

College of Engineering Curriculum Committee

February 12, 2020 – 10:30 a.m.-12:00 p.m., Coverdell 104

Attendees:

Voting Members:

Dr. James Kastner, CMB (*not present*)

Dr. Bill Tollner, ECAM (*chair*)

Dr. Mark Trudgen, ECE

Ex-officio members:

Dr. Sidney Thompson, School Chair, ECAM

Dr. Fred Beyette, School Chair, ECE

Dr. James Warnock, CMB (*voting for Dr. Kastner*)

Dr. Ramasamy, Associate Dean

Margaret Sapp, Graduate Program Administrator (*not present*)

Guests:

Ms. Dagmar Nelson, ECAM Academic Advisor

Mrs. Lauren Anglin, Director of experiential learning College of Engineering

Dr. Andrew Potter, Office of experiential learning

Ms. Kay Stanton, Office of experiential learning

Business:

The College Curriculum Committee met February 12, 2020. Chairman Bill Tollner called the meeting to order at 10:30 a.m. in Coverdell 104. The minutes are as follows.

1. Presentation from Experiential Learning Office
 - a. Contributions from Dr. Potter:
 - i. Background of experiential learning office.
 - ii. Internships discussion
 1. These decisions are managed at the college level.
 2. We are required from legal to create an MOU. Talk to legal if it is on a case-by-case program. No intellectual properties, just safety and security.
 3. Two models: 1) approved a macro catch all experiential learning program at the experiential learning level 2) Dept of geography building out a full internship program estimated to be finished end of Spring 2020 semester. This could be used as a viable model.
 - b. Ms. Stanton
 - i. Rundown on experiential learning. Started 2015 with administrators and faculty members, each college drives experiential learning, and it is

approved at college then university level, all S suffix and study abroad, each college can decide if it fulfills the requirement. We can approve courses and non-credit level on a case by case level.

1. 4910/4920 series courses – all approved for engineering.
2. Other various aspects.
 - ii. Students can apply up to \$2500 for help with internships.
 - iii. Fall a documents is included showing what has been done.

c. General discussion summarized:

- i. Experiential learning should be outward focused. Not inward focusing. Usage of language of experiential learning that connects the bridge to off campus.
- ii. Further clarification on outward focusing. The heart of this is that the student is working a client or corporation (real life situation). As opposed to verifying theories which is the focus of undergraduate laboratory work.
- iii. Feel free to reach out to the office for help in developing documentation.

2. Approval of minutes from January 17th

After summary of the minutes from last meeting by Chairman Tollner, Dr. Trudgen makes a motion to approve the minutes, the committee votes to approves the minutes.

3. Updates from participants:

Ms. Nelson presents the committee with updates relating to CAPA. It is resolved that an additional step exists requiring school chairs to login and approve after submission.

4. Ramasamy update on college issues

Dr. Ramasamy informs the committee that the Agricultural Systems engineering curriculum is awaiting approval at the university level.

5. Discussion L courses

Ms. Nelson and Chairman Toller present a discussion about courses with L designation (for laboratory). Chairman Tollner explains to the committee a discussion with Paree' at university systems. Through discussion with all attending members, it is ascertained that when designating a course with an L:

- A separate CRN is produced for the lab portion.
- The school chair has more flexibility in scheduling, but also has a higher administrative burden. Therefore, the L designation is not always advantageous.

- The lab CRN can be coupled with the course CRN to maintain consistent scheduling (i.e. keep the instructor with the lab).

Ms. Nelson presents existing courses that in process of approval.

The committee proposes to keep ECSE 2170L with the “L” designation and remove the “L” designation from the embedded systems course. Chairman Tollner asks for a motion, Dr. Trudgen proposes the aforementioned motion, and the committee approves.

6. Upcoming discussion of renaming the PhD in Biol. & Agr. Engineering degree

Chairman Tollner and Dr. Warnock inform the committee about the desired change summarized below:

- The CMB school faculty have already voted in support of changing PhD in Biol. & Agr. Engineering degree to PhD in Chemical and biological engineering.
- The CMB curriculum committee is proposing the change from the faculty input.
- CMB has determined that this title change would more adequately represent the research direction of the school.
- CMB faculty members are sensitive to the dismissal of Agricultural in the name and would be supportive of the ECAM school supporting a PhD in the future.

Dr. Trudgen and Dr. Beyette inform the committee:

- This news was disseminated in the ECE curriculum committee and no objections were raised. This news has not reach all ECE faculty.
- Dr. Beyette reminds the committee this is an important decision given that future approvals for new PhD programs require strong justifications.

Dr. Thompson informs the committee:

- ECAM curriculum committee has met to discuss this item.
- ECAM will have a faculty meeting next week and this topic will be presented therefore ECAM does not have a unified direction.

Chairman Toller summarizes the discussion stating that:

- Per Dean Leo all faculty members need to have a chance to have input.
- ECAM is directly affected and has not had faculty input.
- The committee recognizes that the numbers show the name change would adequately reflect numbers and trends seen in the department.
- Challenges exist. Currently the Agriculture systems engineering curriculum is in process. It is uncertain how coupled the undergrad program would be with the graduate program.

Chairman Tollner proposes the following resolution:

- Let ECE reach out to all members electronically, especially Dr. Charlie Li whose area of expertise is in this area and the results be disseminated.
- Let the results from the ECAM faculty meeting be disseminated.
- Next meeting revisit the topic.

Dr. Trudgen seconds the motion and committee votes to pass.

7. College Wide Experiential Learning Bundles

Engineering Blanket Internship Proposal

Engineering REU Proposal

Engineering R suffix and other related proposals

Dr. Warnock requests that we table the vote until next meeting ensure CMB has sufficiently inspected the documents. Dr. Trudgen makes a motion and the motion passes.

4. The Committee reviewed the following proposals submitted by the respective Schools.

- CMB Submissions:

MBB Curriculum

Chairman Tollner makes a motion to accept the MBB Curriculum and the motion passes.

- ECE Submissions - None

- ECAM submissions.

CAPA Revisions - MCHE 4000 prerequisite change

Chairman Tollner makes a motion to accept the revisions and the motion passes.

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New Course – CVLE 8XXX Advanced Pavement Systems

Dr. Trudgen makes a motion to accept the new course provided minor documentation improvements, and the motion passes.

5. Old Business

6. New Business

7. Announcements/Updates

- a. Upcoming meetings - 104 Coverdell, 3/18 and 4/15 from 10:30-12:00 noon)
- b. Other...

8. Motion for adjournment

Dr. Trudgen makes a motion to adjourn and the motion passes.