

COUNCIL ON EDUCATIONAL POLICY

Meeting Minutes: March 7, 2017

3:30 PM, Loew 355

Members present: Jennifer Turns, Chair (HCDE); Raymond Golingo (AA); Joe Wartman (CEE); Brad Holt (ChemE); Shan Liu (ISE); Jennifer Tsai (ISE Advisor); Dwayne Arola (MSE); Brian Fabien (Associate Dean for Academic Affairs); Scott Winter (Ex Officio, Academic Affairs)

Members absent: Chris Neils (BioE); Ruth Anderson (CSE); John Sahr (EE); Mark Gantner (ME); Ryan Carlin (MSE student)

Guests: Daniel Ratner (BioE faculty); Joe Mahoney (CEE faculty); Tim Larson (CEE faculty); Haeda Yasui (CEE).

Construction, Energy, and Sustainable Infrastructure (CESI) - New Course Applications

Joe Mahoney and Tim Larson provided an overview of the 16 new courses developed to support the CESI specialty area within the Master of Science in Civil Engineering program. The new pathway will be available beginning autumn 2018. There was some general discussion about the courses. **The following 16 new course applications were approved on the condition that letters of support be obtained from EE and ME:**

- *CESI 501 Distributed Renewable Power Systems (3)*
- *CESI 502 Geomatics in Energy Projects (3)*
- *CESI 503 Operation of a Power Plant (3)*
- *CESI 504 Buildings, LEED, and Energy Use (3)*
- *CESI 505 Air Pollution Control and Occupational Safety and Health (3)*
- *CESI 506 Site Remediation, Hazardous Waste Management, On-Site Water Treatment (3)*
- *CESI 510 Electric Grids (1)*
- *CESI 511 Grid Integration of Variable Sources of Generation (1)*
- *CESI 512 Regulating Electric Utilities (1)*
- *CESI 513 Operation and Maintenance of a Wind Farm (1)*
- *CESI 514 Hydroelectric Project Relicensing (1)*
- *CESI 519 Trends and Applications in E-Construction (1)*
- *CESI 520 Electricity Fundamentals (1)*
- *CESI 521 Introduction to AutoCAD and Bluebeam (1)*
- *CESI 522 Introduction to AutoTURN (1)*
- *CESI 524 Statistical Methods for Construction (1)*

CHEM E 545 Data Science Methods for Clean Energy Research and CHEM E 546 Software Engineering for Data Scientists – New Course Applications

These course applications were reviewed and tabled at the February 21 meeting. Brad Holt assured the committee that all the changes requested by CSE had been made. Additionally, the catalog descriptions for both courses and the learning objectives for CHEM E 545 were updated as requested at the February 21 meeting. **The course applications were approved.**

New EE P Course Prefix

The request from the EE department for this new course prefix was considered at the February 21 meeting. It was suggested that a different prefix be considered to avoid confusion with the Robinson Center Early Entrance Program (EEP). The department considered the situation and

decided to maintain the request for the EE P course prefix. The new prefix will be used for courses that are most appropriate for practicing engineers. The new prefix will also provide more options for new E E prefix courses. **The proposal for the new course prefix was approved.**

Bioengineering Program Change and Course Applications

Daniel Ratner provided an overview of changes the Bioengineering department is making to the undergraduate program capstone design requirement. The proposed changes include the removal of research as a required element for all BioE undergraduates, and they provide more flexibility for students doing the non-research capstone design pathway. The program change requires the creation of a new course, BIOEN 400, and changes to the existing course BIOEN 401 and 405. It was noted that the course change application for BIOEN 401 did not clearly indicate the proposed credit change. This information was added to the proposal. **The following program change and course applications were approved:**

- *Bioengineering 1503 proposal restructuring the undergraduate program capstone design requirement.*
- *BIOEN 400 Fundamentals of Bioengineering Design – New Course Application*
- *BIOEN 401 Bioengineering Capstone Proposal – Course Change Application. New course title and reduction to 1 credit.*
- *BIOEN 405 Bioengineering Team Design II – Course Change Application. Increasing from 3 to 4 credits.*

Old Business

- There was general discussion around the process and timing of approvals of the Direct-to-College admission proposal.

New Business

- *None*