Syllabus
EE 324: Signals and Systems II
Spring 2018

Instructors

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References

*Signals and Systems*, by S. Haykin and B. Van Veen, John Wiley and & Sons, 2005

Web resources:
MATLAB: [https://www.mathworks.com](https://www.mathworks.com)
Online tutorial: [https://www.tutorialspoint.com/signals_and_systems/](https://www.tutorialspoint.com/signals_and_systems/)

Responsibilities

Yongxin: main lectures
Amit: Homework grading, quizzes grading and exams grading
Soumyabrata: Recitation, Lab section A&B and exams grading
David: Lab section C&D and exam grading

Office hours

Yongxin: Mon 3:00pm-4:00pm, Fri 3:00pm-4:00pm
Amit: Tue 1:00pm - 3:00pm
Soumyabrata: Thu 9:00am - 11:00am
David: Fri 10:00am - 11:00am

Scholastic Dishonesty

Cheating, whether it is on your problem sets or exams, is absolutely unacceptable. Please refer to the Student Conduct Code at: [https://www.policy.iastate.edu/policy/SDR](https://www.policy.iastate.edu/policy/SDR)

Dead weak policy

[http://www.provost.iastate.edu/academic-programs/dead-week](http://www.provost.iastate.edu/academic-programs/dead-week)

Course content

- Laplace transform (Chapter 6)
- Z-transform (Chapter 7)
- Applications to Filters (Chapter 8)
- Application to feedback control (Chapter 9)
Grading scheme

- There will be two in class midterm exams; in roughly the 6th and 12th week, respectively. There will be one final exam (in 17th week) that will be comprehensive.
- Homework (which will include matlab exercises) will be assigned on a weekly basis. These will be due a week later.
- There will be a certain number (6 maybe) of quizzes given in the class.
- The course involves weekly labs. Prelab reports are due the day of the lab, and lab reports are due the day of the next lab.
- Make up or late submission will be allowed only with a prior arrangement with the instructor, or for emergency (eg, medical); adequate documentation should be provided for the same.
- TA will supervise labs and do the grading, so please contact your TA for questions regarding your grading first.
- The overall distribution of grades is obtained as:
  - Homework 20%
  - Quizzes 10%
  - Labs 20%
  - 2 Midterms 30%
  - Final 20%

  - Final letter grade will be assigned based on class score distribution with average being the cutoff for $B_-$ or better, and $\leq 45$ is automatic $F$.

Course outline

- EE 224 review (1 week)
- Signals and Systems overview (1 week)
- Laplace transformation (4 weeks)
- Z-transformation (3 weeks)
- Applications to Filters (3 weeks)
- Applications to feedback control (3 weeks)