Syllabus

EE 324: Signals and Systems II Spring 2018

Instructors

	Name	Email	Office
Instructor	Yongxin Chen	yongchen@iastate.edu	Coover 3218
TA1	Amit Jena	amitjena@iastate.edu	TLA
TA2	Soumyabrata Talukder	talukder@iastate.edu	TLA
TA3	David Severson	dsev15@iastate.edu	TLA

Schedule

Lectures: M, W, F 2:10pm - 3:00pm, GILMAN 1652 Labs: T 10:00am - 12:50pm (A), R 12:10pm - 3:00pm (B), W 3:10pm - 6:00pm (C), W 6:10pm - 9:00pm (D), COOVER 2061

References

Signals and Systems, by S. Haykin and B. Van Veen, John Wiley and & Sons, 2005 Web resources: MATLAB: https://www.mathworks.com Online tutorial: https://www.tutorialspoint.com/signals_and_systems/ Wikibooks: https://en.wikibooks.org/wiki/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 9:30am - 11:30am 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

Dead weak policy

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 ≤ 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)