CSM Senate Meeting

Date: Monday, April 14th, 2014
Time: 2:30pm - 4:00pm
Location: CSM Dean's Office Conference Room

Agenda:

1. Approval of the March 10, 2014 meeting minutes.
2. New business:
   2a. Addition of CHEM 663 - Graduate Writing Workshop.
       **Motion:** To approve CHEM 663 - Graduate Writing Workshop, as a new course.
       **Rationale:** The writing process should not begin once a student's research is concluded but should be an integral part of the research endeavor. It should serve as an integrated component that initiates the research process and directs and redirects the aims of the research through the culmination of the thesis or dissertation work. This course is designed to foster the integration of the writing component throughout all of the stages of research process. It is anticipated that the offering of this course will lead to an overall increase in productivity of our graduate students in terms of peer-reviewed publications and theses and dissertations of high quality.
   2b. Cross-listing of EEOS 623 - Introduction to Geographic Information Systems, as UPCD 623L.
       **Motion:** To approve cross-listing of EEOS 623 - Introduction to Geographic Information Systems, as UPCD 623L.
       **Rationale:** Cross-listing course to serve new MS program in Urban Planning and Community Development.
   2c. Cross-listing of ECON/EEOS 670L - Environmental and Energy Economics, as UPCD670L.
       **Motion:** To approve cross-listing of ECON/EEOS670L - Environmental and Energy Economics, as UPCD 670L.
       **Rationale:** Cross-listing course to serve new MS program in Urban Planning and Community Development.
   2d. Cross-listing of EEOS/MBAMGT 674L - Climate and Energy: Law, Policy and Management, as UPCD 674L.
       **Motion:** To approve cross-listing of EEOS/MBAMGT674L - Climate and Energy: Law, Policy and Management, as UPCD 674L.
       **Rationale:** Cross-listing course to serve new MS program in Urban Planning and Community Development.
2e. Cross-listing of EEOS 718 - Environmental Law and Policy: Federal Agencies, Courts, and Congress, as UPCD 718L

Motion: To approve cross-listing of EEOS 718 - Environmental Law and Policy: Federal Agencies, Courts, and Congress, as UPCD 718L.

Rationale: Cross-listing course to serve new MS program in Urban Planning and Community Development.

2f1. Revision of EEOS MS - Thesis Track requirements. Changes in course requirements.

Motion: To approve the changes in course requirements for EEOS MS - Thesis Track.

Rationale: Aligning the MS and PhD curriculum with the degree name and goals and distinguishing the program from our Marine Science and Technology programs. Currently the course requirements for the MS and PhD in Environmental Sciences are identical to the MS and PhD in Marine Science and Technology curriculum. With the elimination of the Intercampus School for Marine Science and its conversion to the Intercampus Marine Science and Technology Graduate Program the School faculty voted to strategically align the Environmental Sciences graduate program curriculum with the strengths in faculty expertise in the fields. By doing so we will be able to better support recruitment and graduation in both programs. The changes to the MS and PhD course requirements for the Environmental Sciences programs are also aligned with the curriculum of the new NSF-supported IGERT program which will also support facilitation of transdisciplinary environmental training. We will continue to offer the courses required for the MS and PhD in Marine Science and Technology both in person (they are elective courses for the Environmental Sciences MS and PhD) and through distance learning in collaboration with our partners at UMass Dartmouth.

2f2. Revision of EEOS MS - Non-Thesis Track requirements. Changes in course requirements.

Motion: To approve the changes in course requirements for EEOS MS - Non-Thesis Track.

Rationale: See rationale for 2f1.

2f3. Revision of EEOS MS - PSM Track requirements. Changes in course requirements.

Motion: To approve the changes in course requirements for EEOS MS - PSM Track.

Rationale: See rationale for 2f1.

2f4. Revision of EEOS Ph.D. requirements. Changes in course requirements.

Motion: To approve the changes in course requirements for EEOS Ph.D.

Rationale: See rationale for 2f1.

2g. Revision of EEOS 305 - Hydrology. Changes in course description and prerequisites.

Motion: To pre-approve the changes in course description and prerequisites for EEOS 305 - Hydrology.

Rationale: This course is designed as a junior-level elective. To ensure that students complete their required sophomore skills course (EEOS 281) and have mathematics competency at least the level of pre-calculus level we are proposing to add pre-requisites to the course. This
will support student success and assist majors in following their 4-year degree plan. A couple of minor typos in the course description are also fixed.

Motion: To pre-approve the changes in prerequisites for EEOS 372 - Introduction to Remote Sensing.
Rationale: The current pre-reqs are EEOS 120 or EEOS 261 or permission of instructor. To ensure that students have completed their sophomore course in GIS prior to taking this course and also have completed their statistics skills requirement we are changing the pre-requisite to make sure this course is taken as intended after completion of the skills course requirements for the major.

Motion: To pre-approve the changes in course title, description, and prerequisites for EEOS 383 - Water Resources Management.
Rationale: Changing the title and course focus to more accurately reflect course content and curricular needs of the Environmental Science BA and BS programs. We are changing the course description and title and proposing to add pre-requisites to the course to ensure that students have sufficient background to succeed in the course.

2j. Revision of ENGIN EE requirements. Allow CS 110 or CS 109 instead of CS 110 only.
Motion: To approve the revision of ENGIN EE requirements: replace the CS 110 requirement by [CS 110 or CS 109].
Rationale: The reason for this minor modification is our preference for EE majors to learn the C programming language which is frequently used in instrument controls and microprocessors. EE majors currently take the course CS 110 (Introduction to Computing, 4 credits) to fulfill their programing requirement, in which they learn Java - an object and data oriented computer language. We would like to offer EE majors the flexibility to take either CS 110 or CS 109 (Computer Programming for Engineers, 3 credits), in which they learn programming skills in C - a function and procedure oriented C language.

2k. Revision of ENGIN CE requirements. Replace three electives (two CE concentration electives and one ECE elective) by ENGIN 341, 346, and 446. Replace CS 341 by CS 310.
Motion: To approve the proposed revision of ENGIN CE requirements: replace three electives (two CE concentration electives and one ECE elective) by ENGIN 341, 346, and 446, and replace CS 341 by CS 310.
Rationale: The three ENGIN courses strengthen the CE core curriculum and align it with the prescribed "Curriculum Guidelines for Undergraduate Degree Programs in Computer Engineering," a report crafted by The Joint Task Force on Computing Curricula consisting of the Institute for Electrical and Electronics Engineers (IEEE) Computer Society, and the Association for Computing Machinery (ACM).
The reason for replacing CS 341 by CS 310 is that CS 341 consists of topics that are covered
in much greater detail in the following required engineering courses: ENGIN 241 - Digital Systems with Lab, ENGIN 346 - Microcontrollers, and ENGIN 446 - Computer Architecture Design. CS 310 introduces students to a systematic study of algorithm design and analysis, advanced program development and organization, and data structures; an important knowledge-base that is needed for several Senior-level classes in CE. These modifications have become necessary as we have introduced three newly-developed required courses and fine-tuned the curriculum around them.

3. Dean's announcements
4. Other business.
5. Adjourn.