

ECE Undergraduate Core Committee Meeting

Tuesday, December 3rd, 2024

Attending: Arabshahi, Chen, Dela Cruz, Kaushansky, Makhsous, Overly, Roy, Van Fossen

Not Attended: Swanson,

Minutes of Nov. 19th, 2024: Approved

Agenda:

1. Discussion of EE 398 changes to meet updated ABET requirements
2. Discussion of updates on recent revision of EE 280
3. Updates on adding EE 233 to Core course list

Discussion of EE 398: Introduction to Professional Issues changes to meet updated ABET requirements

Chen presented to the committee an updated ABET review change for Criteria 5 and 8 requirements for the BSEE and BSECE curricula and asked the committee to explore possible changes that might be made to EE 398 to reflect these requirements.

- The following updates were made to ABET requirements
 - Criteria 5 - *“content that ensures awareness of diversity, equity, and inclusion for professional practice consistent with the institution’s mission.”*
 - Criteria 8 - *“create and foster a respectful environment among the program’s students, faculty, staff, and administrators such that the student outcomes can be attained.”*
- The committee explored the idea of creating this as a mandatory course for all students
 - No consensus was reached
- Van Fossen raised the question of incorporating DEI into all the topics taught in EE 398 to approach the class as a whole.
- Overly raised the point that EE 398 is currently a 1 credit course, and that the committee could increase the credits allotted to 2 in order to add on the necessary additional content to satisfy the DEI requirements.
- **Overly, Arabshahi and Chen will reach out to faculty members that teach EE 398 to draft up a plan to update this course to satisfy ABET DEI requirements**

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Discussion of updates on recent revision of EE 280: Exploring Devices

Chen presented to the committee an updated version of the MCD for EE 280 to reflect changes in course structure in response to student feedback and the possible addition of a writing credit for this course.

- Students have given feedback for EE 280:
 - EE 280 was covering too much content, and they cannot get a strong understanding of all learning topics taught
 - Students do not feel that the lab's contents are not synching with the lecture's content
- Chen presented an updated MCD in response to the student feedback: [Link](#)
- Proposed changes to EE 280:
 - Narrow learning topics
 - Reduce the number of labs to better coordinate material between lecture and labs
- To incorporate the writing credit, structured lab writing reports have been added to the course
- ***Course is being taught with the draft version of the MCD and will be taught again during Winter quarter using this draft***
 - ***Chen will return to the committee with a review of how the new implementation was received***

Updates on adding EE 233: Circuit Theory to Core course list

Overly presented to the committee feedback from the group chairs regarding listing EE 233 as a core course.

- There were concerns from group chairs:
 - If we are adding EE 233 to the core listing to cater to only a portion of students, why can't we add courses to the core that cater to other students?
 - The number of core credits required are getting large
- Arabshahi raised the point that once EE 233 is added to the core listing, the content in the course can be updated as well.

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- Could possibly remove another core course and have EE 233 take its place.
- Overly responded to feedback with the option of waiting to see how the groups revise their courses
 - If there are more students going into areas of interest, then there is more incentive to add those courses to the Core
- Roy raised the concern that many of our students may be too heavily software oriented and not have the diversity of skills and knowledge that would make them more valuable in the industry.
- ***Overly will set up a meeting with the Group Chairs as well as with the Department Chair to discuss feedback and updates to EE 233***