

CSE Curriculum Committee

Agenda Summary
February 5, 2013

Full agenda is on the web site: <http://www.aem.umn.edu/~shield/csecc/>

1. Approval of December 4, 2012 meeting Minutes – see web site.
2. Meeting Schedule for spring 2013 – **NOTE room changes**
 - a. 2:30 on Tuesday 2013-4-23 in 105Q Lind
3. Items for Information only (already approved in ECAS):
 - a. See web site
4. Items for Approval without Objection (already approved in ECAS):
 - a. AEM 4303W – Flight Dynamics and Control: new description: (removes spacecraft)
 - b. BBE 3012 -- Transport in Biological Processes I: new prereqs: 2001, 3033, [MATH 2243 or 2373], [MATH 2263 or 2374], PHYS 1302W or #
 - c. BBE 3013 -- Engineering Principles of Molecular and Cellular Processes: new prereqs: BIOL 1009, [CHEM 1022 or [CHEM 1062, CHEM 1066] or [&CHEM 1062, &CHEM 1066]], Math 1272 or Math 1372 or #
 - d. BBE 3023 -- Ecological Engineering Principles: new prereqs: BIOL 1009, [BBE 3012 or &BBE 3012] or #
 - e. BBE 4013 -- Transport in Biological Processes II: new prereqs: 3012, 3043, upper div CSE or #
 - f. BBE 4355 -- Design of Wood Structures: new prereqs: 2001 or CE student or #
 - g. BBE 4401 -- Bioproducts Engineering: new prereqs: [3033, 3012, UD] or #
 - h. BBE 4523 -- Ecological Engineering Design: new prereqs: [CHEM 1022 or [CHEM 1062, CHEM 1066], 3012, upper div CSE] or #
 - i. BBE 4733 -- Renewable Energy Technologies: new prereqs: Junior or Senior
 - j. BBE 5333 -- Off-road Vehicle Design: new prereqs: [[2001, 4303] or [AEM 2021, AEM 3031], [3012 or &3012 or CE 3502 or &CE 3502], upper div CSE] or #
 - k. BMEN Lecture/lab splits:
 - i. BMEN 3001 – Biomechanics into 3011/3015
 - ii. BMEN 3101 - Biomedical Transport Processes into 3111/3115
 - iii. BMEN 3201 - Bioelectricity and Bioinstrumentation into 3211/3215
 - iv. BMEN 3301 – Biomaterials into 3311/3315
 - v. BMEN 3401 - Biomedical Systems Analysis into 3411/3415
 - l. CSCI 1103 -- Introduction to Computer Programming in Java: new description: *Fundamental programming concepts and software development using the Java language. Problem solving skills. Algorithm development techniques. Use of abstractions and modularity. Data structures and abstract data types. Substantial programming projects, integral weekly lab.*
 - m. New Course: CSCI 4041H -- Algorithms and Data Structures: honors version of 4041. (see syllabus on handout)
 - n. CSCI 4041: now equiv to 4041H
 - o. CSCI 5161 -- Introduction to Compilers: new prereqs: [2021, 5106] or #
5. Action Items (new course syllabi are on separate handouts):
 - a. New Course: PHYS 1501V -- Honors Introduction to Mechanics
 - b. New Course: PHYS 1502V -- Honors Introduction to Electricity and Magnetism
 - c. New Course: BMEN 5701 -- Cancer Bioengineering
 - d. New Course: CSCI 1113 -- Introduction to Computing and Programming Concepts
 - e. New Course: CSCI 1913 -- Introduction to Algorithms, Data Structures, and Program Development
6. New Business
7. Adjourn