ECE Curriculum Committee Meeting
Wednesday, November 30th, 2022

Attending: Arabshahi , Chen, Johnson, Kirschen, Makhsous, Moritz, Overly, Rudell, Suresh, Swanson, Sykes, Wilson

Consent Agenda:
1. Permanent Course Number for PMP Course EE P 565: PROPOSAL -**Approved**
2. Permanent Course Number for PMP Course EE P 566: PROPOSAL **Approved**
3. Permanent Course Number for PMP Course EE P 567: PROPOSAL **Approved**

Agenda:
1. Permanent course number for graduate section of EE 484 (Wilson) (MCD) [Moved from consent agenda]
2. Presentation and discussion of proposal for new project course (Wilson)(SLIDES)
3. Writing studio discussion for pilot of course (Wilson) – **Postponed for time**

Permanent course number for graduate section of EE 484 (Wilson)
(MCD)
Having run successfuly the previous few years as special graduate topics course, Wilson proposed the creation of a permanent new graduate course to run parallel with the undergraduate course EE 484: Sensor and Sensor Systems

- Wilson showed the revised MCD for the course.
  - Design project has been removed for undergrads in EE 484, but remains for the newly proposed graduate section, creating the necessary distinction between undergraduate and graduate expectations, while also reducing the workload in the course for undergraduates, which has been deemed necessary from review of previous offerings.
- Undergraduates may have the option to do a design project for additional credits. (See following agenda item for further discussion of this concept.)
- Course would center around a theme, chosen by the faculty member teaching each specific offering.
  - Will help to reduce the overwhelming amount of content while still providing the necessary concepts.

Motion to approve permanent joint course and number to run jointly with EE 484: Approved

Presentation and discussion of proposal for new undergraduate project course (Wilson)
(Slides)
With an aim of providing more hands-on experiences for ECE undergraduate students, Wilson presented a concept for a "project course" and asked for feedback to help develop the concept further with the goal being a future proposal for a permanent course and structure.

- See slides for concept details.

- Two options would be available:
  - Faculty could create a stand-alone offering, much like a special topics course, for which students could register.
  - Faculty could offer an "add on," or "supplemental," to an already established course they are teaching.
    - Students would need to take the original course to be eligible to register.
    - Would be a way of adding a hands-on component to any class, while also allowing students to get credit for the extra work.
  - Regarding the proposal of requiring students to have completed all core courses, Overly raised the concern that such a requirement would likely push the course into senior year, especially with the larger number of core courses required by the ne BSECE degree.
    - Kirschen suggested that instructors might be able to list prerequisites for their individual offerings.
    - The committee agreed that this issue would need further consideration.
  - Wilson plans to pilot the "supplemental" version alongside an EE 484 offering in the spring.
  - The committee generally agreed that the course as an add one was quite feasible, but there were concerns with issues in offering a course as a standalone.
    - If offered only for a couple credits, teaching support could be an issue.
      - One option is to create a "project course" course number and allow for flexible credits, much like a special topics course.
    - Prerequisites would be harder to determine and enforce.
    - Would need to be planned out at least a year in advance so it could be advertised to students well in advance and could be entered into students' future plans.
  - The committee was generally positive about the concept, especially as an add-on to standard official courses.

Wilson will work with the feedback provided and continue development of the course proposal.