Minutes -- CSM Senate Meeting

Date: Monday, May 12th, 2014  
Time: 2:30pm - 4:00pm  
Location: CSM Dean's Office Conference Room

Members in attendance:  
Catalin Zara, Mathematics, Chair  
Chandra Yelleswarapu, Physics, Secretary  
Manickam Sugumaran, Biology  
Bob Wilson, Computer Science  
Michelle Foster, Chemistry  
Juanita Urban-Rich, School for the Environment

Member absent:  
Robert Stevenson, Biology

Others in attendance:  
Marietta Schwartz, Associate Dean, CSM

Meeting was called to order at 2:37 pm.

1. Approval of the April 14, 2014 meeting minutes.  
The motion to approve the April 14, 2014 meeting minutes was seconded and approved unanimously.

2. Announcements.

- CSM Faculty senate materials are available at csmsenate.math.umb.edu  
- Updates on previous actions:  
  - Following AAC recommendations, EEOS 281, 305, 372, 383, and CS 438 have been approved by the CSM Senate and the CSM Dean's Office, and have been sent to the Provost's Office.  
  - Following MHSP recommendations, the proposed changes to ENGIN CE and EE curricula have been approved by CSM Senate and the CSM Dean's Office, and have been sent to the Provost's Office.  
  - A revised version of the BIOL 627 proposal, implementing the CSM Senate recommendations, has been received. The proposal has been approved by the CSM Dean's Office and has been sent to the Graduate Studies Committee.

3. New business:

**Motion:** To pre-approve EEOS 488 - Advanced Marine Geographic Information Systems.  
**Rationale:** Extending geospatial courses to include marine focused course taught by a
researcher at New England Aquarium. This course is the result of our affiliation with NEAq and will support advanced undergraduate and graduate programs in the environmental sciences, marine sciences, and urban planning.

The motion to pre-approve EEOS 488 was seconded and unanimously approved by the Senate. The proposal will be sent to the Academic Affairs Committee.

3b. **Addition of EEOS 688 - Advanced Marine Geographic Information Systems.**

**Motion:** To approve EEOS 688 - Advanced Marine Geographic Information Systems.

**Rationale:** Extending geospatial courses to include marine focused course taught by a researcher at New England Aquarium. This course is the result of our affiliation with NEAq and will support advanced undergraduate and graduate programs in the environmental sciences, marine sciences, and urban planning.

The motion to approve EEOS 688 was seconded and approved unanimously. Pending approval from the CSM Dean's Office, the proposal will be sent to the Graduate Studies Committee of the Faculty Council.

3c01. **Revision of ENGIN 202 - Statics. Change in prerequisites.**

**Motion:** To approve change in prerequisites for ENGIN 202.

**Rationale:** The old pre-req was "Engin students only." The new pre-req of PHYSIC 113 will allow students who are interested in Mechanical or Civil Engineering and who have not declared as Engineering major take this course.

The motion to pre-approve changes in pre-requisites for ENGIN 202 was seconded and unanimously approved by the Senate. The proposal will be sent to the Academic Affairs Committee.

3c02. **Revision of ENGIN 231 - Circuit Analysis I. Change in pre-requisites.**

**Motion:** To approve change in prerequisites for ENGIN 231.

**Rationale:** The old co-req of Engin 271 was a typo. The new pre-req or co-req of Engin 211L (Engineering Mathematics) makes sense since it was recently added to introduce or review math tools that are specifically applied to the topics presented in Engin 231 and other engineering courses. Alternatively students who co-enroll in Math 310 also have the needed math for this class.

Senate recommendation: the prerequisites should be listed as pre- or co- Engin 211L or co-Math 310. The motion to pre-approve the changes in pre-requisites of ENGIN 231 was conditionally pre-approved pending suggested changes. The modified proposal will then be sent to the Academic Affairs Committee.

3c03. **Revision of ENGIN 241 - Digital Systems with Lab. Change in pre-requisites.**

**Motion:** To approve change in prerequisites for ENGIN 241 - Digital Systems with Lab.

**Rationale:** The old pre-req was Engin 231. The new pre-req is Engin 231 or permission of instructor.

The motion to pre-approve the changes in pre-requisites of ENGIN 241 was seconded and unanimously approved by the Senate. The proposal will be sent to the Academic Affairs Committee.
3c04. **Revision of ENGIN 272 - Circuit Lab II. Change in pre-requisites.**

**Motion:** To approve change in prerequisites for ENGIN 272 - Circuit Lab II.

**Rationale:** The old pre-req of Engin 232 (Circuit Analysis II) was a typo. The new co-req of Engin 232 makes sense since it the lab is to be taken at the same time with the lecture, not after.

   The motion to pre-approve the changes in pre-requisites for ENGIN 272 was seconded and unanimously approved by the Senate. The proposal will be sent to the Academic Affairs Committee.

3c05. **Revision of ENGIN 280 - Ethics and Impacts of Engineering. Change in pre-requisites.**

**Motion:** To approve change in prerequisites for ENGIN 280 - Ethics and Impacts of Engineering.

**Rationale:** The old pre-req was Engin 103 (Intro to Engineering). Since Engin 104 (Intro to ECE) was recently added, either course can serve as the pre-req for Engin 280.

   The motion to pre-approve the changes in pre-requisites for ENGIN 280 was seconded and unanimously approved by the Senate. The proposal will be sent to the Academic Affairs Committee.

3c06. **Revision of ENGIN 321 - Signals and Systems. Change in pre-requisites.**

**Motion:** To approve change in prerequisites for ENGIN 321 - Signals and Systems.

**Rationale:** The old pre-req was Engin 232 and Math 140. Upgrading the pre-reqs to Engin 232 and Math 242 for a more suitable math background coming into this class.

   The motion to pre-approve the changes in pre-requisites for ENGIN 321 was seconded and unanimously approved by the Senate. The proposal will be sent to the Academic Affairs Committee.

3c07. **Revision of ENGIN 331 - Fields and Waves. Change in pre-requisites.**

**Motion:** To approve change in prerequisites for ENGIN 331 - Fields and Waves.

**Rationale:** Old pre-reqs were Physic 114, Physic 182, Engin 232, and Math 242. We are dropping Physic 182 and Engin 232 as unnecessary but adding Math 310 to make sure students have a strong background in differential equations for this class. New pre-reqs: Physic 114 and Math 242 and Math 310.

   The motion to pre-approve the changes in prerequisites for ENGIN 331 was seconded and unanimously approved by the Senate. The proposal will be sent to the Academic Affairs Committee.

3c08. **Revision of ENGIN 365 - Electronics I with Lab. Change in pre-requisites.**

**Motion:** To approve change in prerequisites for ENGIN 365 - Electronics I with Lab.

**Rationale:** Old pre-reqs were Physic 114, Engin 232, and Math 241 or Math 310. Math 241 was a typo, the change reflects this correction and Physic 114 and Math 310 not necessary and so are dropped. New pre-reqs: Engin 232 and Math 242.

   The motion to pre-approve the changes in pre-requisites for ENGIN 365 was seconded and unanimously approved by the Senate. The proposal will be sent to the Academic Affairs Committee.

3c09. **Revision of ENGIN 491 - Senior Design Project I. Change in pre-requisites.**
Motion: To approve change in prerequisites for ENGIN 491 - Senior Design Project I.
Rationale: Old pre-req was "none". New Pre-req is "Permission of Instructor," as student and instructor need to agree on a project and plan.

The motion to pre-approve the changes in pre-requisites for ENGIN 491 was seconded and unanimously approved by the Senate. The proposal will be sent to the Academic Affairs Committee.

3c10. Revision of ENGIN 492 - Senior Design Project II. Change in pre-requisites.
Motion: To approve change in prerequisites for ENGIN 492 - Senior Design Project II.
Rationale: Old pre-req was "none". New Pre-req is Engin 491 Senior Design Project I.

The motion to pre-approve the changes in prerequisites for ENGIN 492 was seconded and unanimously approved by the Senate. The proposal will be sent to the Academic Affairs Committee.

Motion: To approve change in pre-requisites for PHYSIC 362 - Computational Science.
Rationale: Students who passed the algebra-based physics course, Physics 107, are eligible to take this class. We are removing that possibility as experience with use of calculus in physical contexts appears to be necessary for successful completion of the class.

Our experience has been that students who have not seen the use of calculus in physics contexts do not succeed in this class. This is why we are restricting this class to students who have both taken calculus and calculus-based physics. The instructor retains the discretionary ability to account for exceptional cases.

The motion to pre-approve the changes in pre-requisites for PHYSIC 362 was seconded and unanimously approved by the Senate. The proposal will be sent to the Academic Affairs Committee.

Items 3e01- 3e11 were considered together.

3e01. Cross-listing of CRSCAD 501L - Social Vulnerability to Disaster, as UPCD 601L.
Motion: To approve Cross-listing of CRSCAD 501L - Social Vulnerability to Disaster, as UPCD 601L.
Rationale: Cross-listing course to serve new MS program in Urban Planning and Community Development.

3e02. Cross-listing of CRSCAD 502L - Climate Change, Global Food, and Water Resources, as UPCD 602L.
Motion: To approve cross-listing of CRSCAD 502L - Climate Change, Global Food, and Water Resources, as UPCD 602L.
Rationale: Cross-listing course to serve new MS program in Urban Planning and Community Development.

3e03. Cross-listing of CRSCAD 503L - Topics in Rebuilding Sustainable Communities after Disasters, as UPCD 603L.
Motion: To approve cross-listing of CRSCAD 503L - Topics in Rebuilding Sustainable Communities after Disasters, as UPCD 603L.
Rationale: Cross-listing course to serve new MS program in Urban Planning and Community
Development.

3e04. **Cross-listing of CRSCAD 521L - Human Dignity, Human Rights and Sustainable Post-Disaster Reconstruction, as UPCD 621L.**

**Motion:** To approve cross-listing of CRSCAD 521L - Human Dignity, Human Rights and Sustainable Post-Disaster Reconstruction, as UPCD 621L.

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

3e05. **Cross-listing of CRSCAD 524L - Survival Skills for the 21st Century: Developing Personal, Organizational & Community Resilience Skills, as UPCD 624L.**

**Motion:** To approve cross-listing of CRSCAD 524L - Survival Skills for the 21st Century: Developing Personal, Organizational & Community Resilience Skills, as UPCD 624L.

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

3e06. **Cross-listing of CRSCAD 543L - The Political Economy of International Migration, as UPCD 643L.**

**Motion:** To approve cross-listing of CRSCAD 543L - The Political Economy of International Migration, as UPCD 643L.

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

3e07. **Cross-listing of MBAMGT 671L- Intro to Environmental Management, as UPCD 671L.**

**Motion:** To approve cross-listing of MBAMGT 671L- Intro to Environmental Management, as UPCD 671L.

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

3e08. **Cross-listing of MBAMAGT 684L - Social Enterprise, as UPCD 684L.**

**Motion:** To approve cross-listing of MBAMAGT 684L - Social Enterprise, as UPCD 684L.

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

3e09. **Cross-listing of MBAMGT 687L - Nonprofit Management, as UPCD 687L.**

**Motion:** To approve cross-listing of MBAMGT 687L - Nonprofit Management, as UPCD 687L.

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

3e10. **Cross-listing of ECON 610 - Political Economy, as UPCD 610L.**

**Motion:** To approve cross-listing of ECON 610 - Political Economy, as UPCD 610L.

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

3e11. **Cross-listing of PPOL-G 746 - Geographic Information Systems for Public Policy, as UPCD 746L.**

**Motion:** To approve cross-listing of PPOL-G 746 - Geographic Information Systems for Public Policy, as UPCD 746L.
**Rationale:** Cross-listing course to serve new MS program in Urban Planning and Community Development.

The motion to approve the cross-listings of the above courses as UCPD 601L, 602L, 603L, 621L, 624L, 643L, 671L, 684L, 687L, 610L, and 746L was seconded and approved unanimously. Pending approval from the CSM Dean's Office, the proposals will be sent to the Graduate Studies Committee of the Faculty Council.

3f1. **Minor changes to course descriptions for several CHEM courses: 311, 312, 313, 314, 351, 361, 369, 370, 371, 379.**

**Motion:** To approve minor changes to course descriptions for several CHEM courses.

**Rationale:** The course descriptions include inaccurate information about scheduling, such as "Course offered in the fall only" or "Course offered in the spring only".

3f2. **Minor changes to course descriptions for several MATH courses: 140, 145, 354, 358, and 458.**

**Motion:** To approve minor changes to course descriptions for several MATH courses.

**Rationale:** The course descriptions include inaccurate information about scheduling, such as "This course is normally offered every third semester, in rotation with ..." For MATH 140/145, outdated references to Placement Test C are eliminated.

4. **Dean's announcements**

Marietta Schwartz, Associate Dean: The new math online placement test started on May 1, 2014 and has been working without glitches. So far 135 incoming students completed the test; several utilized the learning component of the system to improve their scores.

5. **Other business.**

- Several members of the CSM Senate (Stevenson, Urban-Rich, Wilson, Zara) are completing the second year of their term. Their departments should re-appoint these members or appoint new representatives before the September 2014 CSM Senate meeting.
- The CSM is encouraged to increase its representation on the joint CLA/CSM committees (AAC, MHSP).

6. **Adjourn.**

Motion to adjourn was seconded and approved unanimously. The meeting was adjourned at 3:45 pm.