

WESTERN MICHIGAN UNIVERSITY
COLLEGE OF ENGINEERING AND APPLIED SCIENCES
CURRICULUM COMMITTEE

MEETING AGENDA
Friday, March 20, 2015 12:00 Noon
C258, CEAS (Dean's Conference Room)

ANNOUNCEMENTS

PROCEDURAL ITEMS

Acceptance of the agenda

ACTION/DISCUSSION ITEMS*

College of Engineering and Applied Sciences

- CEAS-14-097 ENGR Change in admission requirements for students in various categories –e.g., pre-engineering, pre-engineering technology, pre computer science, CEAS exploratory etc., in accordance with the MATH placement guidelines set by the MATH department.

Department of Chemical and Paper Engineering

- CEAS-14-050 CHP New Course, CHEG 7100, "Independent Research."
- CEAS-14-050 CHP New Course, CHEG 7100, "Independent Research."
- CEAS-14-051 CHP New Course, CHEG 7300, "Doctoral Dissertation."
- CEAS-14-052 CHP Change in grade requirements of prerequisite courses Of CHEG 1810, 2611, 2810, ----- 4870 --16 courses in all).
- CEAS-14-053 CHP Change in grade requirements of prerequisite courses Of PAPR 2040, 2420, 2550, -- 4860 -- 12 courses in all).
- CEAS-14-054 CHP Change in grade requirements of prerequisite courses Of GPES 2150, 2570, 3570, ----- 4850 -- 10 courses in all).

- CEAS 14-055 CHP Change in prerequisites for CHEG 2960 from CHEG 1810 (may be taken concurrently), CHEM 1100 and PHYS 2050 to PHYS 2050 (may be taken concurrently), CHEG 1810, CHEM 1100, and MATH 1230
- CEAS 14-101 CHP Change in prerequisites for CHEG 4440 with the addition of a second alternative group of prerequisites – CHEG 3120 and CHEM 4300 (can be taken concurrently).

Department of Civil and Construction Engineering

- CEAS-14-056 CCE Removal of all prerequisites for CCE 6310
- CEAS-14-057 CCE Removal of all prerequisites for CCE 6320
- CEAS-14-058 CCE Removal of all prerequisites for CCE 6330
- CEAS-14-059 CCE Removal of all prerequisites for CCE 6340
- CEAS-14-060 CCE Removal of all prerequisites for CCE 6460
- CEAS-14-061 CCE Removal of all prerequisites for CCE 6520
- CEAS-14-062 CCE New Course, CCE 7300, “Doctoral Dissertation.”

Department of Computer Science

- CEAS-14-063 CS Revised major (CSI) – Require MATH 2300 in place of MATH/STAT elective.
- CEAS-14-064 CS Removal of MATH 1450 as prerequisite for CS 4310 as it is embedded in the other prerequisite (CS 3310) for the course.
- CEAS-14-065 CS A new undergraduate certificate program, “Embedded Systems Venture.”
- CEAS-14-066 CS New Course, CS 3950, “Venture Project.”
- CEAS-14-067 CS For CS 5250, a) Change the prerequisites to (CS 2230 or ECE 2510) and CS 3310; b) stipulate a minimum grade requirement of ‘C’ in the prerequisite courses.
- CEAS-14-068 CS For CS 5260 a) change the title to Parallel Computations from Parallel Computations I, b) make minor changes in course description, and c) stipulate a minimum grade requirement of ‘C’ in the prerequisite courses
- CEAS-14-069 CS For CS 5270 a) change the title to Computer Graphics from Theory of Computer Graphics, b) make changes in

course description, c) drop (MATH 2300 or MATH 3740) from prerequisites and c) stipulate a minimum grade requirement of 'C' in the prerequisite courses

- CEAS-14-070 CS For CS 5400, a) change the title to Design of User Interfaces from Designing of User Interfaces, b) replace CS 3400 with CS 3310 as a prerequisite, and c) stipulate a minimum grade requirement of 'C' in the prerequisite courses .
- CEAS-14-071 CS For CS 5430, a) new title of Database Systems replacing Principle of Data Based Management Systems, b) change description, and c) stipulate a minimum grade requirement of 'C' in the prerequisite courses.
- CEAS-14-072 CS For CS 5810 a) change description, and b) stipulate a minimum grade requirement of 'C' in the prerequisite courses.
- CEAS-14-073 CS For CS 5820 a) change description, and b) stipulate a minimum grade requirement of 'C' in the prerequisite courses.
- CEAS-14-074 CS For CS 6260 a) change title to Advanced Parallel Computations from Parallel Computations II, b) change description, c) add a prerequisite of (CS 4310 or CS 5310), and d) stipulate a minimum grade requirement of 'B' in the prerequisite courses.
- CEAS-14-075 CS For CS 6310 a) change title to Advanced Design and Analysis of Algorithms from Advanced Data Structures, b) change description, c) change prerequisite to (CS 4310 or CS 5310) from CS 4310 , and d) stipulate a minimum grade requirement of 'B' in the prerequisite courses.
- CEAS-14-076 CS For CS 6320 a) change title to Inscrutable Problems and Approximate Algorithms from Analysis of Computer Algorithms, b) change description, c) change prerequisite to (CS 4310 or CS 5310) and CS 5800 from CS 4310 and CS 5800, and d) stipulate a minimum grade requirement of 'B' in the prerequisite courses.
- CEAS-14-077 CS For CS 6430 a) change title to Database Management System Implementation Advanced Database Management Systems, b) change description, c) a new set of prerequisites of CS 5430 or CS 5541, and d) stipulate a minimum grade requirement of 'B' in the prerequisite courses.

- CEAS-14-078 CS For CS 6530 a) change description, b) change prerequisites from CS 5430 to CS 5310 or CS 5541, and c) stipulate a minimum grade requirement of 'B' in the prerequisite courses.
- CEAS-14-079 CS For CS 6550 a) change prerequisites from CS 4540 to CS 4310 or CS 5310, and CS 5541, and b) stipulate a minimum grade requirement of 'B' in the prerequisite courses.
- CEAS-14-080 CS For CS 6580 a) change prerequisites from CS 5550 or equivalent to CS 5541 or CS 5550 or an equivalent course, and b) stipulate a minimum grade requirement of 'B' in the prerequisite courses.
- CEAS-14-081 CS For CS 6600 a) change title to Software Engineering from Software Engineering I - ... , b) change description, c) change prerequisites to CS 3310 from CS 3310 or CS 4410 and MATH 1450, and d) stipulate a minimum grade requirement of 'B' in the prerequisite courses.
- CEAS-14-082 CS For CS 6610 a) change title to Software Testing from Software Engineering II - ... , b) change description, c) change prerequisites to CS 3310 from CS 6600, and d) stipulate a minimum grade requirement of 'B' in the prerequisite courses.
- CEAS-14-083 CS For CS 6720 a) change in prerequisites from CS 4310 and STAT 3640 to (CS 4310 or CS 5310) and an Undergraduate level Statistics, and b) stipulate a minimum grade requirement of 'B' in the prerequisite courses.
- CEAS-14-084 CS For CS 6800 a) change title to Advanced Theory of Computation from Theory of Formal Computation III - ... , b) change description, and c) stipulate a minimum grade requirement of 'B' in the prerequisite courses.
- CEAS-14-085 CS For CS 6810 a) change title to Compiler Optimization from Compiling Theory and Practice, b) change description, c) change prerequisites from CS 5810 to (CS 5541 and CS 5800) or CS 5810, and d) stipulate a minimum grade requirement of 'B' in the prerequisite courses.
- CEAS-14-086 CS For CS 6820 a) change in prerequisites from CS 5820 to (CS 4310 or CS 5310) and CS 5820, and b) stipulate a minimum grade requirement of 'B' in the prerequisite courses.

- CEAS-14-100 CS Change in graduation requirements for BS in Computer Science (CSI) – no more than two grades <C in a list of courses including all courses with a CS prefix.

Department of Industrial and Entrepreneurial Engineering and Engineering Management (IEE &EM)

- CEAS-14-087 IEE&EM Change in prerequisite for IEE 3160 by the addition of ENGL 1050 as an alternative for IME 1020
- CEAS-14-088 IEE&EM Change in prerequisite for IEE 5420 by the removal of IEE 2620
- CEAS-14-089 IEE&EM Change in prerequisite for IEE 6040 from IME 4040, 4140 or permission of the instructor to EDMM 4040 or IEE 4140 or permission of the instructor
- CEAS-14-090 IEE&EM Change in prerequisite for IEE 6080 from IME 2610 or 2620 or equivalent (Recommended) to IEE 2610 and (IEE 2620 or 2621 or equivalent) (Recommended).
- CEAS-14-091 IEE&EM Change in prerequisite for IEE 6300 from IME 2610 or 2620 or equivalent (Recommended) to IEE 2610 and (IEE 2620 or 2621 or equivalent (Recommended)).
- CEAS-14-092 IEE&EM Change in prerequisite for IEE 6420 from IME 2610 or 2620 or equivalent (Recommended) to IEE 2610 or equivalent (Recommended)).
- CEAS-14-093 IEE&EM Change in prerequisite for IEE 6430 from IME 2610 or 2620 or equivalent (Recommended) to IEE 2610 or equivalent (Recommended))
- CEAS-14-094 IEE&EM Change in prerequisite for EM 5080 from IME 3180 or 3280 or 5010 or equivalent (Recommended) to IEE 2622 or EDMM 3280, or IEE 5010 or equivalent (Recommended)
- CEAS-14-095 IEE&EM Change in course description for EM 6000.
- CEAS-14-096 IEE&EM a) change in course description, and b) change in prerequisites from IME 6000 or equivalent to EM 6000 or equivalent for EM 6220.

Department of Mechanical and Aeronautical Engineering

- CEAS-14-098 MAE a) change in course title to Modern Engineering Materials from Materials Science II, and b) change in course description for ME 5500
- CEAS-14-099 MAE Change in graduation requirements for B.S. in Mechanical Engineering, and b) restructuring of the Mechanical Engineering elective course list.

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*Proposals can be reviewed on Web site,

<http://www.wmich.edu/engineer/about/college-curriculum.html>