

COUNCIL ON EDUCATIONAL POLICY

Meeting Minutes: October 7, 2014

3:30-5:00 PM, 355 Loew

Members present: Jennifer Turns, Chair (HCDE); Bob Breidenthal (AA); Chris Neils (BioE); Brad Holt (ChemE); Mike Dodd (CEE); Hal Perkins (CSE); Tom Furness (ISE); Mark Ganter (ME); Jihui Yang (MSE); Eve Riskin (Assoc. Dean); Josh Lee (BioE Advisor); Scott Winter (Ex officio).

Members absent: Alex Mamishev (EE)

Guest: Ed Connery (AA)

The June 3, 2014 minutes were reviewed and approved.

It was noted that a CEP subcommittee considered 2 academic misconduct cases during the summer. The subcommittee findings were forwarded to Associate Dean Eve Riskin in August.

Jennifer Turns led a brief discussion around the CEP Mission/Function/Horizon. The Committee bylaws were reviewed followed by some discussion of possible strategies for effective Committee function. Several major topics on the horizon for CEP were discussed. Potential changes to the College/department admission processes was highlighted as an important topic for the upcoming year.

Curriculum

New Courses

Ed Connery presented proposals for 16 new Aerospace Engineering (AE) courses. The courses are associated exclusively with the Master of Aerospace Engineering degree, an application-focused professional degree. The courses are based on the same underlying material in existing AA courses, but are modified to reflect the applied nature of the AE curriculum. The new courses were approved unanimously.

- AE 510 Linear Control
- AE 511 Classical Control Theory
- AE 512 Dynamics, Stability, and Control
- AE 519 Special Topics in Controls

- AE 520 Introduction to Fluid Dynamics
- AE 523 Aircraft Noise
- AE 529 Special Topics in Fluids

- AE 532 Rocket Propulsion
- AE 539 Special Topics in Propulsion/Plasma/Power

- AE 540 Mechanics of Solids
- AE 541 Finite Element Analysis
- AE 542 Fatigue & Fracture
- AE 549 Special Topics in Structures

- AE 550 Mechanics of Composites
- AE 553 Advanced Composite Structural Analysis
- AE 559 Special Topics in Composites

CEE 422 Energy and Transportation – The course application was reviewed. Given that Chemical Engineering, Electrical Engineering, and Mechanical Engineering all have courses with energy focus, the course application was tabled until signatures are obtained by these departments.

CSE 507 Computer-Aided Reasoning for Software – Approved unanimously.

Course Changes

Chris Neils and Josh Lee provided background on the following BIOEN course change proposals. The increase to 4 credits in three of the courses results from adding a required quiz session to the courses. The changes were approved unanimously.

- BIOEN 316 Biomedical Signals and Sensors – Change from 3 cr to 4 cr
- BIOEN 325 Biotransport I – Change from 3 cr to 4 cr and drop BIOL 220 as prereq
- BIOEN 326 Solid and Gel Mechanics– Change from 3 cr to 4 cr
- BIOEN 345 Failure Analysis and Human Physiology – Add BIOL 220 as prereq

CEE 409/509 Engineering Rome – Proposal to change course credits from [1,4], max 5 to 5 credits. CEE 409/509 is an Exploration Seminar that had a 1 credit component in the spring along with the 4 credit study abroad component which occurs in the late summer. The Study Abroad office requested a consolidation of the credits into a single course of 5 credits. The proposal consolidates the credits but the justification specified a required non-credit component in the spring. Concerns were raised about the required non-credit bearing spring component. The change was tabled in order for the department to address these concerns.

CEE 441 Transportation and Construction Capstone Design Project – Title change and increase in credits from 4 cr to 5 cr. Approved unanimously.

ENGR 401 Leadership Development to promote Equity in Engineering Relationships – Add I&S designation. Approved unanimously.

New Business

Input from the Council was solicited on a request to Dean Bragg from the Bioengineering department chair for termination of the Master of Medical Engineering program. While there was general support for a motion in support of initiating the RCEP process, the Council requested that the details of a vote of the Bioengineering faculty on the proposed elimination be included in the request from the department chair. There was also discussion around providing justification for a “Limited RCEP” process.

Future Items

- Follow-up on Designing Effective Figures course
- Coordination of entrepreneurship courses within CoE
- Revisit oversight of engineering service courses (engineering fundamentals courses)

Autumn 2014 Meetings

- October 7, October 21, November 4, November 18, and December 2 from 3:30 – 5:00 pm in room 355 Loew.