SR-14-15-15 CC

Marshall University
CURRICULUM COMMITTEE RECOMMENDATION

SR-14-15-15 CC

NOTE: The curricular form for each item listed may be accessed at www.marshall.edu/senate/ucc. Click the UCC Agendas/Minutes link; click the link for the November 7, 2014 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 ARTS & MEDIA/ COLLEGE OF INFORMATION TECHNOLOGY & ENGINEERING/ COLLEGE OF LIBERAL ARTS/ COLLEGE OF SCIENCE/ UNIVERSITY COLLEGE.

COLLEGE OF ARTS & MEDIA:

- **MUS 497** Capstone Project in Music 2 hours
  A discipline-based experience designed to combine the student’s musical knowledge and range of knowledge outside the field of music in a summarizing project. Prerequisites: MUS 361, MUS 376, and completion of piano proficiency requirements.

- **THE 422** Stage Combat 3 hours
  Unarmed and small arms combat for theatre and film.

COLLEGE OF INFORMATION TECHNOLOGY & ENGINEERING:

- **CS 412** Embedded Systems 3 hours
  The design of systems containing embedded computers. Micro-controller technology, assembly language and C programming, input/output interfacing, data acquisition hardware, interrupts, and timing. Real-time operating systems and application programming. Application examples. Prerequisites: CS 402

- **CS 415** Data Mining 3 hours
  Covers (1) the process of knowledge discovery, (2) algorithms (association rules, classification, and clustering), and (3) real-world applications. Focuses on efficient data mining algorithms and scaling up data mining methods. Prerequisites: CS 215, CS 410

- **CS 435** Cyber Risk 3 hours
  Advanced course on the functions and purposes of the latest development in cyber security techniques and tools used to create, secure, protect and
remediate cyber-infrastructures from various cyber threats. **Prerequisites:**
CS 430: Cybersecurity

**COLLEGE OF LIBERAL ARTS:**

- **GER 425** Grimm’s Fairy Tales 3 hours
  Taught in English this course will focus on many of the Brothers Grimm’s collection of 279 fairy tales, augmented by additional readings and film showings.

- **PSC 402** Politics of the Undead 3 hours
  An exploration of political thought, international relations theory, and political economy through the pop cultural lens of vampires, zombies, and other undead creatures.

**COLLEGE OF SCIENCE:**

- **BSC 428** Neuroscience 3 hours
  The fundamentals of cellular and systems neuroscience, with application towards understanding current research and biomedical problems.
  **Prerequisites:** BSC 428, BSC 120, and one of the following with a C or better: BSC 322, BSC 422, CHM 355

**UNIVERSITY COLLEGE:**

- **UNI 400** Graduate School Preparation 2 hours
  This course will provide necessary steps, tools, and resources future graduates need in completing their undergraduate career and pursuing a graduate degree. Designed for students graduating within one year.
  **Prerequisites:** Junior Status (58 credit hours)

**FACULTY SENATE CHAIR:**

APPROVED BY THE FACULTY SENATE: **Date:** 4/17/2015

DISAPPROVED BY THE FACULTY SENATE: __________________________ DATE: __________________________
UNIVERSITY PRESIDENT:

APPROVED: [Signature] DATE: 7/2/15

DISAPPROVED: __________________________ DATE: ________________

COMMENTS: ____________________________________________

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