

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 credits 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)

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

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.