Principles of EE/CSE Design: ECE:4880
Tue, Th 8:00 - 9:15 AM, Room: 3655 SC

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Instructor: Yang Liu, 4320 SC, Phone: (319) 467-0918, Email: yang-liu-ece@uiowa.edu
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Course Outline:

Laboratory # 1 .... 5 weeks
Laboratory # 2 .... 5 weeks
Laboratory # 3 (not counting Thanksgiving Break) ....3 weeks
Sr. Design preparation ....throughout the semester

Course Objectives: This course consists of two inter-related components: 1) a set of three lab design projects, and 2) several activities related to getting started on your capstone Senior Design (ECE:4890) project.

Grading: The final grade for this course will be weighted 60% on the lab projects and 40% on the Senior Design preparatory work. Each of the three labs carry equal weight towards your grade.

Lab grades will be assigned based upon the quality of the design and associated documentation as well as the demonstration of a working solution. *A successful demonstration is not, in and of itself, sufficient to ensure a high score.* Specific guidance will be provided to convey the instructors' expectations for lab documentation and the capstone project proposal. It is essential that teams carefully follow this guidance.

Homework: All work must be submitted to the appropriate ICON dropbox by midnight on the date due. *No late work will be accepted.* A demonstration of the prototype for each laboratory must be given to an instructor by appointment. This demonstration must be scheduled and completed prior to midnight on the due date. You will be required to scan and submit a signed checkoff from your demo as part of your deliverable for each lab.

Academic Honesty: In this class you are expected to work as a group and each person in the group must contribute to the final group work product. All grading in this class will be based on the quality of the team's work as well as on each team member's individual contribution.

In all engineering disciplines, respect for intellectual property (IP) rights is important. You are expected to do your own work for all aspects of the course. However, virtually all engineering work is based on the prior art of others. When you make use of existing work, you must reference it appropriately in your documentation. For example, if you plan to use a software library written by someone else, you should (a) confirm that you are in fact authorized to use that library, and (b) document your use of the library. *Submitting work that is derivative of the work of others without appropriate references will be considered cheating and can result in a failing grade.*

Important Dates: The calendar of activites, due dates, and other important items will be listed and periodically updated on the course ICON page. It will be your responsibility to keep up to date with all announcements and updates on ICON.