

COUNCIL ON EDUCATIONAL POLICY
Meeting Minutes: November 7, 2017
3:30 PM, Loew 355

Members present: Brian Fabien (Associate Dean, Academic Affairs); John Sahr, Chair (EE); Rene Overney (ChemE); Mike Dodd (CEE); Jennifer Turns (HCDE); Shan Liu (ISE); Sandra Maddox, substitute (MSE); Sawyer Fuller (ME); Jennifer Tsai (ISE Advisor); Ruth Anderson (CSE)

Members absent: Antonino Ferrante (AA); Valerie Daggett (BioE)

Guests: Chris Crawford, Eve Riskin, Sonya Cunningham (STARS); Bill Keough (CEE, SCTL); Corie Cobb (ME); Scott Winter (Academic Affairs); Mike Engh (Academic Affairs); Priscilla Yoon (Academic Affairs)

Review of Minutes

- ✓ October 17, 2017 – **APPROVED**
 - 1 abstain

Courses

- ✓ *SCTL Distance-learning course 3-year renewal* - **APPROVED**
 - Distance learning program for working professionals in transportation and supply chain management field aimed to allow students to gain end-to-end experience for career advancement. Each course requires students to attend live virtual session every week. Students must complete individual and group projects, pre-recorded lectures, and timed exams. Courses submitted for the 3-year DL renewal are SCTL 502, 503, 504, and 505.
 - The council was interested in the lessons learned from the past 3 years. Changes include implementation of a video feed into the virtual class time to better interact with students. This resulted in higher level of engagement and participation. The average cohort size is 30-32 students. The main concern in the DL format for the council remained to be the monitoring of academic integrity during online exams. However, the exam prompts are application-based and strictly timed, which makes the chance of cheating or plagiarism highly unlikely.
- ✓ Prefix changes granted to approve without discussion in the CEP – **APPROVED**

Programs

- ✓ *The STARS Program 1503* – **APPROVED**
 - The STARS redshirt program received funding in 2013 through NSF and follow-on funding in 2016 from several other sources. The STARS application process is coordinated with the UW admissions process. Students complete an additional application and interview process. This program builds a custom curriculum for each cohort and takes into

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account department placement in its acceptance of students. So far, the program has shown a 79% retention rate in Engineering and CS. Going forward, STARS expects to continue to accept 25-30 students per year with the exception of cohort 6 which will accept 51 student due to funding.

- This proposal will allow the STARS program to become an official admissions pathway into engineering majors. FCAS is requiring the program to submit a 1503 now that it is in its 5th cycle of the program.
 - The council expressed concern around how STARS admissions and placement would work/change with the implementation of DTC. Sonya and Eve clarified that DTC process would be in alignment with DTC. STARS will target applicants who are not accepted into the DTC cohort. However, an applicant accepted to DTC is allowed to apply to STARS as long as they meet the criteria. If accepted into STARS, the student would be subject to the STARS program requirements. The STARS department placement process will be independent from DTC. The STARS advisors work closely with students in this process.
 - The council also expressed concern regarding the communication plan and potential confusion for students admitted into the university. STARS is currently working with central admissions to create an appropriate communications strategy and expect the STARS invitation letter to be mailed concurrently with admissions letters.

✓ *HCDE Data Science Option* - **APPROVED**

- The purpose for adding the Data Science option is to be consistent with other data science options across the university. Therefore, HCDE students will now have access to courses to complete this option.

Old Business

- *Direct-To-College Working Group Update*
 - Robinson proposal is an outcome of the DTC working group (see New Business)

New Business

✓ *Proposed admission to major policy for Robinson Center students in DTC framework - Robinson Center students who have completed the University College Academic Distribution Requirements (CADRs) may request placement into an engineering major through the same process and subject to the same course and grade requirements as Engineering Undeclared students. APPROVED*

- Robinson Center students participate in one of two programs. The Early Entrance Program (EEP) accepts students who must have completed the 7th or 8th grade. The EEP admits approximately 16 students per year. The UW Academy accepts students after completion of 10th grade. The UW Academy accepts approximately 35 students per year. The projected number of Robinson Center students entering engineering programs is projected to be 5 to 10 per year. The council discussed whether these students would be considered DTC within the college or a separate pool of students.

November 7, 2017 - College of Engineering Council on Educational Policy Meeting, Course Applications

Course	Type	Submit Date	Title	Notes	CEP Status
A A 441	Modify	10/3/2017	Flight Test Engineering	10/31/17 – Revised course description	APPROVED
A A 448	Modify	10/3/2017	Control Systems Sensors and Actuators	10/31/17 – Revised course description 11/7/17 – Request AA to elaborate on what is currently being taught in regards to hours Request to update the table	APPROVED under the condition with clarification from AA
CEE 465	New	10/17/2017	Data Analysis in Water Sciences	11/7/17 - Undergraduate sections in correspondence with graduate courses offered.	APPROVED
CEE 478	New	10/17/2017	Water Systems Management and Operations	11/7/17 - Undergraduate sections in correspondence with graduate courses offered.	APPROVED
CSE 416	Modify	10/13/2017	Introduction to Machine Learning	10/31/17 – Adding STAT 391 as acceptable prerequisite	APPROVED
HCDE 412	New	6/13/2017	Qualitative Research Methods	11/7/17 – iSchool has signed off on course.	APPROVED
HCDE 495	Modify	9/26/2017	Internship	10/31/17 – Revised title and course description.	APPROVED
M E 516	New	10/24/2017	Advanced Manufacturing and Energy Technologies	11/7/17 – Manufacturing course with a focus on the application aspect technologies. Course first offered Spring 2017. Ph.D and Continuum students.	APPROVED
M E 574	New	10/30/2017	Introduction to Applied Parallel Computing for Engineers	11/7/17 – alternative to ME 535.	APPROVED
M E 598	Modify	6/28/2017	Graduate Projects	10/31/17 – Revised course description, prerequisite, and max credits. 11/7/17 – Programmatic change. ME wants Masters students to complete projects as part of degree completion and distinguish between project-based vs. special topics.	APPROVED – with understanding syllabus will need to be submitted.

M E 599	Modify	9/20/2017	Special Topics	10/31/17 – Revised course description, prerequisite, and max credit limit. 11/7/17 – Programmatic change. Distinguish special topics vs. project-based courses.	APPROVED - with understanding syllabus will need to be attached.
CESG 503	New	10/11/2017	Advanced Structural Analysis I	10/31/17 – Parallel with CEE 457 11/7/17 – Undergraduate sections in correspondence with graduate courses offered.	APPROVED
CESG 522	New	10/11/2017	Analysis and Design of Prestressed Concrete	11/7/17 – Undergraduate sections in correspondence with graduate courses offered.	APPROVED
CESG 563	New	10/11/2017	Advanced Foundation Design	11/7/17 – Undergraduate sections in correspondence with graduate courses offered.	APPROVED
CESG 564	New	10/11/2017	Computational Geomechanics	11/7/17 – Undergraduate sections in correspondence with graduate courses offered.	APPROVED
CET 512	New	10/11/2017	Transportation Data Management	10/31/17 – Special Topics conversion	APPROVED
CET 593	New	10/11/2017	Transportation System Analysis	10/31/17 – Special Topics conversion	APPROVED
CET 594	New	10/17/17	Travel Survey Methods	10/31/17 – Special Topics conversion	APPROVED
CEWA 572	New	10/11/2017	Numerical Modeling of Hydrodynamics	10/31/17 – Special Topics conversion	APPROVED
CEWA 574	New	10/3/2017	Hydraulics of Sediment Transport	10/31/17 – Special Topics conversion	APPROVED
CEWA 577	New	10/11/2017	Open Channel Flow with Modeling	10/31/17 – Special Topics conversion	APPROVED
CEWA 579	New	10/11/2017	Quantitative Water Management	10/31/17 – Special Topics conversion	APPROVED
CEWA 582	New	10/11/2017	Wastewater Reuse and Resource Recovery	10/31/17 – Special Topics conversion	APPROVED