CEE 2550 Course Description

CEE 2550

Fall and Spring
Instructor: M.L. Weber-Shirk
No prerequisite
co-meeting with CEE 4550

CEE 2550 is available to all undergraduate students and can be used as an advisor-approved elective, or as an extra course.

Student teams conduct research, build working models, design full scale prototypes, create design algorithms, and create educational materials for technology transfer to improve drinking water quality in the Global South.

Students analyze data, write a project report, and present their results at the middle and the end of the semester.

Students in CEE 2550 will participate in an apprenticeship role on teams led by students in CEE 4550 or 5051/5052. They are expected to help with reporting and documentation, but will not be required to take on a leadership role. They are required to help write and/or edit the team's semester report, and reflect critically on their experience.

The first two weeks of the course are spent defining tasks and organizing teams. Students participate in problem definition, solution strategy, team formation, and task scheduling. Student teams write a project proposal early in the semester describing their approach to solving the research or design challenge. Final reports summarizing semester progress will be submitted by teams. The content of the final report is also presented to the class as an oral presentation using PowerPoint.