

EE128/ME134 Feedback Control Systems, Fall 2020 (update 8/31/2020)

Instructor: Prof. Ronald Fearing

Office Hours (Zoom link <https://berkeley.zoom.us/j/3373450251>) W 1-2, Th 11-12, *Berkeley time*
or email ronf@eecs for appointment.

Teaching Assistants:

Conrad Holda, (by zoom) *Berkeley time*

Zoom link: <https://berkeley.zoom.us/j/99630961953?pwd=di9NNHp3ZXB3MkhmeXhTdE0wOTJDQT09>

Rodrigo Henriquez Auba, *Berkeley time*

Zoom link: <https://berkeley.zoom.us/j/96854739329?pwd=Vk4waVJiQ0dLaEc3MkJRaGhsSkI4QT09>

Reader: Michael Wang

Course web page: <http://www-inst.eecs.berkeley.edu/~ee128/fa20> for handouts, homework, labs, schedule, lecture notes.

Please use Piazza for class questions: <https://piazza.com/class/kczehymkqk65ew>

Text: N.S. Nise, *Control Systems Engineering*, 5th, 6th or 7th edition.

Recommended Software: MATLAB & Simulink Student Version 2020a or later. Check <https://software.berkeley.edu/matlab> for availability.

Grading:

Homework: 20%

Lab 30%

Mini-project: 10%, due Tues 12/8 (RRR week)

Midterm: 10% (take home, open book/notes, but no collaboration allowed)

Oral Quiz: 10% (15 minutes individual quiz)

Final 20% (Tues 12/15 take home, open book/notes, but no collaboration allowed)

Homework: Homework is due Fri 5 pm *Berkeley time* on Gradescope. The lowest HW grade will be dropped. Up to 2 people may turn in a single homework writeup with both names listed.

Discussion Section: Meets as needed, with first discussion section Fri 8/28 0900-1000 am, and recording will be available.

Lecture: Tue/Thurs 210:330 pm on zoom (see Piazza for latest link). Recording will be available within 24 hours on Bcourses/Media Gallery.

Labs: Groups of 3 (preferred) or 2 students will work together and electronically submit a single Final Lab Report (generally due Saturday 6 pm of lab week). Prelab is due before lab (generally Mon. 10 am of lab week), with prelabs done individually for the early labs, and jointly for later labs. For the first lab assignments you will be assigned a group within your assigned lab section. Students can change sections as long as the group of three can jointly make the GSI lab office hour time.

Monday	Tuesday	Wednesday	Thursday
10-11 am Conrad (Lab OH)	11-12 Rodrigo (OH)	11-12 Conrad (Lab OH)	830-930 am Conrad (Lab OH)
11 am-12 Conrad (OH)		1-2 pm RSF (OH)	
2-3 pm Rodrigo (Lab OH)		2-3 pm Rodrigo (Lab OH)	11 am-12 pm RSF (OH)
		4-5 pm Conrad (OH)	430-530 pm Rodrigo (Lab OH)
			530-630 pm Rodrigo (OH)

Honest and ethical conduct. All work submitted to the class must be your own or attributed. The penalty for unethical conduct on exams will be a course grade of F or NP and a letter will be written to the campus Office of Student Conduct. The penalty for unethical conduct on homework or labs will be a -100% grade on that assignment.

Everyone in this class is expected to adhere to this code: "As a member of the UC Berkeley community, I act with honesty, integrity, and respect for others."