

5-15-2013

SR-12-13-34 CC

Marshall University

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## CURRICULUM COMMITTEE RECOMMENDATION

SR-12-13-34 CC

**NOTE:** The curricular form for each item listed may be accessed at [www.marshall.edu/senate/ucc](http://www.marshall.edu/senate/ucc). Click the UCC Agendas/Minutes link; click the link for the March 15<sup>th</sup> and April 5, 2013 meeting date; click the link in the Description column to open a particular item.

Recommends approval of the listed **COURSE ADDITIONS** in the following colleges and/or schools/program: **COLLEGE OF BUSINESS, COLLEGE OF HEALTH PROFESSIONS, COLLEGE OF EDUCATION, COLLEGE OF INFORMATION TECHNOLOGY AND ENGINEERING, COLLEGE OF LIBERAL ARTS and COLLEGE OF SCIENCE:**

- **COLLEGE OF BUSINESS:**

- |         |   |                  |
|---------|---|------------------|
| MGT 370 | <b>Energy Management Principles</b><br>A managerial perspective of regional, national, and international energy issues. Course provides an objective assessment into the projections, limitations, costs and tradeoffs associated with conventional and alternative sources of energy.<br><b>Pre-requisite:</b> MGT 320.                                | <b>3 credits</b> |
| MGT 380 | <b>Principles of Renewable Energy</b><br>An introduction to renewable energy management, markets, and sustainable business solutions. Nuclear, hydro, solar, wind, geothermal, biomass and biofuel sectors will be evaluated for their economic viability and business profitability. <b>Pre-requisite:</b> MGT 320.                                    | <b>3 credits</b> |
| MGT 458 | <b>Energy Management Strategy</b><br>Comprehensive coverage of all facets of the management of energy sources, production, risks, and markets. Provides managerial tools necessary to increase production capabilities and maneuver with the transforming energy sectors.<br><b>Pre-requisite:</b> FIN 370, LE 308, MGT 370.                            | <b>3 credits</b> |
| MIS 360 | <b>Intro to Bus Intel &amp; Analytics</b><br>Introduction to the field of business intelligence & analytics, introducing the use of big data, statistical, quantitative analysis, exploratory and predictive models, and fact-based management to drive decisions and actions.<br><b>Pre-requisite:</b> MGT 218, MIS 290. <b>Co-requisite:</b> MIS 340. | <b>3 credits</b> |
| MIS 460 | <b>Advanced Bus Intel &amp; Analytics</b><br>An advanced study of business intelligence & analytics, the use of big data, statistical, quantitative analysis, exploratory and predictive models, and fact-based management to drive decisions and actions.<br><b>Co-requisite:</b> MIS 444 and MGT 420. <b>Pre-requisite:</b> MIS 360.                  | <b>3 credits</b> |
| MIS 476 | <b>Bus Intel &amp; Analytics Project</b><br>A capstone project in business intelligence & analytics. Principles of business intelligence & analytics as applied to the development of a comprehensive, multi-disciplinary business intelligence and analytics project.<br><b>Pre-requisite:</b> MIS 460   | <b>3 credits</b> |

- **COLLEGE OF EDUCATION:**

ITL 403 **RBA Adv Portfolio Development** **3 credits**  
 Students are coached through the RBA portfolio development process. This includes: What a portfolio is; inventorying their work and life experience and creating and submitting the portfolio.  
**Pre-requisite:** Restricted to RBA majors, but permission of instructor only.

- **COLLEGE OF HEALTH PROFESSIONS:**

ESS 386 **Adult Fitness** **3 credits**  
 Discuss health risk appraisal and exercise benefits of commonly seen pathophysiology among the U.S. adults.  
**Pre-requisite:** ESS 345.

ESS 450 **Sport Agent** **3 credits**  
 This course focuses on the understanding of sports agent industry and structure.

PEL 118 **Spinning** **1 credit**  
 Designed to promote fitness through spinning.  
**Pre-requisite:** ESS 250.

PEL 119 **Total Body Conditioning** **1 credit**  
 Designed to help instruct both men and women with a variety of lifetime fitness activities.

PEL 175 **Core Conditioning** **1 credit**  
 Designed to help instruct both men and women on numerous activities to help strengthen the abdominal region of the body which can then be incorporated into their workout routine.

PH 220 **Social & Behavioral Health** **3 credits**  
 Develop basic literacy regarding social concepts and processes that influence health status and public health interventions. Understand interaction of biologic, behavioral, social and environmental factors influencing health status of population.

PH 240 **Control of Infectious Diseases** **3 credits**  
 Examination of infectious diseases from a public health perspective, including strategies for prevention, treatment, control and eradication.  
**Pre-requisite:** PH 105

PH 305 **Fdn & Form of PH Policy** **3 credits**  
 Introduction to policy development, establishment and implementation with a focus on critical health issues. Students will develop skills in addressing current problems in health policy.

PH 350 **Research Mds in Public Health** **3 credits**

The course focuses on quantitative and qualitative research methods and covers observational and experimental research designs.

**Pre-requisite:** MTH 225

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|-----|-----|--|------------------|
| PH  | 380 | <b>Maternal and Child Health</b>   | <b>3 credits</b> |
|     |     | This course takes a life cycle approach to understand the health issues, needs, policies, and program implications for women and children with a global perspective.   |                  |
|     |     | <b>Pre-requisite:</b> PH 270   |                  |
| PH  | 420 | <b>Topics in Health Policy</b>   | <b>3 credits</b> |
|     |     | This course provides in depth student of timely topics in health policy. High impact health reform issues will be examined, culminating in student formulation of a policy proposal.   |                  |
| PH  | 430 | <b>Monitoring and Eval in PH</b>   | <b>3 credits</b> |
|     |     | Introduces students to the language and theory of program monitoring and evaluation. Facilitate understanding of managing and tracking results in health programs.   |                  |
|     |     | <b>Pre-requisites:</b> PH 101 and PH 105   |                  |
| RSP | 212 | <b>Acute/Chronic Pulmonary Management</b>  | <b>3 credits</b> |
|     |     | Emphasis placed on pulmonary function testing/interpretation and care of a patient with long term pulmonary disability requiring home care and rehabilitation.   |                  |
|     |     | <b>Co-requisite:</b> Junior Status. <b>Pre-requisite:</b> Junior Status  |                  |
| RSP | 308 | <b>Resp Mgt &amp; Quality Improvement</b>  | <b>3 credits</b> |
|     |     | This course introduces the student to basic management principles of a respiratory department. Discussion includes scope of management, quality issues, budgeting issues, and evaluation and application of management concepts. |                  |
|     |     | <b>Co-requisite:</b> Junior Status. <b>Pre-requisite:</b> Junior Status  |                  |

• **COLLEGE OF INFORMATION TECHNOLOGY & ENGINEERING:**

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|----|-----|--|------------------|
| CS | 402 | <b>Computer Architecture</b>   | <b>3 credits</b> |
|    |     | Design and analyze structure of major hardware components of computers including: ALU, instructions sets, memory hierarchy, parallelism through multicore and many core, storage systems and interfaces.   |                  |
|    |     | <b>Pre-requisite:</b> CS 300   |                  |
| CS | 405 | <b>Computing for Bioinformatics</b>  | <b>3 credits</b> |
|    |     | Study of computational algorithms and programming techniques for various bioinformatics tasks including parsing DNA files, sequence alignments, tree construction, clustering, species identification, principal component analysis, correlations, and gene expression arrays. |                  |
|    |     | <b>Pre-requisite:</b> CS 215   |                  |

• **COLLEGE OF LIBERAL ARTS:**

ANT 472 **Language, Gender and the Body** **3 credits**  
Uses methods and theories from anthropology, linguistics and sociology to examine how gendered bodies in different cultures are constructed through ways of acting in the world.

*\*Add MC designation*

HST 447 **Film and Empire** **3 credits**  
This course explores the nature and importance of empires through the reading of key texts and the study of selected films.

INT 499 **Senior Seminar** **3 credits**  
A capstone experience for International Affairs majors, intended to provide an integrated perspective on the field through the application of interdisciplinary theories, methods, and practices to global issues.

• **COLLEGE OF SCIENCE:**

**3 credits**

MTH 140H **Applied Calculus Honors**  
A brief survey of calculus including both differentiation and integration with applications. This honors course will also introduce topics from differential equations with applications.  
**Pre-requisite:** ACT Math 25 or SAT Math 580 or by permission.

MTH 425 **Sampling Designs & Estimation**  
Coverage of the theory and applications of a variety of sampling designs, sample size determination; ration and regression estimated comparisons among the designs.  
**Pre-requisite:** MTH 326 or permission by instructor.

**FACULTY SENATE CHAIR:**

APPROVED BY THE FACULTY SENATE: Elden R. Lars DATE: 5-15-13

DISAPPROVED BY THE FACULTY SENATE: \_\_\_\_\_ DATE: \_\_\_\_\_

**UNIVERSITY PRESIDENT:**

APPROVED: [Signature] DATE: 6/3/13

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

**COMMENTS:**

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