

CSE Curriculum Committee

Agenda Summary

April 23, 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. Tentative Meeting Schedule for 2013-14 – watch web site for final schedule
 - a. 2:30 on Tuesday 2013-9-17 in 105Q Lind
 - b. 2:30 on Tuesday 2013-12-3 in 105Q Lind
 - c. 2:30 on Tuesday 2014-2-4 in 105Q Lind
 - d. 2:30 on Tuesday 2014-4-22 in 105Q Lind
3. Kirk Froggatt: MOT 4001 and the Gemini Project workshops
4. Items for Information only (already approved in ECAS):
 - a. See web site
 - b. Note BAEM Program Change: Add requirement AEM 3101 - *Mathematical Modeling and Simulation in Aerospace Engineering*, reduction in credits from 124 to 122.
5. Items for Approval without Objection (already approved in ECAS):
 - a. AEM 4303W - *Flight Dynamics and Control*: drop one credit (moved into 3101 – see BAEM program change on web site)
 - b. CE 4562 - *Environmental Remediation Technology*: reactivate
 - c. CHEN 3005 - *Transport Phenomena: Momentum and Heat*: prerequisite MATH 2373 added
 - d. CHEN 3101 - *Chemical Engineering Thermodynamics*: prerequisite MATH 2373 added
 - e. ESCI 3425 - *Atmospheric Composition and Chemistry*: New title: *Atmospheric Pollution: From Smog to Climate Change*
 - f. IE 5441 - *Financial Decision Making*: updated description
6. Action Items (new course syllabi are on separate handouts):
 - a. New Course: CSCI 1933 - *Introduction to Algorithms and Data Structures*
 - b. New Course: CSCI 2041 - *Advanced Programming Principles*
 - c. New Course: CSCI 4611 - *Programming Interactive Computer Graphics and Games* (replacement for 4107)
 - d. New Course: CSCI 5611 - *Animation & Planning in Games*
 - e. New Course: CSCI 5619 - *Virtual Reality and 3D Interaction*
 - f. New Course: CSCI 5715 - *From GPS and Virtual Globes to Spatial Computing*
 - g. Renumber course: IE 4521 - *Statistics, Quality, and Reliability* to IE 3521. The BISyE program will also then be dropping STAT 3021 as a requirement and replacing it with 3521. This course is also required for BME and they approve of the change.
 - i. **IE 4521 description:** Random variables/probability distributions, statistical sampling/measurement, statistical inferencing, confidence intervals, hypothesis testing, single/multivariate regression, design of experiments, statistical quality control, quality management, reliability, maintainability, availability.
 - ii. **STAT 3021 description:** Elementary probability, probability distributions. Sampling, elements of statistical inference. Regression.
 - h. Update prerequisites: IE courses that require STAT 3021 to require IE 3521 (3522, 3553, 4011, 4041, 4551)
 - i. New Course: ME 5465 - *Energy-Resources, Technology and Society* (has provisional approval)
7. New Business
8. Adjourn