# Syllabus

EE 324: Signals and Systems II  
Spring 2018

## Instructors

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<thead>
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<tbody>
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## 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](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 9:30am - 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](https://www.policy.iastate.edu/policy/SDR)

## Dead week 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:
    
    | Component     | Percentage |
    |---------------|------------|
    | 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)