Course Syllabus

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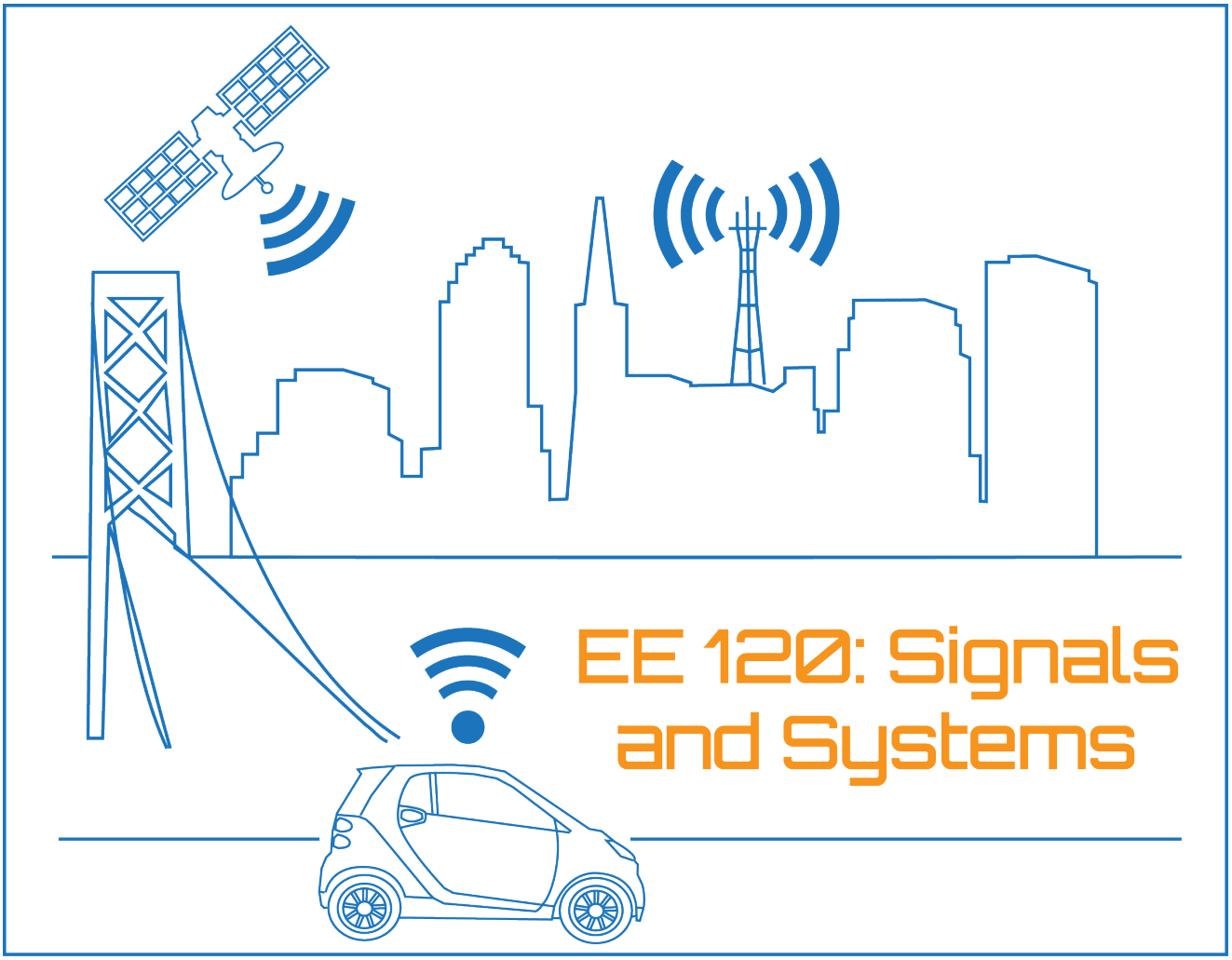

Instructor, GSIs, and Office Hours:

Dr. Murat Arcak (arcak@berkeley.edu), Tuesdays 2:00-3:00 PM, Cory 569

Dominic Carrano (dcarrano@berkeley.edu), Wednesdays 11:00 AM-12:00 PM, Cory 212

Ilya Chugunov (ilya@berkeley.edu), Mondays 12:00-1:00 PM, Cory 258

Alex Devonport (alex_devonport@berkeley.edu), Thursdays 3:00-4:00 PM, Cory 400

Jonathan Lee (jonathan-lee@berkeley.edu), Mondays 1:00-2:00 PM, Cory 258

Mindy Perkins (mindylp@berkeley.edu), Thursdays 4:00-5:00 PM (Berkeley time), Cory 284

Note: all office hours begin the week of 9/2.

Class Hours and Rooms: Tuesday and Thursday, 12:00-2:00 pm, 50 Birge

Recitations: Friday 2:30-3:30, 3:30-4:30, 4:30-5:30 pm (521 Cory)

Web site: bCourses will be used for announcements, lecture notes, grades, and solutions to tests and homework sets. Piazza will be used for discussion and polls.

Textbook: Lecture notes are provided. The following textbook is recommended but not required:

"Signals and Systems," Oppenheim & Willsky, Prentice-Hall, 2nd ed., 1997.

Grading: Homework/labs: 15 points. Midterms 1 and 2: 25 points each. Final: 35 points.

Homework Drop Policy: The lowest **one** homework *or* lab score is dropped.

Course Outline:

- Linear time-invariant systems, Fourier transforms, and applications to signal processing
- Sampling of continuous-time signals, upsampling and downsampling of discrete-time signals
- System analysis using Laplace and z-Transforms
- Using transform techniques to design feedback control systems
- Application examples

Policy on Academic Dishonesty: Copying all or part of another person's work, allowing another student to copy your work, or using material not specifically allowed (such as online solution manuals for homework problems), are forms of cheating and are not tolerated in this course. All forms of cheating will be referred to the Office of Student Conduct. Note that the policy for students involved in a second incident of cheating is dismissal from the University.

Course Summary:

Date	Details	
Thu Oct 3, 2019	Midterm 1 (https://bcourses.berkeley.edu/calendar?event_id=2229263&include_contexts=course_1483671)	12pm to 2pm
Thu Nov 14, 2019	Midterm 2 (https://bcourses.berkeley.edu/calendar?event_id=2229264&include_contexts=course_1483671)	12pm to 2pm
Fri Dec 20, 2019	Final (https://bcourses.berkeley.edu/calendar?event_id=2229265&include_contexts=course_1483671)	8am to 11am