Nonprofit Institutions** **(Change title, description)**

(3 crs.) Planning and evaluation of organizational changes are explored, with emphasis on behavioral practices, contemporary concepts, terminology, models, methods and interventions of organizational development for nonprofit institutions. (Lec 3.)

NEW COURSES:**College of Arts & Sciences:****PRS 370, Sport Branding in the Digital Age**

(3 crs.) This course examines digital branding within the context of the sport media industry. It covers foundations of branding while applying lessons to real-life cases in sport. (Lec. 3) Pre: COM 100 or PRS 100, and COM 203 or permission of the instructor.

College of Engineering:**ELE 424, Electromagnetic Fields II Laboratory**

(1 cr.) Laboratory exercises related to topics in ELE 423. (Lab. 1) Pre: Credit or concurrent enrollment in ELE 423.

OCE 315, Hydrodynamics Laboratory for Ocean Engineers

(1 cr.) Supplemental fluid mechanics and hydrodynamics laboratory for ocean engineers enrolled in fluid mechanics. Covers topics in model testing, force coefficients, potential flow, lifting surfaces, and external fluid flows. (Lab. 1) Pre: Credit or concurrent enrollment in MCE 354 or permission of instructor.

OCE 394, Design Applications in Ocean Engineering

(3 crs.) Application of fundamental design principles for an ocean floating structure. Incorporation of regression analysis, hydrostatic analysis, structural mechanics, and environmental loading in an ocean system concept design. (Lec. 2, Lab. 1) Pre: OCE 315 or permission of instructor.

College of Arts and Sciences:**CCJ 333, Ethics in Criminal Justice**

(3 crs.) An overview of the study of ethics in criminal justice. Students will explore the concepts of ethical thought and decision making in the contexts of criminal justice professions and practices. (Lec. 3) Pre: CCJ or SOC major and junior or senior standing; or permission of instructor.

College of Pharmacy:**PHP 407, Pharmacy Law and Social Administrative Sciences III**

(3 crs.) Application of biostatistics used in biomedical research with further emphasis on critique of biomedical literature. Introduction to health insurance and care settings. Continued exploration of law that governs pharmacy practice. (Lec. 3) Pre: PHP 308, Second-year Doctor of Pharmacy student; or permission of instructor. Not for graduate credit.

PHP 408, Pharmacy Law and Social Administrative Sciences IV

(3 crs.) Introduction to pharmacoeconomics and pharmacoepidemiology with emphasis on critique of biomedical literature. Discussion of healthcare quality and accreditation. Continued application of pharmacy law to pharmacy practice. (Lec. 3) Pre: PHP 407, Second-year Doctor of Pharmacy student; or permission of instructor.

College of Business:**BUS 476, Machine Learning for Business Intelligence**

(3 crs.) Use machine learning models in R to solve business problems such as segmenting markets, forecasting demand, analyzing customer reviews, making online recommendations, and predicting consumer preferences. (Lec. 3) Pre: Linear algebra (MTH 215); Statistics (BUS 211, STA 308, OR STA 409); Marketing Principles (BUS 365); - all with grades of C or better, and Junior Standing.

EXISTING COURSE SEEKING GENERAL EDUCATION:

College of Health Sciences:

PSY 301, Research Methods and Design in the Behavioral Sciences (D1, B4)

(change title, description, prereq)

(4 crs.) Examination of methodological principles and research design applied to the behavioral sciences. Students will review scientific literature on an approved topic, collect and analyze data, and interpret results to prepare research reports. (Lec. 3, Lab.2) Pre: PSY 200 or 200H; WRT 104 or 106. (D1) (B4)

College of Arts and Sciences:

PSC 434, American Foreign Policy

(change prereq) (D1) (C2)

Analysis of the institutions, techniques, and instruments of policy making and the execution of foreign policy. (Lec. 3, Project 3) Pre: PSC 210 or 211 or 310 or permission of instructor. Not for graduate credit. (D1) (C2)

SOC 495, Capstone in Sociology

(change title, description) (D1) (B1-p)

(3 crs.) Integration and application of students' sociological knowledge and skills by examining their education from a sociological perspective. Reflexive analyses of higher education and students' preparation for participation in work and democracy. (Seminar) Pre: senior standing; open only to sociology majors. Not for graduate credit. (D1)

NEW COURSES SEEKING GENERAL EDUCATION:

College of Health Sciences:

CMD 280G, The Real Reason for Brains

(D1, B4-partial, GC)

(3 crs.) This course provides a foundation in normal anatomy and physiology of communication and movement and the impact of neurological disorders with an emphasis on clinical relevance. (Lec. 3) Pre: Sophomore standing and one of the following: BIO 101, CMD 160, KIN 122, or PSY 113. (D1) (GC)

NEW PROGRAMS:

College of Arts & Sciences:

Department of Modern and Classical Languages and Literatures:

Creation of a Global Language and Area Studies major in the BA degree:

The Global Language and Area Studies (GLAS) major is a Bachelor of Arts umbrella major for several language tracks, at present Arabic, Classics and Japanese, though the underlying design could be used for future language programs as well. The goal of the major is to bring students to a basic level of

linguistic proficiency, knowledge of areas studies, with further specialization in one of the above areas and a basic command of frameworks for linguistic and cultural analysis. All GLAS tracks have a similar structure: each has a minimum of 33 credits, 1 introductory course, 4 semesters of language study, 1 course in relevant area studies, 1 additional course in relevant area studies or additional language study, a capstone course, and sufficient relevant electives to reach the minimum of 33 credits, based on a list of relevant courses. The introductory and capstone courses are taken by students in all tracks, creating a shared experience for all majors. The parallel structure of the tracks likewise ensures similar experiences for all majors and allows us to specify minimum outcomes for the program. It also allows for the program to expand to include other languages in the future by providing a clear template for new tracks.

Communication Studies Department:

Creation of a BA - Sports Media and Communication major

In URI's BA program in sports media and communication studies students gain critical and theoretical knowledge and practical experience in sports media, including, but not limited to, sports journalism, broadcasting, public relations, writing, communication, and sports data and analytics. Courses range from critical-cultural analysis to quantitative and critical-analytical studies of sports media and communication. Course work is coupled with practical and professional experience in various aspects of the sports media and communication industry via a required internship. The program allows students to tailor specializations for careers in the sports media and communication industry by providing recommended elective courses across three suggested sequences from a variety of programs in the Harrington School of Communication and Media. While students play an important role in curriculum planning, his or her program is closely supervised by an academic advisor.

Courses outside the program that relate to the student's needs and goals are encouraged. Students selecting this major may pursue sequences in sports culture, media and society, sports media production, or strategic sports communication and information. The planned curriculum below is based on a **30-credit major**.

PROGRAM CHANGES:

College of Health Sciences:

BS Human Development and Family Studies

(see Appendix A)

HDF faculty have voted to remove HDF450 (Introduction to Counseling) as a required professional elective course in the major. It will continue to be offered as a professional elective that is 'highly recommended but not required.' The purpose of this change is to allow students interested in counseling careers the option to take the course, but not require students who are interested in other career paths to take the course. Additionally, HDF450 is a highly intensive course which requires smaller class sizes, and offering it to all majors is a scheduling challenge.

College of Business:

BS, Textiles, Fashion Merchandising, and Design

(see Appendix B)

ADD to major requirements "CSC 101 or BUS 110"

“The following core courses are required: TMD 103G, 126, 224, 232, 3031, 313, 402, 4332; one of the following: TMD 240, 426, 440, or 441; ART 101, 207; ART 120, 251, or 252; CHM 101/102 or 103/105; ECN 201 and 202; CSC 101 or BUS 110, one of the following natural sciences: BIO 105, MIC 190, NFS 207 or 210, PHY 111/185 or PHY 112/186.”

BS in Business Administration and various spots in catalog (see Appendix C)

Current: BUS 110; Change: BUS 110 or BUS 113; Changes to occur in the catalog for Business Administration and Textile Marketing, and the Business Institutions major, and catalog course prerequisites.

BS in Business Administration - Marketing major (see Appendix D)

The program leads to a BS in Marketing. A major focus of marketing is determining product and service needs of consumers and industries as well as understanding how an organization deals with these marketing issues. The courses required of a marketing major give the student a well-rounded view of consumer and organizational needs.

Change required core courses and add a list of elective students must choose from.

Minor in Textiles, Fashion Merchandising and Design (see Appendix E)

Students declaring a minor in TMD must earn 18 credits, including TMD 103G. At least 12 credits must be at the 200-level or above. At least 9 credits must be earned at URI. Up to 3 credits of internship (TMD 461) can be applied to the minor. Students must meet all appropriate prerequisites. TMD majors have priority for enrollment in high-demand classes. Visit the TMD minor web page (<https://web.uri.edu/tmd/tmd-minor>) for suggested courses in the various TMD specializations.

College of Engineering:

All Engineering Degree Programs: (see Appendix F)

Add the statement “and complete at least 120 credits.” to the graduation requirements to the catalog copy for all engineering degrees.

B.S. Computer Engineering: (see Appendix G)

The mathematics component of our current curriculum includes three calculus courses (MTH 141, 142, and 243), advanced engineering math (MTH 362), discrete math (MTH/CSC 447) and probability and statistics (MTH 451). To improve our students’ preparation in mathematics we propose removing MTH 362 as a requirement and replacing it by two courses, MTH 215 (linear algebra) and MTH 244 (differential equations). The mathematics department supports this change.

Also, recognizing the intended flexibility of the new general education requirements and the quantity of the requirements already met by required courses in the major, we have modified the appropriate text and footnote so as to not force any student to take unneeded credits beyond 120, the minimum required for BS completion.

B.S. in Electrical Engineering: (see Appendix H)

The mathematics component of our current curriculum includes three calculus courses (MTH 141, 142, and 243), advanced engineering math (MTH 362), and a course on probability and statistics (MTH 451 or ISE 311). To improve our students’ preparation in mathematics we propose removing MTH 362 as a

requirement and replacing it by two courses, MTH 215 (linear algebra) and MTH 244 (differential equations). The mathematics department supports this change.

We are removing ELE 331 Introduction to Solid State Devices from the requirements.

We are concurrently updating a current course that is applicable as a “professional elective” (423/424) and reflecting that newly expected corresponding lab credit in the list of permissible options.

Finally, recognizing the intended flexibility of the new general education requirements and the quantity of the requirements already met by required courses in the major, we have modified the appropriate text and footnote so as to not force any student to take unneeded credits beyond 120, the minimum required for BS completion.

BS Ocean Engineering:

(see Appendix I)

The following changes are being proposed for the undergraduate ocean engineering program:

Sophomore year, spring semester

- the number of credits for OCE 206 (Ocean Measurements and Instrumentation) is reduced from 4 to 3 credits.
- a general education slot is replaced with OCE 213 (Computer Programming for Ocean Engineers)
- the number of credits this semester decreases from 16 to 15 credits.

Junior year, fall semester

- a new, 1-credit lab course, OCE 315 (Hydrodynamics for Ocean Engineers), is added.
- OCE 310 (Basic Ocean Measurement) is removed.
- ISE 311 (Probability and Statistics for Engineers) is added.
- A technical elective course is added. This elective consists of either CVE 354 (Structural Engineering), OCE 360 (Robotic Ocean Instrumentation Design), or MCE 341 (Fundamentals of Thermodynamics).
- Update footnote “2” to reflect at least two (2) of the professional and technical electives must be “OCE” courses
- The number of credits this semester increases from 16 to 17.

Junior year, spring semester

- A professional elective is replaced with OCE 394 (Design Applications in Ocean Engineering).
- The number of credits is unchanged at 18.

Robotics Engineering Minor:

(see Appendix J)

A new course, ELE/MCE/OCE 456, Foundations of Robotics, has been added to the list of required courses for all three Options of the Robotics Engineering Minor. Previously the minor had three required courses and three elective courses for each option. With this change, each option now has four required courses and two elective courses.

Also adding a notation to indicate MCE 366 (MCE BS degree requirement) cannot be used toward satisfaction of the minor for MCE majors

COLLEGE OF ARTS AND SCIENCES:

BA - Criminology and Criminal Justice major:

(see Appendix K)

With the creation of new courses in Criminology & Criminal Justice and participating departments, it is

necessary to update the catalog language. These changes are meant to provide more course options for students in the major and to also include more specific language about the requirements within the program.

PSC 334 (Government Powers and the Law) was approved by the CSC and Faculty Senate in September 2018. Support was included for this course by CCJ, including the addition of this course as an elective for CCJ majors. It will be taught for the first time in Fall 2019.

CCJ 333 (Ethics in Criminal Justice) is being proposed as a new course (included in this package) and will be included as an elective for CCJ majors. This course was previously taught as SOC 300 (Topics in Sociology) during Fall 2017 and Spring 2018.

BA - Philosophy major:

(see Appendix L)

The Department of Philosophy offers a Bachelor of Arts degree. The degree requires 33-48 credits in the major. Philosophy majors must complete no less than 33 credits (maximum 48 credits) in philosophy. Program Requirements include: PHL 205; at least one of PHL 101 or PHL 451 (logic); at least one of PHL 212, 314 (ethics); at least one of PHL 341, 342, 452G (analytic philosophy); both PHL 321 and 323 (history); at least one of 318, 324, 346 (European philosophy); and PHL 490 (senior seminar).

At a department meeting we decided to add PHL 451 (recently cross listed with CSC) to the 341, 342, 452G analytic philosophy group and to add PHL 366 (a recently approved new course) to the 318, 324, 346 European philosophy group. The reasons for this are: 1. 366 is a new course that fits squarely within the European group, 2. 451 fits within the analytic group. 3. By having four or courses within each of these groups and offering them once every two years on a rotating basis, students will have at least one choice from each of these groups every semester making it more likely they can complete their requirements in a timely manner.

BA - International Studies and Diplomacy Program

(see Appendix M)

Below we include our minor changes to existing URI catalog language pertaining to changes in the GPA requirement for entering the DGC from UC as well as adjustments to our admission requirements for the program.

In addition to the minor curricular and admission revisions, we also request a notation in the “milestones” section in the Official URI Transcript to be noted “Completion of the International Studies and Diplomacy Program, [date]” upon graduation for all students successfully completing the program.

COLLEGE OF PHARMACY:

Doctor of Pharmacy Program:

(see Appendix N)

The College of Pharmacy and the Curriculum Committee of the College have considered over the last two years, how best to update the PharmD program. Reasons for the changes include passage of new accreditation standards (ACPE Standards 2016 were released just after our last accreditation process in 2016), need to include updated course material in certain areas of pharmacy based on new evidence

favoring new medications for disease treatment, and a reorganization of some existing material to improve student success. Approval of the following changes are requested:

1. Revision of the pharmaceuticals sequence in the first professional year. BPS 301/303/305 are being replaced by BPS 319 and 320. This allows for two 3-credit courses to be sequenced over two semesters vs. the older curriculum which had three 2-credit courses in the first semester of the P1 year.
2. A change in delivery of our self-care classes so that students have their first required self-care course in the Fall of the P1 year. This helps students better understand over-the-counter medications and dietary supplements when they're completing their introductory pharmacy practice experiences (IPPEs). We have taught an existing self-care class in the second professional year which will remain so that the students have two 3-credit self-care classes over two years.
3. A reorganization of the social and administrative science courses to better align topics with the skill set of the student and to allow for reinforcement of important material later in the curriculum. For instance, PHP 316 Pharmacy Law and Ethics is currently delivered in the spring of the P1 year. The content of this course will still largely be taught in the P1 spring, but also included and reinforced in subsequent years. Reviewing pharmacy law content closer to when students need to take their law board exam is important to the students' obtaining their pharmacist licenses.
4. Addition of new updated material. Some areas of pharmacotherapeutics have seen a dramatic increase in drugs made from biologic processes that affect the immune system. For instance, ten years ago there were approximately 40 immuno-suppressant drugs available and today there are more than 80 on the market. Changing the existing course PHP/BPS 311 to PHP/BPS 415 with an additional credit, will allow for needed content for the treatment of auto-immune diseases and the prevention of graft rejection for patients with solid organ grafts. This latter topic wasn't addressed in our previous curriculum.
5. With our updated curriculum, which will likely continue with additional change next year, we are committed to offering courses in a time and space efficient manner. This means we are moving away from many small 2-credit courses to more customary 3-credit courses.