

Class Sessions: Tuesday and Thursday 11:15am-12:30pm
Location: SEC LL2.221
Instructor: Prof. Flavio Calmon (flavio@seas.harvard.edu)

Teaching Fellows:

- Alex Oesterling (aoesterling@g.harvard.edu)
 - Joel Rakhimov (jrakhimov@college.harvard.edu)
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Office Hours and Problem-solving Session

Office hours: Tuesdays 1-2pm with Flavio (outside of SEC 3.306)

Wednesdays 6-8pm with Joel (SEC LL2 Atrium, part of EE Night)

Problem-solving session and office hours: Mondays 3-4pm and Thursdays 3-4pm with Alex (SEC 3.416)

General Resources

- [Syllabus](#)
 - [Slack](#)
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Problem Sets

- **Problem Set 1:** [pdf](#), [tex](#) (released Th, Jan 25th; due Fri, Feb 2nd at 6pm)
 - [solutions](#)
 - **Problem Set 2:** [pdf](#), [tex](#) (released Th, Feb 1st; due Th, Feb 8th at 6pm)
 - [solutions](#)
 - **Problem Set 3:** [pdf](#), [tex](#) (released Fri, Feb 9th; due Fri, Feb 16th at 9pm)
 - [solutions](#)
 - **Problem Set 4:** [pdf](#), [tex](#) (released Sat, Feb 17th; due Fri, Feb 23rd at 9pm)
 - [solution](#)
 - **Problem Set 5:** [pdf](#), [tex](#) (released Sat, Feb 24th; due Mon, Mar 4th at 11:59pm)
 - [solutions](#) [not posted yet]
 - **Problem Set 6:** [pdf](#), [tex](#) (released Wed, Mar 20th; due Fri, Mar 29th at 9pm)
 - solutions [not posted yet]
 - **Problem Set 7:** assignment on Canvas (due Fri, Apr 12th at 11:59pm)
 - **Problem Set 8:** assignment on Canvas (due Fri, Apr 19th at 11:59pm)
 - ["On Bandwidth"](#) paper mentioned in Q2b
 - **Problem Set 9:** [pdf](#), [tex](#) (released Wed, Apr 24th; due Wed, May 1st at 11:59pm)
 - [Software Defined Radio Lab](#) (alternative to math)
 - Signup sheet to be posted very soon
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Exams

- **Past midterms:** [2017](#) (in class), [2018](#) (in class), [2019](#) (in class), [2020](#) (take home), [2021](#) (take home), [2022](#) (in class), [2023](#) (in class)
 - **Past finals:** [2018](#) (in class), [2019](#) (in class), [2020](#) (take home), [2021](#) (take home), [2022](#) (in class), [2023](#) (in class)
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Course Material

Class Session 1 (Th 1/25): Overview & Taxonomy of Signals

- Reading: Section 1.1 (of Signals and Systems, by Oppenheim and Willsky)
- [Slides](#)

Class Session 2 (Tu 1/30): Manipulating Signals

- Reading: Section 1.1-1.5 (of Signals and Systems, by Oppenheim and Willsky)
- [Slides](#), [Notes](#)

Class Session 3 (Th 2/1): A First Look at Systems

- Reading: Section 1.4-1.6 (of Signals and Systems, by Oppenheim and Willsky)
- [Slides](#), [Notes](#)

Class Session 4 (Tu 2/6):

- Reading: Section 2.1-2.5
- [Slides](#), [Notes](#)

Class Session 5 (Th 2/8):

- Reading: 2.3-2.4
- [Slides](#), [Notes](#)

Class Session 6 (Tu 2/13):

- Reading: 3.1-3.3
- [Slides](#), [Notes](#)

Class Session 7 (Thu 2/15):

- Reading: 3.4-3.5
- [Slides](#), [Notes](#)

Class Session 8 (Tu 2/20):

- Reading: 3.6-3.7
- [Slides](#), [Notes](#)

Class Session 9 (Th 2/22):

- Reading: 3.6-3.7
- [Slides](#), [Notes](#)

Class Session 10 (Tu 2/27):

- Reading: 3.8-3.9
- [Slides](#), [Notes](#)

Class Session 11 (Thu 2/29):

- Reading: 4.1-4.2
- [Slides](#), [Notes](#)

Class Session 12 (Tu 3/5):

- Reading: 4.2-4.3
- [Slides](#), [Notes](#)

Class Session 12.5 (Th 3/7):

- **Midterm!!! Good luck :)**

Class Session 13 (Tu 3/19):

- [Slides](#), [Notes](#)

Class Session 14 (Thu 3/21):

- Reading: 4.7-4.8, 5.1
- [Slides](#), [Notes](#)

Class Session 15 (Tu, 3/26):

- Reading: 6.0

- [Slides](#), [Notes](#)

Class Section 16 (Th, 3/28):

- Reading: 7.1-7.3
- [Slides](#), [Notes](#)

Class Section 17 (Tu, 4/02):

- Reading: 7.4-7.5
- [Slides](#), [Notes](#)

Class Section 18 (Thu, 4/04):

- Reading: 8.4-8.9
- [Slides](#), [Notes](#)

Class Section 19 (Tu, 4/09):

- [Slides](#), [Notes](#)

Class Section 20 (Th, 4/11):

- [Slides](#), [Notes](#)

Class Section 21 (Tu, 4/16):

- [Slides](#), [Notes](#)

Class Section 22 (Th, 4/18):

- [Slides](#), [Notes](#)

Class Section 23 (Tu, 4/23):

- [Slides](#), [Notes](#)