

## COUNCIL ON EDUCATIONAL POLICY

Meeting Minutes: May 10, 2016

3:30 PM, Loew 355

Members present: Jennifer Turns, Chair (HCDE); Bob Breidenthal (AA); Chris Neils (BioE); Brad Holt (ChemE); Mike Dodd (CEE); Hal Perkins (CSE); John Sahr (EE); Shan Liu (ISE); Mark Ganter (ME); Jihui Yang (MSE); Jennifer Tsai (ISE Advisor); Brian Fabien (Associate Dean for Academic Affairs); Colin Butler (Undergrad Student Rep); Dan Feetham (Ex Officio, Academic Affairs); Scott Winter (Ex Officio, Academic Affairs)

Members absent:

Guests: Sandra Maddox (MSE)

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**Minutes** - The April 26, 2016 meeting minutes were reviewed and approved.

### **Course Applications**

- *CSE 373 Data Structures and Algorithms* – Course change application. Increase from 3 credits to 4 credits to accommodate the addition of a quiz section. **Approved.**
- *EE 499 Undergraduate Research and Special Projects*– Course change application. Change credit range from 2-5, max 10 to 1-5, max 10. **Approved.**
- *CHEM E 456 Quantum Mechanics for Chemical Engineers* – New course application. **Approved**
- *CHEM E 460 Polymer Chemistry Laboratory* – New course application. **Approved**

**The following three CHEM E course applications were approved.** It was noted that signatures from the joint departments needed to be obtained. The respective CEP members signed on behalf of their departments.

- *CHEM E 476/576 Intro to Synthetic Biology* – New course application for joint status with EE 423/523, BIOEN 423/523, CSE 486/586.
- *CHEM E 477/577 Advanced Systems and Synthetic Biology* - New course application for joint status with EE 424/524, BIOEN 424/524, CSE 487/587.
- *CHEM E 478 Lab Methods in Synthetic Biology* - New course application for joint status with EE 425, BIOEN 425, CSE 488.

**The following three MSE courses, MSE 311, 312, & 313, were approved** on the condition that the learning objectives be rewritten into an action oriented format.

- *MSE 311 Integrated Undergraduate Laboratory I* – Course change application. Title and description change. Add W designation.
- *MSE 312 Integrated Undergraduate Laboratory II* – Course change application. Title and description change. Add W designation.
- *MSE 313 Integrated Undergraduate Laboratory III* – Course change application. Title and description change. Add W designation.

**The following four MSE courses, MSE 462, 463, 473, and 475, were approved.** There was a request for AA and ME sign-off on MSE 475. It was questioned if all the prerequisites listed in MSE 473 were required. The prerequisites will be checked for redundancy.

- *MSE 462 Mechanical Behavior of Materials II* – Course change application. Change course description and number of credits from 4 cr to 3 cr.
  - *MSE 463 Corrosion and Wear of Materials* – Course change application. Change from 4 cr to 3 cr.
  - *MSE 473 Noncrystalline State* – Course change application. Change from 4 cr to 3 cr and change prerequisites.
  - *MSE 475 Introduction to Composite Materials* - Course change application. Change from 4 cr to 3 cr.
- *MSE 476/576 Introduction to Optoelectronic Materials* – New course application. **Approved.** It was suggested the “MAT” be used as an abbreviation for “Materials” in the abbreviated title. There was also some discussion about the use of “Introduction to” in the title of a 400-level course.

### Old Business

- **Update on B.S. Environmental Engineering Proposal** - Mike Dodd reported that the FCAS Subcommittee on Admission & Programs (SCAP) has reviewed the proposal and provided feedback. CEE faculty members are working on a response to the SCAP comments. The most concerning issue is feedback that indicated the program would not be able to have a competitive admission process. Rationale for having a competitive admission process is being developed.
- **SCAP Comments on College Direct-to-College Proposal** – Comments from SCAP were distributed with the meeting materials. The comments fell into 3 categories – 1). Clearer articulation of core requirements for Engineering Undeclared students with a request for a common core; 2). Concern about and reluctance to approve a 2.50 GPA requirement for continuation and placement as well as 2.0 grade requirements in specific courses; and 3). Suggested changes in language and terminology used in the proposal. There was discussion about possible data that will support a 2.50 GPA requirement. Data on direct freshman admits (DFA) will be reviewed to see if there are significant numbers of DFA students who performed below 2.50 in the prerequisite math and science courses. There was acknowledgement that if compelling data to support a 2.50 GPA requirement is not available, dropping the requirement to a 2.00 GPA may be necessary.

Regarding terminology suggestions from SCAP, CEP members preferred using the term “placement” when describing the process of Engineering Undeclared moving into engineering majors. SCAP suggested changing “placement” to “admission.”

### New Business

- The ten departmental direct-to-College 1503 forms were reviewed and discussed. **All ten proposals were approved.**