

College of Engineering Curriculum Committee
September 18, 2018 – 12:45-2:00 p.m., Driftmier 102

Attendees:

Voting Members:

Dr. James Kastner, CMB (Proxy for Dr. Handa)
Dr. Mable Fok, ECE
Dr. Bill Tollner, ECAM

Ex-officio members:

Dr. Ramaraja Ramasamy, Associate Dean for Academic Programs and Assessment
Dr. Larry Hornak, Associate Dean for Research
Dr. Sidney Thompson, School Chair, ECAM
Dr. Fred Beyette, School Chair, ECE
Julie Cook, Academic Manager
Margaret Sapp, Graduate Program Administrator

Guest:

Dr. Nathaniel Hunsu, ECE faculty
Dagmar Nelson, ECAM Academic Advisor

The College Curriculum Committee met September 18, 2018. Chairperson Dr. Bill Tollner called the meeting to order at 12:45 p.m. in Driftmier 102.

The Minutes of the August 28, 2018 meeting were approved.

Updates and Announcements:

- Julie Cook provided a written update of all CAPA submissions for the 2017-18 and current academic year. Due to changes being made in the CAPA IT system, the College is unable to submit any new proposals until such time as already submitted proposals are fully processed via CAPA (including the two approved proposals from the August meeting).
- Bill Tollner shared that the University Curriculum Committee has not met since the College Curriculum Committee meeting on August 28th.

The Committee reviewed the following course proposals:

- ECE Submissions
 - ENED 8XXX—Systematic Literature Reviews and Meta-Analyses. The proposal had been returned to the ECE Curriculum Committee following the August meeting. Suggestions to revise the course title and correct the pre-requisites to match the submitted syllabus were included in the

revised proposal considered by the Committee. Dr. Nathaniel Hunsu who authored this New Course Request provided details about the proposal and addressed questions raised. Following discussion, the Committee approved the New Course Proposal.

- CSEE 8XXX—Security in Cyber-Physical Systems—New Course Proposal—Dr. Fok who authored this application addressed questions from Committee members. Following discussion, the proposal was approved.
- ELEE 8XXX—Fiber Optic Sensors-New Course Proposal-- Dr. Fok who authored this application addressed questions from Committee members. Following discussion, the proposal was approved.
- ECAM submissions
 - CVLE 2710-Numerical Methods for Engineers-Course Change—Dr. Thompson provided rationale for the revisions requested for this course as well as the complimentary New Course request that follows.
 - CVLE 2710E-Numerical Methods for Engineers (online version)-New Course Proposal. Following discussion of both course proposals, both were approved in a single vote.
 - ENGR 8120-Bayesian Analysis in Engineering and Environmental Sciences—New Course Proposal—Following discussion regarding the proposal, the Committee voted to return the proposal to the School and initiating instructor for revision.
 - ENGR 8110-Machine Learning in Engineering and Environmental Sciences-New Course Proposal- Following discussion regarding the proposal, the Committee voted to return the proposal to the School and initiating instructor for revision.
- Old Business
 - ECAM--Multiple prerequisite updates and other course proposals that were held over from those submitted last spring term—see below:

• COURSE	UPDATE IN CAPA (PREREQUISITE OR PRE/COREQUISITE)
AENG 4911	Change prerequisite ENGR 4910 to AENG 4910
ENGR 2120	Add to pre- or corequisites: ENGR 1140
ENGR 2120E	Add to pre- or corequisites: ENGR 1140
ENGR 4350/6350	>CVLE/MCHE 4350/6350? No application in CAPA
ENVE 4410	Grad Level: ENVE 6430 (currently) Change to: ENVE 6410?
MCHE 4910	Add MCHE 3920 as a pre- or corequisite.
MCHE 4920	Remove MCHE 3920 as a pre- or corequisite.
MCHE 6390	Assign a different number; this is not the 6000-level of MCHE 4390
MCHE (CVLE) 8350	Change ENGR 4350/6350 to: (ENGR 4350/6350 or CVLE/MCHE 4350/6350) <i>if that prefix change is approved (see above)</i>

- The Committee reviewed and discussed each item before considering outcomes.
 - The following course changes were approved for submission as requested:
 - AENG 4911—Engineering Project Design II—Course Change—Update required prerequisite to ENGR 4910 or AENG 4910.
 - ENGR 2120-Engineering Statics-Course Change—update required prerequisite or co-requisite to ENGR 1140
 - ENGR 2120E-Engineering Statics (online version)—Course Change-- update required prerequisite or co-requisite to ENGR 1140
 - MCHE 4910-Capstone Design I—Course Change—update prerequisite or co-requisite to MCHE 3920 (approved, but cannot be processed until the current course change proposal for this course is completely processed in CAPA)
 - MCHE 4920-Mechanical Engineering Capstone Design II—course change—remove MCHE 3920 as a prerequisite or co-requisite.
 - The following courses require course change applications and were sent back to ECAM to provide the required paperwork for consideration:
 - ENGR 4350/6350—Introduction to Finite Element Analysis-prefix update to CVLE/MCHE 4350/6350
 - ENVE 4410-Open Channel Hydraulics and ENVE 6430-Advanced Open Channel Hydraulics—combine these courses into a cross listed 4xxx/6xxx offering and submit related course deletion request
 - MCHE 6390-Advanced Mechanical Vibrations-new course to create a dual level offering with new numbering to avoid confusion with current MCHE 4390 course. MCHE 6390 would be deleted and replaced by the new course
 - CVLE/MCHE 8350-Nonlinear Finite Element Analysis-course change to update prerequisite prefixes; cannot be submitted until updates for ENGR 4350/6350 are processed and approved by CAPA, thus action was deferred on this course.

- New Business

- Dr. Ramasamy requested that all School Curriculum Committee begin to share minutes of their respective meetings with the College Curriculum Committee members. It was agreed that the School Curriculum Committee Chairpersons would share the minutes with Dr. Ramasamy who would disseminate to the College Committee members.

Next meeting will be held on Tuesday, October 16, 2018 from 12:45-2:00 p.m. in Driftmier 102.

The meeting adjourned at 1:45 p.m.