181A/B Overview and Logistics

Instructor

- Soheil Ghiasi (ghiasi@ucdavis.edu)
- Office Hours: Monday 10:30am-12pm or by appointment
- Office Location: 3171 Kemper Hall

Communication

- Course web page on smartsite
- Email and Office hours

Text Book

- No text is required. The required references are available through smartsite or online.

Organization and Logistics

- Students must form teams (max 3 person per team) by Tue Jan 6th.
- Each team should check out a DE2 board and a camera from Lance Halsted.
- Each team must maintain a project homepage/blog and post weekly (short) updates. All material, e.g., reports, slides and code base, should be available via the webpage.
- Code repository must be maintain on github.
- Please post team name, members and homepage URL under smartsite wiki.
- Milestones must be demonstrated to the TAs, and all questions must be clearly answered to receive a 'pass' grade. In some cases, the instructor or the TAs might ask for specific additional steps to be taken to 'clear' the milestone.

Late policy

- Structured labs: zero credit for late labs
- Final project and milestones: 50% penalty for submissions that are late up to one week, zero credit after a week.

Grading Policy

- Structured Labs 20%
  - One lab assignment and report per team
  - Report due subsequent Monday by 4pm in the HW box (Kemper)
  - Altera Training
  - Labs and training will not have equal weights
- Development Process 10%
  - Milestone 1 (9th week of 181A) 5% → software prototype on the board + timing profile
  - Design Plan (1st week of 181B)
  - Milestone 2 (4th week of 181B) 5% → HW Kernel integration demo + design plan analysis
- Product Quality (final design, due 9th week of 181B) 50%
  - Functional HW-SW co-designed system (must meet a generous performance target) 30%
  - Performance Score (based on speedup) 20%
- Communication 20%
  - Design Plan (1st week of 181B) 5%
  - Final Report and presentation (10th week of 181B) 5%
  - Project Blog 5%
  - College of Engineering Design showcase poster + demo (early June) 5%
- One grade per team
  - The team grade will be scaled up or down, based on the member's contribution to the team, to obtain individual student grades.

Additional Course Information

- Prerequisites: EEC180B and ‘EEC 170 or EEC122’.
- EEC181A and 181B are project-driven & lab-based classes. Lectures are meant to cover fundamental concepts, but most details will be left to (teams of) students to explore. The instructor will be available during office hours (or by appointment) to discuss project issues as they come up during the course of project.

Academic conduct and code of ethics

Course work must be done by the students whose name is on the work. However, asking other students conceptual questions and explaining high-level concepts are important steps in the learning process and are strongly encouraged. This is very different from giving or receiving aid related to specific tasks, which is not permitted. Copying someone else's work or allowing your work to be copied in any setting does not promote learning, is unfair to honest students, and WILL BE immediately reported to Student Judicial Affairs. Students who observe inappropriate activity should report (anonymously if desired) to a TA or the instructor. **(zero violation tolerance policy)**