

ECE Curriculum Committee Meeting

Monday, January 12th, 2026

Attending: Arabshahi, Bushnell, Chen, Dunham, Eley, Hauck, Kirschen, Mishra, Reyes, Rudell, Sallows, Swanson, Thomas, Li

Absent: Dela Cruz, Huberman, Lim, Majumdar, Moritz, Perez, Shlizerman

Agenda:

1. Approved 11/24/2025 Meeting Minutes with no changes
2. June Lukuyu proposal to convert special topics to permanent course
3. EE 331 MCD update

Energy, Sustainability and Society Proposed Syllabus

Professor Kirchen presented on behalf of Professor June Lukuyu. June successfully taught this graduate special topic course with solid enrollment over the last few years. She would like to make it a permanent 4 credit course. The very thorough MCD/syllabus was reviewed by committee, and no additional edits or suggestions were brought forth. The Associate Chair for Education will need to work with the Curriculum Manager on finding a permanent graduate course number.

- **Motion to approve MCD with final course number to be determined before Quali submission**
 - **Motion approved**

EE 331 MCD Revision Proposal

Professor Dunham presented on behalf of himself and Professor Tai Chen. The goal of the revision is to reduce overlap with EE 280 while covering essential topics and allowing students to take the course sooner. Major changes proposed:

- MCD for EE 331 – [Link](#)
- Notable changes for EE 331 discussed by committee:
 - Reduce credits from 5 to 4 by adjusting the content covered within the weeks and reducing the lectures from 4 times a week to 3 times a week
 - Replace the prerequisite of EE 233 with EE 215 and EE 280

- o Update the Course Coordinator from Tai Chen to Scott Dunham
- o Update the Textbook used
- o Update the Lab Handbook used
- o Update the grading percentages
- No changes to Learning Outcomes

Questions and concerns raised by committee

- Hauck: Current EE 331 Title “Devices and Circuits I” implies that EE 332 “Devices and Circuits II” is the next course in a sequence. It would be good to change the titles to reflect each course is a standalone. Suggest Dunham and Rudell discuss the appropriate labeling of EE 331 and EE 332. Example: EE 331 Title: Devices and Circuits: Power and Logic. EE 332 Title: Devices and Circuits: *2-word content here*
- In addition, EE 331 is a prerequisite for EE 332. Rudell plans to propose changes to EE 332 which includes removing EE 331 as a prerequisite and adding EE 233+280. This is another reason to separate EE 331 and EE 332 as stand alone.
- Hauck: Used VLSI as example, since they are also standalone courses whose titles imply a sequence.
- Arabshahi: said VLSI title changes are being worked on
- Eley: noted Multisim is not fully supported by the College for use on personal computers. Dunham removed the language “fully supported by the department” from the MCD. Dunham noted students were able to use Multisim on their personal computers with the help of an experienced TA and Chen confirmed.
- Ang Li: expressed preference for EE 331 as a prerequisite to EE 476, given its mathematical focus.
- Swanson: suggested removing the language “calculus and differential equations” from the prerequisite section since both are already covered in the EE 215 and EE 280 prerequisites.
- Hauck: suggested we keep the “calculus and differential equations” language so if the prerequisites change for either EE 215 and/or EE 280 we do not have to change this course as well.
- Arabshahi: asked if reducing the credits would impact our ABET requirement totals. Swanson said no, since EE 331 is an elective and students can make up the credits with other electives.
- Thomas: pointed out by removing EE 233 as a prerequisite to EE 331, classes that have EE 331 as a prerequisite may be impacted by lack of EE 233 knowledge. Suggest, we check with the instructors to see if these changes to EE 331 are meeting their needs or if they need to add EE 233 as a prerequisite.

- Hauck: agreed with Thomas. Suggest, we contact the Course Coordinators listed on the MCD.
- Thomas, Hauck, and Swanson agreed that we should not vote on the EE 331 MCD for approval until we receive the responses from these course coordinators.

Next Steps

- Dunham will email the revised EE 331 MCD to Arabshahi, Swanson, Perez
- Swanson, Arabshahi and/or Perez will contact the course coordinators of courses that have EE 331 as a prerequisite to determine if EE 233 needs to be called out as a prerequisite
- Dunham and Rudell will discuss course titles for EE 331 and EE 332 that are distinct and do not imply a prerequisite order
- Rudell will then submit a revised MCD for EE 332
- Perez will wait to submit EE 331 MCD until responses are received from faculty about prerequisite impacts
- **Motion to approve MCD paused until Swanson, Arabshahi and/or Perez present their findings from the course coordinators**