Take EECS 398 Section 002, Electrical Engineering System Design 2, this fall!

EECS 398 - 002 (3 cr) is a new <u>design-oriented course</u> which is running for the first time this fall. It counts as an upper level EE technical elective for currently declared EE students, and will become a required part of the EE degree program for anyone who declares an EE major on or after fall 2019 (final course name will be EECS 300). In this course, students will work with embedded systems, signal processing, various analog and digital sensors, power systems, wireless, and more in their design project.

The purpose of this course is to apply knowledge gained in core EECS courses and stretch to include more advanced topics in a design project with real world relevance. This year, we will be improving and creating new sensing and support modules used to monitor water systems throughout the world. The "node" system we are basing our work on was created by the Open Storm lab, here at Michigan (http://open-storm.org/). The data these devices gather is used to prevent flooding, create healthier watersheds, and help respond more swiftly in the event a flood does happen. All design goals and specifications for the course project will be driven by the actual Open Storm project's needs.

Prerequisites
Have taken at least three (3) of the following courses, and also concurrently enrolled in the fourth:
- EECS 215
- EECS 216
- EECS 230
- EECS 280

Is this course for me?
- Do I want to see how the class content I've encountered so far can be used to make real world impact?
- Do I want an introduction to working with embedded systems?

- Am I interested in working with systems that bridge the gap between software and hardware?
- Do I want to work on a design project where you are told what the goals are, rather than how to do it?
- Do I need three (3) credits of upper level EE technical elective courses for my degree?
- Am I interested in the relevance of EE in creating a sustainable climate?

If you answered "*yes*" to any of these, this is the class for you! Register now for this fall of 2019!

Course Meeting Times
Lecture: Thursdays 3 - 5 PM
Lab: Tuesdays 1 - 4 PM

Course Faculty: Brian Gilchrist (gilchrst@umich.edu), Shai Revzen (shrevzen@umich.edu)