

# ECE Curriculum Committee Meeting

## Monday, Oct 27<sup>th</sup>, 2025

**Attending:** Arabshahi, Bushnell, Dela Cruz, Eley, Hauck, Huberman, Kirschen, Lim, Mishra, Moritz, Perez, Poovendran, Reyes, Rudell, Sallows, Shlizerman, Thomas

**Absent:** Chen, Majumdar, Swanson

### Agenda:

1. New course proposal, EE 4XX: Tiny Machine Learning for Ultra Low-Power Edge Computing (TinyML)

## New course proposal, EE 4XX: Tiny Machine Learning for Ultra Low-Power Edge Computing (TinyML)

Professor Poovendran brought to the committee a proposal to approve the MCD and get a permanent number for a hands-on machine learning course focused on ultra-low-age computing for resource-constrained platforms, which has been successfully offered three times as a special topics class previously and prepares students for real-world engineering projects. The course aims to bridge the gap between embedded systems and ML foundations, providing students with practical experience in designing, deploying, and maintaining ML pipelines on edge devices.

- Link to MCD - [Link](#)
- The group discussed prerequisites for a course, focusing on whether certain existing courses like EE242, EE344, and EE345 should be required before this new course.
  - EE 344: Data-Driven Modeling and Machine Learning is encouraged by the committee to be a recommended course
  - The committee agreed that the prerequisites should remove the MATH 308 requirement and add EE 242: Signals, Systems, and Data I as a prerequisite
- **Arabshahi will take the committee's feedback and update the MCD to reflect these prerequisite changes and present it to the committee in a future meeting**