

EE128/ME134 Feedback Control Systems, Fall 2019 (update 8/31/2019)

Instructor: Prof. Ronald Fearing

Office Hours (725 Sutardja Dai Hall) W 1-2, Th 11-12, or email ronf@eecs for appointment.

Teaching Assistants:

Conrad Holda, OH: M 1230-130 pm, W 930-1030 am, 125 Cory Hall.

Nan Tian, OH : W 5-6 pm, Th 4-5 pm, 125 Cory Hall.

Course web page: <http://www-inst.eecs.berkeley.edu/~ee128/fa19> for handouts, homework, labs, schedule, lecture notes.

Please use Piazza for class questions: <https://piazza.com/class/jzon8pcaz171tw>

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

Recommended Software: MATLAB & Simulink Student Version 2010a or later. Check <https://software.berkeley.edu/matlab> for availability.

Grading: Homework: 15%, Lab 30%, Midterm 20%, Final 35%.

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

Reader: Aditya Sengupta

Labs: Scheduled labs will be held in 125 Cory. Due to limited lab stations, groups of 3 (or 4 if needed) students will work together and electronically submit a single Final Lab Report. Prelab is due before lab, 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. You must attend your assigned lab section. By arrangement only with GSIs, 2 students can request to swap sections with each other.

Section 101: M 2-5 pm, (Conrad)

Section 104: Tu 2-5 pm, (Nan)

Section 103: W 11 am -2 pm, (Conrad)

Section 102: W 2-5 pm, (Nan)

There are no discussion sections.

Honest and ethical conduct. All work submitted to the class must be your own or attributed. The penalty for unethical conduct on exams will a 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.