

Serial Number #17-18-38A

The attached BILL titled, the Five Hundred and Forty-eighth Report of the Curricular Affairs Committee was adopted by vote of the Faculty Senate on April 19, 2018.

The Bill is effective on the date of signature below.



Mark Conley
Chairperson of the Faculty Senate

April 19, 2018

UNIVERSITY OF RHODE ISLAND FACULTY SENATE April 19, 2018

Faculty Senate Curricular Affairs Committee Five Hundred and Forty-eighth Report

At the March 26, 2018 meeting of the Curricular Affairs Committee and by electronic communication, the following matters were considered and are now presented to the Faculty Senate.

SECTION I Informational Matters

TEMPORARY COURSES:

COLLEGE OF HEALTH SCIENCES:

HDF 482X, Senior Field Experiences II in Community Agencies

(1-6 crs.) Senior Field Experience II in Community Agencies. Additional senior field experience for majors with internship placement hours beyond the 6 credits associated with HDF 480, Senior Field Experiences in Community Agencies. Service learning. (Practicum) Pre: Concurrent enrollment in HDF 480 and HDF 481.

COLLEGE OF THE ENVIRONMENT AND LIFE SCIENCES:

PLS 321X, Sustainable Grain Production

(4 crs.) Study of cereal, pseudocereal, and pulse crops commonly grown in the United States. Focuses on organic and agroecological systems of production appropriate for home gardeners and small-scale commercial farmers. Explores cultural uses of grains and associated end-use technologies. (Lec. 3, Lab. 1) Pre: PLS 132G or PLS 150 or BIO 102 or permission of instructor.

ONLINE SECTIONS:

COLLEGE OF ARTS AND SCIENCES:

GER 101, Beginning German I

(3 crs.) Fundamentals of grammar and pronunciation; exercises in reading, writing, and conversation. (Lec. 3/Online) Pre: no prior German is required. Will not count toward the language requirement if the student has studied German for more than one year within the last six years. (A3) (C2)

GER 102, Beginning German II

(3 crs.) Continuation of GER 101. Students enrolling in this course should have taken GER 101 or equivalent. (Lec. 3/Online) (A3) (C2)

GER 111, Intensive Beginning German I

(4 crs.) Study of the fundamentals of German with special emphasis on listening and speaking skills. (Lec. 3, Rec. 1/Online) Not for major credit in German. (A3) (C2)

GER 112, Intensive Beginning German II

(4 crs.) Study of the fundamentals of German with special emphasis on listening and speaking skills. Students enrolling in this course should have taken GER 111 or equivalent. (Lec. 3, Rec. 1/Online) Not for major credit in German. (A3) (C2)

SECTION II

Curricular Matters Which Require Confirmation by the Faculty Senate

NEW COURSES:

COLLEGE OF ARTS AND SCIENCES:

APG 477, Internship

(3 crs.) Supervised professional experience with a relevant agency or organization. Activities and expectations to be determined between site supervisor and intern and approved by a faculty advisor, prior to registration. Not for graduate credit. S/U only.

STA 305, Introduction to Statistical Computing with R

(4 crs.) Introduction to statistical computing using R. This course will have two components. In the first part of the course you will learn how to write efficient and transparent programs in R. In the second part of the course, you will learn about packages and functions that are used for statistical analyses, techniques for managing data, and using graphs to visually data. (Lec. 3, Rec. 1) Pre: ((MTH 103 or MTH 111 or MTH 131 or MTH 141) and STA220 or STA 307 or STA 308 or STA 409) or permission of the instructor.

COLLEGE OF ENVIRONMENT AND LIFE SCIENCES:

ENT/BIO/NRS 388, Biology of Bees and Pollination Ecology

(3 crs.) Learn the biology, behavior and pollination services of bees. Learn how to identify bees to family level. Understand the basics of honeybee management. Learn various types of pollination. (Lec. 3) Pre: BIO 101 and 102, or permission of instructor.

PLS 321, Sustainable Grain Production

(4 crs.) Study of cereal, pseudocereal, and pulse crops commonly grown in the United States. Focuses on organic and agroecological systems of production appropriate for home gardeners and small-scale commercial farmers. Explores cultural uses of grains and associated end-use technologies. (Lec. 3, Lab. 1) Pre: PLS 132G or PLS 150 or BIO 102 or permission of instructor.

COLLEGE OF PHARMACY:

BPS 306, Essential Pharmacokinetic Concepts

(2 crs.) Designed for students who are interested in careers in the pharmaceutical industry but who do not wish to become specialists in pharmacokinetics. (Lec. 2) Pre: Third-year standing in the Bachelor of Pharmaceutical Science Program or permission of instructor

BPS 315, Pharmaceuticals II

(4 crs.) Students will learn the physicochemical properties of drug molecules and excipients as well as formulation, manufacturing, and quality control of sterile and non-sterile solid, semi-solid, liquid and specialty dosage forms. (Lec. 4) Pre: open to Pharmaceutical Science Students, Chemical Engineering students in the pharmaceutical track, or other students with permission of the instructor.

COURSE CHANGES:

COLLEGE OF ARTS AND SCIENCES:

Change title and description:

ART 204, Graphic Design I

(3 crs.) Introduction to the creative process and fundamental elements and principles of design. Project-based assignments promote creative thinking and problem solving using industry-standard tools to critically engage with contemporary design issues. (Studio 6)

ART 304, Graphic Design II

(3 crs.) Approach of project design situations faced by professional studio agencies in an educational context. Current visual communication issues are solved through extensive research and the application of learned concepts and skills. (Studio 6) May be repeated for up to 9 credits with permission of instructor, doing increasingly independent work. Pre: ART 204.

Change description and prerequisites:

CSC 320, Social Issues in Computing

(4 crs.) Discussion of the social and ethical issues created by the use of computers. The problems that computers solve and those that they produce. Ethics and responsibilities of computer and data professionals. (Lec. 4) Pre: CSC 201 or 211.

COLLEGE OF ENGINEERING:

Change course numbers and prerequisites:

CHE 213 (313), Chemical Engineering Thermodynamics I

(3 crs.) Applications of the first, second, and third laws of thermodynamics involving thermophysics, thermochemistry, energy balances, combustion, power cycles, refrigeration and properties of pure fluids. (Lec. 2, Lab. 3) Pre: C- or better in CHE 212 and MTH 243 or concurrent enrollment in MTH 243, or permission of instructor.

CHE 445 (345), Chemical Engineering Laboratory

(2 crs.) Quantitative studies illustrating chemical engineering principles. Emphasis on report writing and the interpretation of experimental data. (Lab. 6) Pre: CHE 348 or permission of instructor. Not for graduate credit.

CHE 446 (346), Chemical Engineering Laboratory

(2 crs.) Quantitative studies illustrating chemical engineering principles. Emphasis on report writing and the interpretation of experimental data. (Lab. 6) Pre: CHE 348 or permission of instructor. Not for graduate credit.

Change prerequisites:

CHE 272, Introduction To Chemical Engineering Calculations

(3 crs.) Introduction to the use of computers and numerical methods, including numerical solution of differential equations as applied to chemical and biological engineering. (Lec. 3) Pre: C- or better in CHE 212 and credit or concurrent enrollment in MTH 243, or permission of instructor.

CHE 314, Chemical Engineering Thermodynamics II

(3 crs.) Continuation of CHE 313 with applications to thermodynamics of mixtures, phase and chemical equilibria. (Lec. 2, Lab. 3) Pre: C- or better in CHE 213, or permission of instructor.

CHE 364, Chemical Kinetics and Reactor Design

(3 crs.) Mole balances in batch and continuous chemical reactors; reaction rate fundamentals; isothermal and non-isothermal chemical reactors. (Lec. 3) Pre: C- or better in CHE 212 and credit in CHE -or permission of instructor.

CHE 452, Plant Design and Economics II

(3 crs.) Elements of plant and process design integrating the principles learned in previous courses. Emphasis is on optimum economic design and the writing of reports. (Lec. 1, Lab. 6) Pre: CHE 364, 425, 449 (349), and 451 (351), or permission of instructor. (D1) (C2)

CHE 491, Special Problems

(1-6 crs.) Advanced work under the supervision of a faculty member arranged to suit the individual requirements of the student. (Independent Study) Pre: permission of instructor. CHE 491 or 492 may be repeated for a maximum of 12 credits, of which a total of 6 credits can be applied to professional electives. Not for graduate credit in chemical engineering.

CHE 492, Special Problems

(1-6 crs.) Advanced work under the supervision of a faculty member arranged to suit the individual requirements of the student. (Independent Study) Pre: permission of instructor. CHE 491 or 492 may be repeated for a maximum of 12 credits, of which a total of 6 credits can be applied to professional electives. Not for graduate credit in chemical engineering.

COLLEGE OF ENVIRONMENT AND LIFE SCIENCES:**Change credits, description, and prerequisite:****BIO 201, General Animal Physiology**

(4 crs.) The study of animal physiology (respiration, bioenergetics, locomotion, circulation, osmoregulation, hormones, nervous system, sensory organs, reproduction, immune function) with a consideration of environmental challenges and evolutionary adaptations. (Lec. 3, Lab. 1) Pre: BIO 101/103 and 102/104, and CHM 101, or permission of instructor.

Change credit distribution and prerequisite:**BIO 354, Invertebrate Zoology**

(4 crs.) Study of the origin and evolutionary relationship of the invertebrate animals. Emphasis on marine forms. Laboratory sessions include comparative study of selected examples and field trips to local environments. (Lec. 3, Lab. 1) Pre: BIO 101 and 102, and 103 and 104.

COLLEGE OF HEALTH SCIENCES:**Change course title:****HDF 413, Advanced Facilitation and Consulting Skills**

(3 crs.) Examines experiential education, organizational development, facilitation techniques, and ethical issues of peer leadership. Elective for leadership minors. (Lec. 3) Pre: permission of instructor and HDF 190 or HDF 290. Not for graduate credit.

Change prerequisites:**HDF 305, Family Engagement in Early Childhood Settings**

(3 crs.) Examination of the professional behaviors for establishing and maintaining positive, ongoing, effective reciprocal relationships with diverse families in various early childhood settings. (Lec. 3) Pre: HDF 230 or acceptance into the Early Childhood Education Teacher Certification Program.

HONORS PROGRAM:**Change credits:****HPR 224G, Honors Colloquium in Soc. Science and Civic Knowledge**

(3-4 crs.) HPR Honors Colloquia may be repeated for a maximum of 6-8 credits. Topics include: Treconomics: Life and Economics in a Post-Scarcity World. (Lec. 3-4) Pre: GPA of 3.4 or above and one completed honors course, or permission of the director of the honors program. (A2) (C1) (GC)

COLLEGE OF PHARMACY:

Change title and description:

BPS 445, Natural Products Drugs

(3 crs.) Discovery, development, biosynthesis and general fundamental properties of natural product drugs. (Lec. 3)

Pre: CHM 228; CMB 201 or equivalent.