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SR-12-13-30 CC

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Recommended Citation

Marshall University, "SR-12-13-30 CC" (2013). *Recommendations*. 158.
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CURRICULUM COMMITTEE
RECOMMENDATION

SR-12-13-30 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 March 15, 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 IT AND ENGINEERING, COLLEGE OF HEALTH PROFESSIONS, COLLEGE OF LIBERAL ARTS, COLLEGE OF FINE ARTS and the COLLEGE OF SCIENCE:**

- ## COLLEGE OF IT AND ENGINEERING:

    CS   105   **Expl World with Computing**   **3 credits**
    Add Course and Catalog Description with CT designation:
    Rational: Central principles and big ideas of computing: problem solving, computational and critical thinking, abstraction, creativity, reasoning, data, algorithms, recursion, visualization, and limits of computation, solve real-world problems with computing.

    CS   110H   **Computer Science I Honors**   **3 credits**
    * *Add Course and Catalog Description:*
    Rational: Object-oriented and algorithmic problem solving principles and techniques; programming with classes in an integrated programming environment; and program debugging.
    Co-requisite(s): MTH 132 or MTH 229 or MTH 229H
    Prerequisite(s): Admittance to the Honors College AND Math ACT of 23 or higher.

    CS   205   **Scientific Computing**   **3 credits**
    * *Add Course and Catalog Description:*
    Rational: An introduction to computer programming, software design, and algorithm analysis and implementation. Abstract concepts illustrated with examples and exercises drawn from the mathematical and physical sciences. Primarily for non-CS majors.
    Co-requisite/Prerequisite: MTH 229

- ## COLLEGE OF HEALTH PROFESSIONS:

    HP   110   **Intro to the Health Profession**   **3 credits**
    * *Add Course and Catalog Description:*
    Rational: This course is designed to provide an overview of the health care system and health professions taught within the Marshall University campus and throughout the state.

HP   210   **Health Sciences Seminar**   **3 credits**
Add Course and Catalog Description:
Rational: This course is designed to bring outside non-clinical speakers to discuss professionalism in health care. Students analyze career opportunities and establish non-clinical career expectations.
Prerequisite(s): HP 110

HP   320   **Intro to Res in Health Prof.**   **3 credits**
Add Course and Catalog Description:
Rational: This course covers the basic quantitative and qualitative research techniques used in the health professions.
Prerequisites: HP110, HP 210 & Statistics. EDF 417 or PSY 417, BSC 417 or MTH 225

HP   420   **Allied Health Sciences Admin.**   **3 credits**
Add Course and Catalog Description:
Rational: In this course students will explore and apply allied health sciences principles as they relate to the student's focus in the Health Sciences major.

MI   212   **Seminar Imaging Sciences II**   **1 hour**
Add Course and Catalog Description:
Rational: Seminar on new and emerging technologies in imaging sciences.

MI   311   **Seminar Imaging Sciences III**   **1 hour**
Add Course and Catalog Description:
Rational: Seminar on new and emerging technologies in imaging sciences.

MI   312   **Abdominal Sonography I**   **4 credits**
Add Course and Catalog Description:
Rational: This course covers basic abdominal sonography positioning and scanning protocols, as it related to normal anatomy of the abdomen. Laboratory included.

MI   313   **Ultrasound Physics I**   **3 credits**
Add Course and Catalog Description:
Rational: The focus of this course is to educate students about the physics of sound waves and their interaction with tissue enabling the display of diagnostic imaging.

MI   314   **Clinical Practice I Sonography**   **4 credits**
Add Course and Catalog Description:
Rational: Clinical practice experiences are designed for sequential development, application, critical analysis, integration, synthesis

and evaluation of concepts and theories in the performance of sonographic procedures.

MI   315   **Small Parts Sonography**   **3 credits**
* Add Course and Catalog Description
Rational: The course covers anatomy, positioning and scanning protocol of the superficial structures.

MI   316   **Abdominal Sonography II**   **3 credits**
* Add Course and Catalog Description:
Rational: This course covers basic abdominal sonographic positioning and scanning protocols, as it related to normal anatomy, anatomical variants, physiology to include the retro peritoneum, associated abdominal vasculature identified.
Prerequisite: MI 312

MI   317   **Ultrasound Physics II**   **3 credits**
* Add Course and Catalog Description:
Rational: The focus of this course is to educate students about the physics of sound waves and their interaction with tissue enabling the display of diagnostic imaging.

MI   318   **Vascular Sonography I**   **4 credits**
* Add Course and Catalog Description:
Rational: Discussion of vascular disease, duplex examinations with comparison to arteriography, as it pertains to venous and visceral vascular examinations. Laboratory included.

MI   319   **Clinical Practice II Sonography**   **4 credits**
* Add Course and Catalog Description:
Rational: Clinical practice experiences are designed for sequential development, application, critical analysis, integration, synthesis and evaluation of concepts and theories in the performance of sonographic procedures.

MI   415   **RIS and PACS Principles**   **3 credits**
* Add Course and Catalog Description:
Rational: Course content provides basic knowledge of digital storage systems, computer networking, and radiology information systems (RIS), and picture archiving and communications systems (PACS).

MI   416   **Obstetrical Sonography I**   **3 credits**
* Add Course and Catalog Description:
Rational: This course covers basic obstetrical sonographic positioning and scanning protocols, as it relates to normal anatomy of the fetus.

MI   417   **Gynecological Sonography I**   **3 credits**
* Add Course and Catalog Description:
Rational: This course presents a study of normal anatomy and physiology of the nongravid and first trimester pelvis.

MI   419   **Clinical Practice III Sonography**   **4 credits**
Rational: Clinical practice experiences are designed for sequential development, application, critical analysis, integration, synthesis and evaluation of concepts and theories in the performance of sonographic procedures.

MI   420   **Obstetrical Sonography II**   **2 credits**
* Add Course and Catalog Description:
Rational: This course focuses on sonographic techniques in high risk pregnancies and fetal abnormalities.

MI   421   **Gynecological Sonography II**   **2 credits**
* Add Course and Catalog Description:
Rational: This course presents a study of pathology if the nongravid and first trimester pelvis.

MI   422   **Clinical Practice IV Sonography**   **4 credits**
* Add Course and Catalog Description:
Rational: Clinical practice experiences are designed for sequential development, application, critical analysis, integration, synthesis and evaluation of concepts and theories in the performance of sonographic procedures.

MI   424   **Vascular Sonography II**   **3 credits**
* Add Course and Catalog Description:
Rational: Discussion of capsular pathology and the use of plethsymography techniques in sonography.

• COLLEGE OF FINE ARTS:

ART   464   **History of Modern Design**   **3 credits**
* Add Course and Catalog Description:
Rational: History of print and object design from the beginning of the nineteenth through the twentieth century will be studied in terms of art history, technology, politics, economics, and consumer behavior.
Prerequisites: ART 112 or ART 101 and ART 201 or permission.

• COLLEGE OF LIBERAL ARTS:

JPN   245   **Modern Japanese Lit**   **3 credits**
* Add Course and Catalog Description:

Rational: Taught in English, course examines Japanese literature from the mid-nineteenth century to the present day.
Designators: CT, INTL, Core II (Humanities)

JPN   250   **Japanese Anime and Manga**   **3 credits**
* *Add Course and Catalog Description:*
Rational: Taught in English, this course examines the history and nature of Japanese animation (anime) and comics (manga).
Designators: CT, INTL, Core II (Humanities)

JPN   407   **Japanese Teaching Methodology**   **3 credits**
* *Add Course and Catalog Description:*
Rational: Analysis and practical application of teaching Japanese, including professional development, language pedagogy, and language standards.
For Japanese education majors only.
Co-requisite: CI 470
Prerequisite: JPN 315 or permission

PSC   466   **Appalachian Politics**   **3 credits**
* *Add Course and Catalog Description:*
Rational: Explores Appalachia as both a geographical region and a political construct, focusing on how politics shapes regional identity and the region's relationship to the United States.

- **COLLEGE OF SCIENCE:**

CHM   361H   **Intro Honors Organic Chem Lab**   **3 credits**
* *Add Course and Catalog Description:*
Rational: This laboratory will introduce students to advanced concepts and techniques in organic synthesis and spectroscopy. It requires students to engage in an independent synthetic project from the chemical literature.
Co-requisite: CHM 356

FACULTY SENATE CHAIR:

APPROVED BY THE
FACULTY SENATE: _____ DATE: 4-29-13

DISAPPROVED BY THE
FACULTY SENATE: _____ DATE: _____

UNIVERSITY PRESIDENT:

APPROVED: _____ DATE: 5/2/13

DISAPPROVED: _____ DATE: _____

COMMENTS: _____

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