Graduate Curriculum Committee Report # 2
October and November 2017

400 level course for graduate credit

College of Environmental and Life Sciences

CMB 460, Experimental Approaches in Molecular and Cell Biology
Description: Addresses modern approaches to studying problems in advanced biochemistry, molecular and cell biology, including experimental design, genetics-based tools, fluorescence-based methodology, functional interactions, high-resolution microscopy and single molecule studies. Prerequisites: CMB 311 or permission of instructor or graduate standing.

Approved for graduate credit.

500/600 level new courses

College of Environmental and Life Sciences

BES 502X, STEM Course Design in Higher Education
Description: In this course students will use backward design to create a college level course. Students will use a whole classroom approach utilizing contemporary techniques from the scholarship of teaching and learning into their curriculum. This will include affect considerations to make their classroom inclusive. Pre: graduate standing.  S/U only

BIO/DSP 539, Big Data Analysis
Description: Learn about big data and gain sufficient programming skills to analyze data efficiently and accurately for research (Lec. 3). Pre: graduate standing.

EVS 505, Environmental Leadership in Practice
Description: Explores theory and practice of leadership in the context of environmental problems and natural resources management. Emphasis on effective leadership and communication approaches across environmental organizations. (Lec. 3) Prerequisites: Graduate student in the MESM Program or permission of instructor.

College of Pharmacy

PHP 535X, Introduction to Systematic Reviews and Meta-Analysis
Description: Aimed at familiarizing students with basic conceptual and applied understanding of the methods used to synthesize evidence, with meta-analysis. (Lec. 3) Prerequisites: Students with knowledge about epidemiological research designs and elementary statistics. PHP 305, PHP 405, PHP 540, graduate student standing or permission of instructor.
500/600 level course changes

College of Business

MBA 517  Old title: Business Foundations 1  
New title: Management Essentials  
Change credits from 4 to 3  
New Description: Introduces students to core management topics, including organization and its external environment, organizational structure and culture, groups and teams, leadership, influence, decision-making, motivation, and individual differences. Prerequisite: Open to one-year MBA students only. (Lec. 3)

MBA 518  Old title: Business Foundations 2  
New title: Financial Fundamentals for Innovation  
Change credits from 4 to 3  
New Description: Introduces the basic principles of finance and the applications: time value of money, risk and return, valuation of financial assets, capital budgeting, and long-term capital structure. Prerequisite: Open to one-year MBA students only. (Lec. 3)

MBA 519  Old title: Customer and Project Analysis  
New title: Marketing Decision-Making  
Change credits from 2 to 3  
New Description: Introduction to marketing decision-making with a focus on innovative contexts. Analysis of marketing opportunities and the development of pricing, communication, product and branding strategies. Prerequisite: Open to one-year MBA students only. (Lec. 3)

MBA 520  Old title: Objectives and Metrics  
New title: Accounting for Strategic Management and Investors  
Change description from 2 to 3  
New Description: Provides an understanding of the accounting information system through tools needed to use accounting information for accountability, decision making, and control in managerial and financial accounting. Prerequisite: Open to one-year MBA students only. (Lec. 3)

MBA 521  Old title: Situation Analysis and Solution Development  
New title: Operations and Supply Chain for Innovation  
Change credits from 2 to 3  
New Description: The course provides concepts of supply chain and operations for innovative manufacturing/service business: operations strategy, inventories, business forecasting, project management, demand and capacity, and waiting line management. Prerequisite: Open to one-year MBA students only. (Lec. 3)

MBA 522  Old title: Business Process Improvement and Sustainability  
New title: Business Integration I  
Change credits from 2 to 3  
New Description: Business integration I covers fundamental statistics analysis commonly used in business and uses case studies and teamwork to help students integrate knowledge in various business functions. Prerequisite: Open to one-year MBA students only. (Lec. 3)
**MBA 523**  Old title: Risk Assessment, Change and Control  
New title: Analytical Tools for Business  
Change credits from 2 to 3  
New description: Covers key analytical skill topics like Microsoft Excel, Six Sigma techniques, economics and process analysis that help business to make decisions in challenging environments. Prerequisite: Open to one-year MBA students only. (Lec. 3)

**MBA 524**  Old title: Innovation, Process and Performance  
New title: Entrepreneurship & Innovation  
Change credits from 4 to 3  
New description: The strategy of entrepreneurship and innovative frameworks are studied such as venture capital financing, lean startup, prototypes, agile development, design thinking, and business model innovation. Prerequisite: Open to one-year MBA students only. (Lec. 3)

**MBA 527**  Old title: Protection Contracts and Intellectual Property  
New title: Technology and Business Law  
Change credits from 2 to 3  
New description: Explores impacts of technology on innovation, international legal environment, intellectual property (IP), and business strategies on technology and IP. Prerequisite: Open to one-year MBA students only. (Lec. 3)

**MBA 528**  Old title: Innovation Enterprises and Information Technology  
New title: Business Integration II  
Change credits from 4 to 3  
New description: Business integration copes with cross-organizational challenges that include process improvement and reengineering, technology and culture shift, new opportunity exploration, and sustainability. Prerequisite: Open to one-year MBA students only. (Lec. 3)

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**College of Health Sciences**

**PHT 511** Human neuroscience and Neurology  
Cross list as PHT 511/NEU 511

**CMD 583** Acquired Cognitive Communication Disorders  
Cross list as CMD/NEU 583

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**Notice of Change**

**College of Arts and Sciences:**
**Political Science (Appendix A)**  
Change name of Master of Arts in Political Science to Master of Arts in International Relations

**Medical Physics (Appendix B)**  
Discontinue comprehensive exam.  
Correct catalog copy.
College of the Environment and Life Sciences:
Master’s in Environmental and Scientific Management (Appendix C)
Expanding requirements of culminating experience.

College of Education and Professional Studies:
School of Education (Appendix D)
Master's in Education and Master's in Special Education will no longer require the comprehensive exam.