THE UNIVERSITY OF WISCONSIN-MILWAUKEE
College of Engineering and Applied Science

F A C U L T Y   M E E T I N G

Friday, November 20, 2015

A G E N D A

The November 20, 2015 faculty meeting has been canceled due to a lack of business.

AUTOMATIC CONSENT BUSINESS

    A. New Courses and Course Changes – See Attachment 1

NOTE TO FACULTY:

    CEAS Faculty legislation allows for the approval of Automatic Consent Business in the absence of a regularly scheduled faculty meeting. If there is any objection to the above, consideration will be delayed until the next regularly scheduled faculty meeting.

    Objections to approval of the above must be received by the Secretary of the CEAS Faculty in writing before 1:30 p.m., Friday, November 20, 2015.

                        John R. Reisel, Secretary
                        CEAS Faculty

JRR
Attachments

NEW COURSES

BME 690   TOPICS IN BIOMEDICAL ENGINEERING, 3 cr., U/G
Specific topics, credits, and any additional prerequites will be announced in the
Schedule of Classes each time the course is offered. May be taken with change
in topic to max of 9 cr.
Prereq: jr st.

BME 733   SENSORS AND SYSTEMS, 3 cr., G
Physical principles and working of sensors, interfacing, and sensor networks.;
Jointly offered with & counts as repeat of ElecEng 733 & MechEng 733.
Prereq: grad st; ElecEng 305 or cons. instr.

ELECENG 733   SENSORS AND SYSTEMS, 3 cr., G
Physical principles and working of sensors, interfacing, and sensor networks.;
Jointly offered with & counts as repeat of BME 733 & MechEng 733.
Prereq: grad st; ElecEng 305 or cons. instr.

MECHENG 733   SENSORS AND SYSTEMS, 3 cr., G
Physical principles and working of sensors, interfacing, and sensor networks.;
Jointly offered with & counts as repeat of BME 733 & ElecEng 733.
Prereq: grad st; ElecEng 305 or cons. instr.

CIV ENG 555   SUSTAINABLE CONSTRUCTION MATERIALS AND TECHNIQUES, 3 cr., U/G
Sustainable construction materials and methodologies related to commercial
construction, LEED/Green certifications, material selection.
Prereq: none

COMPSTD 701   MATHEMATICAL AND COMPUTING FUNDAMENTALS FOR IT
PROFESSIONALS, 3 cr., G
Introductory discussion of logic and reasoning techniques, discrete structures,
combinatorics, probability, and their applications to IT Two 75 minute meetings
per week

MECHENG 706   CONTINUUM MECHANICS, 3 cr., G
Basic concepts of the continuum models used in the various fields of mechanics
including fluid mechanics, rheology, elasticity, fracture mechanics and plasticity.
Prereq. Graduate Standing

COURSE CHANGES

COMPSCI 747   PRINCIPLES AND PRACTICES OF USER INTERFACE DESIGNI, 3 cr., G
Principles and practices of user interface design for desktop, web, and mobile
applications: interaction principles; UI design elements; user-centered design
process and practices.
Prereq: grad st.

had been

COMPSCI 747   HUMAN-COMPUTER INTERACTION, 3 cr., G
                       Survey of principles, practice, and current research in human-computer
                       interaction including hci theories, design processes, assessment techniques, and
                       tools.
                       Prereq: grad st.

COMPSCI 738   PROGRAM ANALYSIS FOR SOFTWARE ENGINEERING, 3 cr., G
                       Static techniques for determining run-time properties of a program: data-flow
                       analysis, abstract interpretation.
                       Prereq: grad st.

                                            had been

COMPSCI 838   PROGRAM ANALYSIS, 3 cr., G
                       Static techniques for determining run-time properties of a program: data-flow
                       analysis, abstract interpretation.
                       Prereq: grad st; CompSci 754(P) or 732(P) or equiv or cons instr.

COMPSCI 995   MASTER'S CAPSTONE PROJECT, 1-3 cr., G
                       Independent project supervised by student's adviser.
                       Prereq: grad st; cons instr & grad prog comm.

                                            had been

COMPSCI 995   MASTER'S CAPSTONE PROJECT, 3 cr., G
                       Independent project supervised by student's adviser.
                       Prereq: grad st; cons instr & grad prog comm.

MATLENG 511   ADVANCED MATERIALS CHARACTERIZATION, 3 cr., U/G
                       Theory and operation of advanced materials characterization instrumentation
                       including thermal analysis (TGA, DSC, DMA), XRD, SEM/EDS, FTIR/Raman, 3D
                       confocal microscopy;
                       Prereq: MatlEng 411

                                            had been

MATLENG 511   ADVANCED MATERIALS CHARACTERIZATION, 3 cr., U/G
                       Theory and operation of advanced materials characterization instrumentation
                       including thermal analysis, XRD, FT-IR, Raman, AFM, and nanoindenter.
                       Prereq: None