

To: Members of the 2020-2021 Graduate Council

From: Colleen Mouw, Chair
Brenton Deboef, Interim Dean
Alycia Mosley Austin, Interim Associate Dean

Date: March 8, 2021

RE: Agenda for Meeting Number 537 of the Graduate Council to be held on Monday, March 8, 2021 at 2:00 p.m. via Zoom.

I. Call to order

II. Approval of Minutes of Meeting Number 537, February 8, 2021

III. Announcements

- A. Graduate Faculty Summit - Tuesday, March 30, 2021, 9 am - 12 pm (*DeBoef*)
- B. Graduate Fellowships Update (*Mosley Austin*)
- C. Graduate Student Survey Outcome (*Kulesh*)
- D. Professional Development Upcoming Events (*Mitnick*)
- E. Academic Enhancement Center- New Academic Support Initiatives (*Hayes*)
- F. Recent appointments to the Graduate Faculty since those listed on February 8, 2021 meeting agenda (*DeBoef*)

Stephen Jordan, adjunct appointment, MISE, College of Engineering

James LeBlanc, adjunct appointment, MISE, College of Engineering

Thomas Spengler, adjunct appointment, MISE, College of Engineering

Thomas Wettergren, adjunct appointment, MISE, College of Engineering

Saskina-Dorthée Ayata, one time appointment, Graduate School of Oceanography

Furu Mienis, adjunct appointment, Biological Sciences, College of the Environment and Life Sciences

Rachel A. Loehman, adjunct appointment, NRS, College of the Environment and Life Sciences

Ying-Tsong Lin, adjunct appointment, Ocean Engineering, College of Engineering

IV. New Business

- A. Revisions to Graduate Manual Section 10.22 (*DeBoef*)
- B. Revisions to Graduate Manual Section 8.43.2 (*DeBoef*)

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

Notice of Change

MS in Dietetics

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

500-Level Course Changes

COLLEGE OF ARTS AND SCIENCES

LSC 506 Data Literacy and Metadata Standards

This course provides theories and principles of data literacy including data analysis, data design, data structure, data evaluation, data related research, and national and international metadata standards. (Lec. 3, Online)

Changing title, description, and converting to accelerated online calendar.

COLLEGE OF HEALTH

HDF 561 Research in Human Development & Family Science

Assigned research on an advanced level. Students are required to outline the problem, conduct the necessary literature survey and experimental work, and present their observations and conclusions in a report. (1-3 cr, independent study). *Pre: Enrollment in the Doctoral Program in Health Sciences. May be repeated for up to 6 credits.*

Changing title.

HDF 570 Research Methods in Human Development

Historical, philosophical, and procedural foundations of scientific inquiries into individuals and families. Explores the various ways to acquire information about human development and family relationships. (Lec. 3) *Pre: graduate standing or permission of instructor.*

Changing title.

NFS 561 to 565 MS in Dietetics Courses

Changing four credit courses to three credits courses.

NFS 567 to 569 MS in Dietetics Courses

Changing two credit courses to three credit courses.

NFS 570 Data Analysis in Dietetic Research

Data collection, analysis and presentation of results in table and graph format.

Changing title, description, method of instruction and from four credits to one credit.

GRADUATE SCHOOL OF OCEANOGRAPHY

OCG 561 Biological Oceanography

Biology and ecology of marine ecosystems; role of ocean biology in global biogeochemical processes; Emphasis on marine plankton; patterns of distribution, productivity and species interactions.

Changing description and from four credits to three credits.

500-Level New Course Proposals

COLLEGE OF ARTS AND SCIENCES

AMS 528 Applied Topology

Fundamental concepts of topology, metric spaces, homotopy equivalence. Simplicial complexes. Homology and cohomology groups. Exact sequences. Duality. Persistent homology, persistent diagrams, and their computation applications. (3 cr.) *Pre: MTH 215 and MTH 243 or permission of the instructor.*

CSC 561 Neural Networks and Deep Learning

Survey of traditional and newly developed deep learning methods, including convolutional networks, recurrent networks, auto-encoders, and generative adversarial networks, as well as their application to real-world problems. (4 cr.) *Pre: CSC 461 or Permission by Instructor*

MUS 506 Music Administration and Supervision

Instruction for music administrators and supervisors in schools and other music programs. Content includes facilities management, budgets, scheduling, curriculum design, music teacher evaluation, program review, community relations, and community evolution. (3 cr.) *Pre: Graduate standing*

MUS 520 Advanced Studies in Musicology

This course offers deep inquiry into areas of musicology, developing skills in historical and cultural research and deepening knowledge of musical practices. Focuses on current practices in musicology. (3 cr.) *Pre: Graduate standing or permission of instructor*

MUS 551/441 Exceptional Learners in Music

Prepares music teachers to understand inclusion in education, provide adaptive music teaching strategies, lesson planning, and management techniques, and identify and create materials, instruction and assessment accommodations for diverse learners in music. (3 cr.) *Pre: MUS 235 or graduate standing*

PSC 590 Internship in Public Administration and Policy

Participation at a public service, non-profit, or policy organization. Planning, policy analysis and formation, personnel management, budgeting and finance, and public service responsibilities that are the hallmark of effective governance. (3 cr.) *Pre: Permission of M.P.A. director. May be taken as one 6-credit unit or two 3-credit units*

COLLEGE OF BUSINESS**TMD 511 Survey of Research Design and Methods in Textiles**

Overview of ethical principles and challenges, theory development, scientific inquiry, introduction to techniques and research approaches used within the context of textiles and clothing. (3 cr.) *Pre: Graduate standing or seniors with the permission of instructor*

COLLEGE OF ENGINEERING**MCE 553 Microfluidics**

Fundamentals and applications of microfluidic systems, including basic concepts, microflow fundamentals, microfabrication techniques, related topics such as acoustofluidics, optofluidics and organ-on-chips with their applications in chemical and biochemical analysis. (3 cr.) *Pre: MCE 354 Fluid Mechanics or CHE 347 Transfer Operations I or permission of instructor*

COLLEGE OF HEALTH**NFS 571 Applied Medical Nutrition Therapy in Dietetics 1**

Implementation of the nutrition care process in clinical settings for patients with gastrointestinal disorders, cardiovascular disease and diabetes. (1 cr.)

NFS 572 Applied Medical Nutrition Therapy in Dietetics 2

Implementation of the nutrition care process in clinical settings for patients with renal disease, human immunodeficiency virus, cancer and those receiving nutrition support. (1 cr.) *Pre: Enrolled in MS Dietetics Program or permission of instructor*

NFS 573 Applied Medical Nutrition Therapy in Dietetics 3

Implementation of the nutrition care process in clinical settings for pulmonary disease, pediatrics, geriatrics and weight management. (1 cr.) *Pre: Enrolled in MS Dietetics Program or permission of instructor.*

NFS 574 Applied Foodservice Operations

Application of the management of foodservice operations in a hospital environment including menu development, purchasing systems, production and service of food, and food safety and sanitation. (1 cr.) *Pre: Enrolled in MS Dietetics Program or permission of instructor*

NFS 575 Applied Community Nutrition and Health Promotion

Application of the theories explaining nutrition related behaviors coupled with strategies for promoting behavior change among diverse populations, building on skills in interpreting nutrition information for planning, implementing and evaluating community interventions. (1 cr.) *Pre: Enrolled in MS Dietetics Program or permission of instructor*

NFS 576 Applied Specialization in Dietetics

Application of research and evidence-based practice to specialized dietetics settings. (1 cr.) *Pre: Enrolled in MS Dietetics Program or permission of instructor*

GRADUATE SCHOOL OF OCEANOGRAPHY

OCG 562 Biological Oceanography – Laboratory

Course covers measurement and analysis techniques commonly used in biological oceanography. Includes laboratory work, computer exercises and research cruises on Narragansett Bay. This course supplements OCG 561 and lectures and reading from that class are essential preparation for the labs. Evaluation based on participation in all the exercises and a cumulative laboratory reports. (1 cr.) *Pre: OCG 561*

600-Level New Course Proposals

COLLEGE OF HEALTH SCIENCES

PHT 699 Doctoral Dissertation Research

Number of credits is determined each semester in consultation with the major professor or program committee. (Ind. Study 1-12). S/U credit.

VII. Adjournment