

## College of Engineering Curriculum Committee

### Agenda

November 30th, 2021 – 2:00 p.m.-3:30 p.m.

Attendees:

Voting Members:

Dr. Luke Mortenson, CMB

Dr. Ben Wagner, ECAM

Dr. Mark Haidekker, ECE

Ex-officio members:

Dr. Fred Beyette, School Chair, ECE

Dr. James Warnock, School Chair, CMB and Interim School Chair, ECAM

Dr. Ramasamy, Associate Dean

Margaret Sapp, Graduate Program Administrator

Ms. Dagmar Nelson, ECAM Academic Advisor

Mr. Luke Taylor, Academic Manager

#### 1. Lab Fees

##### **Instructions for Fall 2022, Spring 2023, and Summer 2023 (FY 2023)**

- Retain Approved Course/Lab Funding for Existing Course(s)

No further action is required.

- Request to Decrease or Remove Course/Lab Funding for Existing Course(s)

To request a decrease or remove existing course/lab materials funding for a class:

1. Complete the Form to Request to Decrease or Remove Course/Lab Funding for Existing Course
  - Form must have approval of the department head and dean
2. Submit completed form to Curriculum Systems in the Office of the Registrar at [capa@uga.edu](mailto:capa@uga.edu) by **Friday, July 22, 2022**

- Request Course/Lab Funding for Newly Approved Course(s)

To request course/lab materials funding for new courses approved effective fall 2020 or later:

1. Review Academic Affairs Policy 4.07-14 Lab/Supply Materials Funding
  - Includes the policy, costs that are eligible and not eligible for funding, and the process.

2. Complete the Form to Request for New Course/Lab Funding for each course

For each request, the following information will be required:

- Course ID
- Campus(es) on which the course will be taught
- Detailed justification of why funding is needed for the requested course
- Item(s), and their anticipated costs, for which funding is being requested
- Expected enrollment
- Department head and dean approval signatures

3. Submit completed form to Curriculum Systems in the Office of the Registrar at [capa@uga.edu](mailto:capa@uga.edu) by **Friday, July 22, 2022**

**2. BSME Curriculum Update**

- At the recommendation from ABET, Mechanical Engineering is adding an additional math/science course requirement to their curriculum to ensure a total of 30 hours of coursework related to those areas.
- A survey of faculty determined that ENGR 2090: Probability and Statistics and MATH 3300: Linear Algebra were most suited to meet the needs of the students.
- Dr. Beyette notes that in order to meet the needs of both ECE school and BSME students that it would be necessary for additional faculty to teach ENGR 2090.
- Committee approves the change to BSME curriculum

**3. New Course Proposal: MCHE 3120: Mechanical CAD and CAE**

- Name change and lecture designation determined.
- Discussion on permission of department requirement and decision made to retain
- Committee votes to approve the course

**4. New Course/Course Updates: CSEE 4790/6790 & BIOE 4790/6790: Applied Biomedical Instrumentation**

- Change of Prerequisites and Corequisites:  
Rationale for this modification: The goal was – and remains – to bring together students in teams with diverse background and preparation. The relatively rigid per-major prerequisites have become an obstacle, especially for BE students. At the same time, experience with this course and feedback from students indicate that the specific prerequisites are only of minor importance. Moreover, beginning Spring 2021, project proposals by the teams follow stricter guidelines that steers the projects in the direction of established “instrumentation classics”, such as ECG or EMG monitors, a blood pressure cuff, or a SpO2 monitor, to name a few examples. For these more established projects, knowledge from the original prerequisites is no longer fundamentally critical.

Prerequisite: ENGR 2170 or ECSE 2170/ECSE 2170H (Electric Circuits) or equivalent.

Co-requisite: One or more course from the following list:

- ELEE 4230 (Sensors and Transducers) --or--
  - ECSE 4230 (Embedded Systems) --or--
  - BIOE 3720 (Engineering Physiology) --or--
  - ELEE 4220 (Feedback Controls) --or--
  - Suitable alternative co-requisites for individual students via POM
- Approval of CSEE6790 for a split-level CSEE 4790/6790  
Recent years have shown demand for CSEE 6790, especially for Double Dawgs students.
  - Cross-listing as BIOE 4790/6790  
Following a specific request from the CMB School, the course change request includes cross-listing as BIOE 4790/6790.
  - Vote to approve the course recommendations as submitted by the committee

#### **5. Updates on Course/Program Deadlines for Next Academic Year**

- Agenda items must be submitted to the University Curriculum Committee by February 18th in order to be effective for fall 2022.
- Graduate proposals must be submitted to the Graduate School by January 19, 2022, to make this deadline.
- Committee will plan to meet and submit program/course proposals prior to this date.
- *Courses approved after this deadline will have to wait until the next fall term to be activated and available to schedule except in cases of extreme need.*

#### **6. Motion to Adjourn**

- Motion to adjourn approved.