

Graduate Council Meeting No. 545 February 14, 2022 via Zoom | Minutes

Council Members Present: Feruz Ganikhano, Shingo Goto, Rabia Hos, Bethany Jenkins, Mary MacDonald, Mary Moen, Martha Rojas, Angela Slitt, Arthur Spivack, Fred Vetter, Jing Jian Xiao

Council Members Absent: Gabriel DePace, Monique Cardinal, Cheryl Foster, Josh Gyllinsky, Kathy Hutchinson, Meghan Warhola

Graduate School Present: Brenton DeBoef, Corinne Kulesh, Jessica Martinez, Cara Mitnick, Colleen Mouw

I. Call to order

- ★ *The meeting was called to order at 2:04 PM by Chair Fred Vetter*

II. Approval of Minutes of Meeting Number 544, November 29, 2021

- ★ *Motion to approve the minutes from meeting No. 544 November 29, 2021*
 - *Approved*
 - *1 Council Member Abstained*

III. Announcements

A. Professional Development & GWC Update (*Mitnick*)

1. Director Mitnick announced two upcoming workshops, Grammar and Style: Addressing the challenges of Academic English and Tips for Decoding Job Posting as well as announced workshops for the following weeks. Director Mitnick will email Program Directors at the beginning of the month with the list of workshops for that month.

B. Kuali Curriculum Management System (*DeBoef*)

1. Dean DeBoef provided an update on Kuali stating the rollout date has been pushed back. There is no official date of when the system will become available.

C. International Applicant Language Requirements (*Kulesh & Mitnick*)

This agenda item was postponed for discussion.

D. Competitive Graduate Student Fellowships and Teaching Assistantships (*DeBoef*)

1. Dean DeBoef explained the process of awarding Fellowships and Assistantships. Once the applications are submitted through InfoReady, the Graduate School reviews and ranks each application. For the First-Year Doctoral Fellowships, the Graduate School provides the Deans of each college a list of the ranked applicants and the Deans decide which applicants to award. The First-Year Diversity Fellowships will now be awarded for two academic years going forward.

IV. New Business

A. Graduate Program Requirements (*Jenkins*)

1. Professor Jenkins discussed the discrepancy between the minimum credit requirements description of Master's (section 7.44.1) and Doctoral (section 7.54) degrees within the Graduate Manual. The Master's section has prescribed language of what credits are required versus the Doctoral language gives a total of credits without guidance. Dean DeBoef suggests adding both sections to the Combined Committee's agenda to review for revisions.

a) Suggestion for language revision (two options):

- (1) Set a minimum requirement. 15 to 18 credits and make the current language (last three sentences of section 7.44.1) for Master's parallel to the Doctoral section. Let multiple sections of the special problems count for credits towards the degree.
- (2) Make language clear across degrees that the distribution of credits is up to each graduate program.

B. Nominations for Graduate Student Academic Appeals Board (*DeBoef*)

1. Dean DeBoef requests the council to nominate graduate faculty to be part of the board by email to Jessica Martinez. Four total nominations are needed, two primary members and two alternates. The faculty seats are held for two years and the student seats are held for one year. Graduate Council members are not eligible to be nominated.

V. New Graduate Programs & Notice of Change (See Google Drive for New Program Proposals) (*DeBoef*)

Notice of Change

Digital Media Track in the Accelerated Online MLIS - Add the new courses and remove the COM courses that are not approved by the URI Online Accelerated Program.

★ *Approved*

★ *1 Council Member Abstained*

Master of Music, Music Performance Specializations - updating curriculum and requiring 500 level courses to fulfill the required 6 credits in Music History and Music Theory

★ *Approved*

MPA Online - Adding 500-level Directed Study course and also having "Policy and Grant Writing" course count as an elective for "Policy Analysis Certificate" or "Public Management Certificate".

★ *Approved*

PHY/AMS 571 Mathematical Methods for Quantum Computing

Math methods needed for quantum computing including linear vector spaces, linear operators, Hermitian and unitary operators, eigenvectors and eigenvalues, with an introduction to coding in Python. PRE: Permission of Instructor

★ *Approved*

PHY 572 Foundations of Quantum Mechanics

introduction to the foundations of quantum mechanics, including distinctions between quantum and classical mechanics, axioms of quantum mechanics, spin 1/2 systems, operators, time evolution, measurement, qubits, entanglement and superposition. PRE: PHY571, Permission of Instructor

★ *Approved*

PHY 573 Introduction to Quantum Computing

Algorithms: searches, factoring, Fourier transforms. Applications to teleportation and cryptography. Physical applications.

PRE: PHY 572, Permission of Instructor

★ *Approved*

PHY 574 Quantum Technology

EC: (3 credits) Advanced quantum circuit theory. Decoherence and density matrices. Error correction. Dense and superdense coding. Quantum tomography. Hardware. PRE: PHY 573, Permission of Instructor

★ *Approved*

New Program and Tracks Proposals

MS Dietetics - Adding two tracks

★ *Approved*

Accelerated Online Graduate Certificate Program in GSLIS

★ *Approved*

★ *1 Council Member Abstained*

Accelerated Online Graduate Certificate Program in Quantum Computing

★ *Approved*

★ *2 Council Members Abstained*

VI. Graduate Curriculum (See Google Drive for Curriculum Proposals) (DeBoef)

400-Level Course Changes

COLLEGE OF ARTS & SCIENCES

SPA 414 Language and cultural identity among Latinx

This course studies Latinx communities in the US from a multidisciplinary perspective including history, linguistics and literature. It examines Latinx struggles integrating into American society without losing their own identity. PRE: Any SPA 300-level course or permission of the instructor.

Graduate credit

★ *Approved*

SPA 415 Bilingualism in Spanish communities

In this class we study bilingualism in Spanish speaking communities, especially those in the United States. In the course, we consider bilingualism as an individual and a social phenomenon. PRE: Any SPA 300-level course or permission of the instructor.

Graduate credit

★ *Approved*

SPA 416 Linguistic Discrimination in Spanish

Exploration of the relationship between the Spanish language and power with a special focus on the societal impacts of Spanish as a minority and majority language across the world. PRE: Any SPA 300-level course or permission of the instructor.

Graduate credit

★ *Approved*

COLLEGE OF BUSINESS

BAI 457 Visualizing Data for Business Intelligence

Concepts, methods and techniques in creating business intelligence through descriptive analytics and data visualization techniques, as defined in business settings, used to develop business insights from real-world data sets. Pre: BAI310 or permission of instructor.

Graduate credit, change in title, and description

★ *Approved*

500-Level Course Changes

COLLEGE OF ARTS & SCIENCES

ENC 590 Principles of Economics

Survey of micro- and macroeconomic theory. (Lec. 3) . PRE: Graduate standing in accounting, labor and industrial relations, or M.B.A. program.

Create online version of existing course and method of instruction

★ *Approved*

MTH 542 Global Character of Difference Equations I

LEC: (3 crs.) Global character, periodic behavior, and asymptotic nature of solutions of difference equations and systems of difference equations with applications. Recent topics on rational equations and rational systems in higher dimensions. PRE: Pre: MTH 243 and 244, or permission of instructor.

Change in prerequisite

★ *Approved*

MTH 543 Global Character of Difference Equations II

LEC: (3 crs.) Global character, periodic behavior, and asymptotic nature of solutions of difference equations and systems of difference equations with applications. Recent topics on rational equations and rational systems in higher dimensions. PRE: Pre: MTH 243 and 244, or permission of instructor.

Change in prerequisite

★ *Approved*

MTH 545 Ordinary Differential Equations I

LEC: (3 crs.) Existence and uniqueness theorems. Continuous dependence on parameters and initial conditions. Singularities of the first and second kinds, self-adjoint eigenvalue problems on a finite interval. Oscillation and comparison theorems. Introduction to delay and difference equations. Elements of stability theory of Lyapunov's second method. (Lec. 3) PRE: Pre: MTH 243 and 244, or permission of instructor.

Change in prerequisite

★ *Approved*

PSC 555 Directed Study or Research

(3 crs.) Special work arranged to meet the individual needs of graduate students in political science. (Independent Study) Pre: permission of chairperson or Graduate Program Director

Create online version of existing course and change in prerequisite

★ *Approved*

PSC 556 Directed Study or Research

(3 crs.) Special work arranged to meet the individual needs of graduate students in political science. (Independent Study) Pre: permission of chairperson or Graduate Program Director.

Create online version of existing course and change in prerequisite

★ *Approved*

COLLEGE OF BUSINESS

MBA 502 Organizational Behavior

LEC: (3 crs.) Examination of the theory, research, and practice of organizational behavior in work settings, focusing on individual, interpersonal, group, and organizational factors influence work-relevant attitudes and behaviors. (Lec. 3 /Online)

Create online version of existing course

★ *Approved*

COLLEGE OF ENVIRONMENTAL AND LIFE SCIENCES

BIO 522 Natural Resource Management Planning

This course presents frameworks for natural resource decision making that facilitate development of management objectives, evaluation and selection of management alternatives, and assessment of management outcomes. PRE: EVS 509 (pre), EVS 514 (pre), EVS 518 (co) and graduate standing or permission of instructor.

Change in prerequisite

★ *Approved*

COLLEGE OF NURSING

NUR 551 Leadership: Theory to Practice

Explore and analyze leadership theories and their application in strategic health care planning, decision-making, and policy formulation in professional practice environments PRE: Admission to the Doctor of Nursing Practice Program or permission of instructor

Change in prerequisite, title, and description

★ *Approved*

COLLEGE OF PHARMACY

PHC 515 Pharmacists' Patient Care Process Laboratory IV

Develop patient care plans by performing objective and subjective patient data collection and assessment for increasingly complex patients. Practice communication strategies including patient counseling and motivational interviewing. Identify and address medication-related problems with patients and/or healthcare providers to optimize health outcomes. (Lab 3) PRE: PHC 515 with a grade of C- or better, or permission of instructor. Concurrent enrollment in PHP 527 and BPS 537 is required.

Change in prerequisite

★ *Approved*

PHP 555 Advanced Neuropsychiatric Pharmacotherapy

PHP 555 Advanced Neuropsychiatric Pharmacotherapy (3 crs.) Comprehensive and advanced course on the pharmacotherapy of psychiatric and neurological diseases. Use of clinical case studies, evaluation of the primary literature, and other forms of interactive teaching will be emphasized. (Lec) PRE: PHP 428 and BPS 438, second- or third-year Doctor of Pharmacy student in good standing, or permission of the instructor.

Change in prerequisite, title, description, grading, and credits

★ *Approved*

PHP/STA 575 Causal Inference for Biomedical Research

LEC: (3 crs.) Cross-listed as (PHP), STA 575. Using a potential outcomes framework, this course will present methodologies for drawing causal inference in a variety of settings. Examples will be drawn from epidemiologic and medical studies. PRE: STA 411 or 412 or permission of instructor.

Create online version of existing course and change in method of instruction

★ *Approved*

500-Level New Course Proposals

COLLEGE OF ARTS & SCIENCES

(TABLED) CHM 540 Energetic Materials

Defines, describes, and covers the basic behavior of energetic materials. Topics discussed include characterization, analysis, safety-testing, and performance of energetic materials. PRE: BS in chemistry or permission from instructor

CSF 540 Introduction to Malware Analysis

Introduces core concepts and terminology associated with the practice of malware analysis. Provides a fundamental understanding of basic and advanced static and dynamic malware analysis. Additional topics will include: data encoding, packers, and other forms of anti-malware analysis techniques. PRE: CSF 432

★ *Approved*

COLLEGE OF ENVIRONMENTAL AND LIFE SCIENCES

BIO 522 Sensory Ecology

Sensory system structure and function and the opportunities and constraints presented by the sensory environment. Lectures on fundamentals and discussion of case studies and problems in the primary literature. PRE: Graduate standing or permission of instructor

★ *Approved*

COLLEGE OF ENGINEERING

CVE 574 Water Quality Sampling and Analysis

Laboratory and field work including sampling of surface and groundwater, chemical and biological analyses for water, monitoring, treated effluent quality control, and detection of hazardous contaminants. PRE: Permission of instructor. Not open to students with credit in CVE 474

★ *Approved*

COLLEGE OF ENVIRONMENTAL AND LIFE SCIENCES

MAF 510X Doing Ethnography

This course introduces practical skills and theoretical underpinnings of ethnography. Students will gain hands-on experience with ethnographic field methods and prepare them to undertake an ethnographic research project independently. PRE: Graduate standing. Seniors may join the course with permission of the instructor.

★ *Approved*

COLLEGE OF HEALTH SCIENCES

PSY 697 Research Mentoring and Consultation Practicum

Practicum for students providing mentorship of undergraduate students in research experiences and/or consultation services to the URI community in areas of research methodology, course development, and inclusion practices, among others.

★ *Approved*

COLLEGE OF NURSING

NUR 698 Dissertation Seminar

Dissertation seminar is designed to prepare students to develop, submit and defend a viable dissertation proposal. All PhD students are highly recommended to participate, ideally before undertaking independent dissertation research. PRE: NUR 649, 650, 651, 652 and 655 or other graduate-level statistics / data analysis course. Permission of instructor.

★ *Approved*

COLLEGE OF PHARMACY

PHP 535 Introduction to Systematic Reviews & Meta-Analysis

Aimed at familiarizing students with basic conceptual and applied understanding of methods used to synthesize evidence, with meta-analysis. (Lec. 3) PRE: Students with knowledge about epidemiological research designs and elementary statistics. PHP 308, PHP 405, PHP 540, graduate student standing or permission of instructor.

★ *Approved*

VII. Adjournment

★ *Chairperson Vetter asked for a motion to adjourn. The meeting was adjourned at 4:06 pm.*

Minutes approved by the Graduate Council on March 21, 2022



Brenton DeBoef, Dean of the Graduate School