



To: Members of the 2019-2020 Graduate Council

From: Colleen Mouw, Chair
Nasser Zawia, Dean
Brenton DeBoef, Associate Dean

Date: 4 November 2019

RE: Agenda for Meeting Number 526 of the Graduate Council to be held on
Monday, 4 November 2019 at 1:00 p.m. in the Ballentine Hall Thomson Boardroom.

- I. **Call to order**
- II. **Presentation by Provost DeHayes and Vice Provost Bodah**
- III. **Approval of Minutes of Meeting Number 525, 7 October 2019** (please see attachments)
- IV. **Announcements**
 - A. Graduate Program Directors Lunch (11/13/19 - Hargrave Forum); GradCAS, ABM, ABD (*DeBoef*)
 - B. Professional Development Upcoming Events (*Mitnick*)
 - C. Recent appointments to the Graduate Faculty since those listed on 23 September 2019 meeting agenda (*DeBoef*)

Rachel Smith, Adjunct Professor in Communicative Disorders, Nominated by Dana Kovarsky

Daniel Campbell, Adjunct Professor in Mechanical, Industrial, and Systems Engineering, Nominated by Carl-Ernst Rousseau

Nicole Hersey, Senior Lecturer in the School of Education, Nominated by Terry Deeney

Kay Ho, Adjunct Faculty in the Department of Geosciences, Nominated by Thomas Boving
- V. **New Business**
 - A. Revisions to Grad Faculty Status (*Zawia*)
- VI. **New Program Committee**
 - A. MS History New Track (*Zawia*)
- VII. **Graduate Curriculum (See Google Drive for Course forms)** (*DeBoef*)

Notice of Change

MS Kinesiology – Elimination of the Cultural Studies of Sport and Physical Culture specialization in the Kinesiology Master of Science program.

MS Kinesiology – Elimination of the requirement of KIN 578, Cultural Studies of Sport and Physical Activity, for the Psychosocial/Behavioral Aspects of Physical Activity specialization in the Kinesiology Master of Science program.

MS Dietetics – Elimination of the requirement for a written exam for the MS in Dietetics degree (non-thesis).

Marine Affairs (MA and PhD) – Removing the GRE as a requirement for admission to MAF graduate programs,

Graduate School of Oceanography (MS and PhD) – Removing the GRE as a requirement for admission to GSO graduate programs.

400-Level Course Changes

COLLEGE OF ARTS AND SCIENCES

Sociology and Anthropology

APG 417 Archaeological Method & Theory

Course description: Theoretical and methodological approaches in archaeology, with an emphasis on skills and knowledge needed by professionals in the field, including ethical responsibilities. Laboratory demonstrations.

Prerequisites: APG 202 and junior standing; or permission of instructor. *3 credits.*

Description and prerequisite change

APG 427 Senior Seminar: Unity of Anthropology

Course Description: Capstone course for anthropology program, with emphasis on all four subfields. Majors will integrate subfields and apply anthropological thinking to contemporary environmental, social, or health issues.

Includes career development component. (D1) *4 credits.*

Description change and existing course to qualify as General Education

COLLEGE OF ENVIRONMENT AND LIFE SCIENCES

Department of Biological Sciences

BIO 418 Ecology of Marine Plants

Ecology, development, and physiology of marine algae and higher plants. Topics include competition, herbivory, nutrient uptake, photosynthesis, and growth. *4 credits.*

Course deletion

500-Level Course Changes

COLLEGE OF ARTS AND SCIENCES

Computer Science and Statistics

CSF 590 Cybersecurity Internship

This course provides each student with a professional experience working on an internship, applying technical and professional cyber security skills.

Prerequisite change

COLLEGE OF ENVIRONMENT AND LIFE SCIENCES

Department of Biological Sciences

BIO 513 Functional Morphology

Advanced study of the evolution and biological role of organismal structure including critical evaluation of recent research in functional morphology with an emphasis on vertebrates. *3 credits.*

Course deletion

BIO 515 Light Microscopy Research Methods

Introduction to optical techniques and biological specimen preparation for light microscopy with emphasis on application of these methods in biological research. Topics include optics, embedding and sectioning, fluorescence and immunocytochemistry, and computer image analysis. *4 credits.*

Course deletion

BIO 524 Methods In Plant Ecology

Methods in analysis of vegetation and microenvironments. Emphasis on quantitative techniques in analysis of vegetation, soil, and microclimate; techniques in physiological ecology. 3 credits.

Course deletion

BIO 541 Comparative Physiology of Marine Animals

Comparison of physiological mechanisms by which animals maintain life with emphasis on marine invertebrates. Responses to external environment mediated by receptors, nervous systems, effectors. Living control systems for muscular activity and circulation. 3 credits.

Course deletion

BIO 550 Advanced Topics In Neurobiology

Published papers in selected aspects of neurobiology will be discussed. Representative topics including the role of Ca⁺⁺, c-AMP in the nervous system, gating currents learning at the cellular level, cellular rhythmicity. 3 credits.

Course deletion

BIO 553 Regulatory Processes in Eukaryotic Cells

Regulation of eukaryotic cell biology by processes governing organization and function, including transport, protein sorting, signal transduction, gene expression, and changes in the cytoskeleton. Focus on GTP-binding proteins and protein kinases. 3 credits.

Course deletion

BIO 560 Seminar In Plant Ecology

Recent topics and investigations pertinent to plant ecology. Library research, oral presentation of reports, and group discussions. 2 credits.

Course deletion

BIO 571 Natural Selection

Ideas and controversies concerning the action of natural selection. Maintenance of genetic variability, neutral mutation, levels of selection, recombination and sexual reproduction, and rates of evolution. 3 credits.

Course deletion

COLLEGE OF HEALTH SCIENCES**Department of Communicative Disorders****CMD 550 Audiology for Speech-Language Pathologists**

Introduction to audiology for the speech-language pathology graduate student. Hearing disorders, hearing assessment, child and adult aural rehabilitation. 1-3 credits.

New Title: Audiology for Speech Pathologists. New credits: 2.

COLLEGE OF NURSING**NUR 566 ACNP Practicum I: Adult**

Application of clinical decision making skills necessary to the management of adults who are acutely or critically ill in hospital emergency, acute and critical care units. 3 credits.

Change in credits corresponding to an increase in clinical hours: New credits: 6.

600-Level Course Changes**COLLEGE OF ENVIRONMENT AND LIFE SCIENCES****Department of Biological Sciences**

BIO 663 Phytoplankton Physiology

Metabolic processes and methods of their investigation in phytoplankton with primary emphasis on functions pertinent to their ecology. Includes adaptation, uptake of nutrients, excretion, rhythms, pigments, and photosynthesis. 3 credits.

Course deletion

COLLEGE OF NURSING**NUR 688 DNP Capstone Practicum and Project**

A synthesis of prior practicums in the student's area of interest, applying theoretical knowledge and research findings at the individual, professional, organizational and societal levels culminating in a final written and defendable capstone project. 7 credits.

Change in credits: New credits: 1-7.

400-Level New Course Proposals**COLLEGE OF THE ENVIRONMENT AND LIFE SCIENCES****Department of Biological Sciences****BIO 406 Intertidal Ecology**

The ecology of intertidal shores within New England, with a focus on common marine macroalgae. Includes field surveys, specimen identification, and an emphasis on research planning and hypothesis testing. 4 credits.

500-Level New Course Proposals**COLLEGE OF BUSINESS****MHM 504 Economics of Healthcare Management**

This course examines the production of health, healthcare, and healthcare markets. 3 credits.

MHM 508 Data Analytics for Healthcare Management

This course will cover how to best analyze, categorize, and manage data that are encountered in healthcare industry; statistical analysis techniques; value-based purchasing analytics and risk adjustment. 3 credits.

PSA 500 Online Learning in Supply Chain

The purpose of this course is to gain a basic overview of the knowledge and skills you need to be a successful online student. 3 credits.

PSA 501 Accounting and Finance for SCM

The purpose of this course is to gain a basic overview of the concepts and systems used in finance and accounting for business organizations. 3 Credits.

PSA 502 Global Supply Chain and Operations Strategy

The purpose of this course is to cover the strategic relationships necessary for supply chain management as well as the tactical activities of logistics, purchasing and operations from a global perspective. 3 credits.

PSA 503 International Transportation Management

The purpose of this course is to gain a background for understanding all critical issues in domestic and international transportation. Addresses regulations, modes, carrier selection, transportation system management and design. 3 credits.

PSA 504 Analytics and Data Mining

The purpose of this course is to gain a basic overview of supply chain analytics and data mining applications. Key topics include: how can supply chain analytics and data mining be applied, understanding and applying, descriptive analytics, predictive analytics and prescriptive analytics to case problems. *3 credits*.

PSA 505 Warehouse and Distribution Systems

The purpose of this course is to gain a basic overview of the knowledge and skills you need to manage Warehousing and distribution activities. Practical applications and current practices regarding the global supply chain and the related impacts on warehouse and distribution activities will be covered in depth. *3 credits*.

PSA 506 Procurement and Supplier Management

The purpose of this course is to provide an overview of the applications, methods and concepts in supplier relationship management/procurement. *3 credits*.

PSA 507 Customer Analytics

The purpose of this course is to gain a basic overview of the knowledge and skills you need to manage customer relationship management. *3 credits*.

PSA 508 Supply Chain Network Design

The purpose of this course is to aid students in modeling existing supply chains. Using software, students will develop optimal sourcing and distribution networks. *3 credits*.

PSA 509 Lean Six Sigma Innovation Protocols

The purpose of this course is an introduction to Lean Six Sigma Operations and a multitude of techniques that are used in the evaluation and analysis of business processes. *3 credits*.

COLLEGE OF PHARMACY**Department of Pharmacy Practice****PHP 509 Pharmacotherapy for Pediatric and Geriatric Populations**

Course focuses on the pharmacotherapy needs of pediatric and geriatric populations. Emphasis will be placed on identifying special considerations unique to each population when communicating and developing treatment plans. *3 credits*.

600-Level New Course Proposals**COLLEGE OF HEALTH SCIENCES****CHS 601 Seminar in Health Sciences**

Reports and discussions of current topics in health sciences, as well as oral reports of dissertation research topics in progress. May be repeated for a maximum of 3 credits. *1 credit*.

CMD 691 Research in Communicative Disorders

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. (Independent Study). May be repeated for up to 6 credits. *1-3 credits*.

CMD 699 Doctoral Dissertation Research

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

HDF 691 Research in Communicative Disorders

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. (Independent Study). May be repeated for up to 6 credits. *1-3 credits*.

HDF 699 Doctoral Dissertation Research

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

KIN 691 Research in Communicative Disorders

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. (Independent Study). May be repeated for up to 6 credits. *1-3 credits.*

KIN 699 Doctoral Dissertation Research

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

PHT 650 Elective Topics Related To Physical Therapy

Instruction, observation, seminar and/or participation in a variety of topics related to Physical Therapy. *1-2 credits.*

VIII. Old Business

- A. Procedure for adding new programs (*Mosley Austin*)

IX. Adjournment