

EECS192 Mechatronic Design Laboratory- Spring 2019 (1/10/2018)

Instructor: Prof. R. Fearing, Office 725 Sutardja Dai Hall, x2-9193.

Office Hours: Wed 2-300 pm, Thu 2-300pm

Please email for an appointment at another time (ronf@eecs.berkeley.edu).

TA: Justin Yim (yim@berkeley.edu Office hours (tba) in 204 Cory.

Class meeting: Tue 5-630 pm 202 Wheeler Hall.

Lab lecture/demo Tentative: Wed 9-10 or Th 11-12, 204 Cory Hall.

Checkoffs tentatively Fridays, time tbd. At least one team member must be present to demonstrate functionality.

Grading: 15% checkoffs, 20% final exam, 18% oral and written reports, 9% written assignments, 10% first round contest, 20% second round contest, 3% community points (Piazza, peer review, lab helpfulness), 5% in class 10 minute quizzes.

Recommended Texts: (on reserve in Engineering Library) *Mechatronics: mechanical system interfacing* by D.M. Auslander; *Analytical robotics and mechatronics* by W. Stadler; *Robotic engineering: an integrated approach* by R.D. Klafter; *The Art of Electronics* by Horowitz and Hill;

Suggested reference: *Introduction to Mechatronic Design* by J.E. Carryer, R.M. Ohlnie, and T.W. Kenny. Please check the class web page: www-inst.eecs.berkeley.edu/~ee192 for class handouts and pointers to data sheets, etc. Also, announcements and discussion will be on **piazza**.

Schedule: see class web page.

Important Dates:

- CalDay Saturday, April 13, 2019
- EE192 Round 1 tentatively Mon or Tues April 15 or 16
- EE192 Round 2 tentatively Mon or Tues April 29 or 30
- (optional) NATCAR contest at UC Davis Saturday, May 11, 2019
- Final Exam Fri, May 17, 11:30A - 2:30P