

Course Syllabus

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This introductory course will examine linear, quadratic convex, and second-order cone optimization and their applications in engineering, circuit design, signal processing, finance operations research, machine learning, computer science, bio-engineering.

Schedule is here: [Schedule.pdf](#)  .

Course organization:

- *Instructor:* elghaoui@berkeley.edu (<mailto:elghaoui@berkeley.edu>)
- *Teaching assistants:* Josh Achiam (jachiam@berkeley.edu), Siyuan Sun (sysun@berkeley.edu) and Armin Askari (aaskari@berkeley.edu).
- *Reader:* Adesoji Adeshina (adeshina@berkeley.edu)
- *Lectures:* TuTh 11-12:30P, 277 CORY.
- *Office hours:*
 - LEG: Thu 1:30P-2:30P, 421 SDH.
 - JA: M 2-3P, SDH 450.
 - SS: M 1-2P, SDH 450.
 - AA: W 1-2P, F 9-10A, CORY 521.
- *Discussion sections:*
 - 201: W 10-11, Hearst Mining 310.
 - 202: M 4-5P, 521 CORY.
 - 203: F 2-3P, 521 CORY.
 - 204: F 11-12P, 521 CORY.
- *Homeworks:* there will be six homeworks. Only the top 5 will count.
- *Exams:* two quizzes (2/16/17, 4/11/17), one midterm (3/9/17) and a final (5/11/17, 8-11P, 277 CORY).
- *Grading:* 10% quizzes (only the top counts), 40% homework, midterm (20%), final (30%).







About 127 vs. 227:

For students enrolled into EECS 227AT:

- Instead of the final, students will do a project.
- Project teams will be 2-4 students.
- Project is the same for all teams, and will be discussed later.

The 227 version of the class is reserved for graduate students only. There will be no exceptions.

Course Summary:

| Date | Details |
|------------------|---|
| Tue Jan 31, 2017 |  HW1 (https://bcourses.berkeley.edu/courses/1457281/assignments/7773456) due by 11am |
| Tue Feb 14, 2017 |  HW2 (https://bcourses.berkeley.edu/courses/1457281/assignments/7780956) due by 11am |
| Thu Mar 2, 2017 |  HW3 (https://bcourses.berkeley.edu/courses/1457281/assignments/7786006) due by 11:59pm |
| |  Final Project for Graduate Students (https://bcourses.berkeley.edu/courses/1457281/assignments/7795163) |
| |  Midterm (https://bcourses.berkeley.edu/courses/1457281/assignments/7791259) |
| |  Quiz 1 (https://bcourses.berkeley.edu/courses/1457281/assignments/7786400) |