

IT Curriculum Committee

Agenda Summary

Sept. 22, 2009

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

1. Approval of April 21, 2009 meeting Minutes
2. Reminder: Meeting Schedule for 2009-10
 - 2:30 on Tuesday 2009-12-8 in 4-192/4-178 EE/Csci
 - 2:30 on Tuesday 2010-2-2 in 4-192/4-178 EE/Csci
 - 2:30 on Tuesday 2010-4-20 in 4-192/4-178 EE/Csci
3. Information on Program Changes (full details are on ITCC web site):
 - a. Electrical Engineering: "Small changes to the Breadth and Depth requirements under the Senior Technical Electives. Lab courses had been included by mistake and it needs to be corrected."
 - b. Computer Engineering: "Faculty for the program have decided to add breadth and depth requirements to the Technical Program mimicking the curriculum of its sister major, Electrical Engineering. This change reflects those additional requirements."
 - c. Physics: "Phys 2201 [Introductory Thermodynamics and Statistical Physics] added to major program"
4. Items for Information only (already approved in ECAS):
 - a. AEM 5451: added equivalency to EE 5251
 - b. AEM 5495: added Spring 2010 topic: Design, Build, and Fly Small Uninhabited Vehicles
 - c. BMEN 4896/4996: changed offered to all terms and increased financial aid credits to 13
 - d. BMEN 5411 Neural Engineering: grading basis to Stdnt Opt
 - e. CE 3202 Surveying and Mapping: IT or Construction Management in prereqs and enforced prereqs.
 - f. CE 4511 Hydraulic Structures: corrections (4->3 credits, etc)
 - g. CE 5180 added topics:
 - i. Highway/Traffic Safety Eng
 - ii. Topics in Geomechanics
 - iii. Intro Env Fluid Mechs
 - iv. Air Quality Mgt
 - h. CHEM 1905 Freshman seminars:
 - i. Fall 2009
 - My Other Car Is A Bicycle
 - Science In The News
 - Science, Pop Culture & Policy
 - Recycling In The Twin Cities
 - ii. Spring 2010

- NANO! Small Science, Big Deal
 - Science In The News
 - Science, Pop Culture & Policy
 - Recycling In The Twin Cities
- i. CHEM 4021 Computational Chemistry: added instructor consent
 - j. CHEM 4221: Intro. Polymer Chemistry: Reactivated. Chemistry is undoing the changes they made last year.
 - k. CHEN 3401W Junior Chemical Engineering Lab: This is the old course CHEN 4401W.
 - l. CSCI 3921W Social, Legal, and Ethical Issues in Computing – CLE recertification
 - m. EE removing no grad student credit from
 - i. EE 4235 Linear Control Systems Laboratory:
 - ii. EE 4501 Communications Systems
 - iii. EE 4505 Communications Systems Laboratory
 - n. EE 4607 Wireless Hardware System Design: adding grad student to enforced prerequisite
 - o. EE 4721 Introduction to Power System Analysis: ditto
 - p. EE 4970 Directed study: allow repetitions
 - q. GEO 1005/1105 Geology and Cinema: CLE recertification
 - r. ME 5080 added topic spring 2010 Energy: Resources, Technology and Society
 - s. PHYS 1001 Energy and the Environment: CLE recertification
5. Items for Approval without Objection:
 - a. AEM 4302 Spacecraft Attitude Dynamics and Control: add prerequisite AEM 4303/ME 3281 (system dynamics) and renumber to 4305
 6. Action Items:
 - a. BBE 3043 Biological & Environmental Thermodynamics: New Course (see handout)
 - b. BBE 4413 Systems Approach to Residential Construction: change credits from 3 to 4
 - c. CHEM 4223W Polymer Laboratory: Changing the pre-reqs to add CHEM 4221, and to remove the concurrent registration options.
 - d. CHEM 4214 Polymers: changing the pre-reqs for CHEM 4214 to mirror the pre-reqs for CHEN 4214.
 - e. Geo 5402 Science and Politics of Global Warming: New Course (see handouts)
 - f. IE 5441 Engineering Cost Accounting and Cost Control: rename to Financial Decision Making, changes to description, add prerequisites: IT Upper division or grad.
 7. New Business
 8. Adjourn