EE150 Signals and Systems – Course Introduction

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General information

Lecture:

- Instructor: Yanlin Geng
- Venue: Teaching Center 201
- Timing: Tue, 8:15–9:55; Thu, 8:15–9:55

Lab:

- Instructor: Linyan Lu
- Timing: Mon, Tue, Thu, 13:00–14:40, 15:00–16:40

Tutorial:

- Office hours: Mon, Tue, Wed, Fri, 19:35–21:15
- Venue: SIST 1D 106

Course materials

Webpage: https://elearning.shanghaitech.edu.cn

Lecture notes:

- upload to Blackboard
- additional files provided when necessary

Reference books:

- Signals and Systems (2nd Edition), Oppenheim, Willsky, Hamid
- Signals and Systems using MATLAB (2nd Edition), Luis Chaparro

Course materials

Course contents (Chapters 1-5, 9, 10 of Reference 1):

- Signals and systems (3 weeks)
- linear time-invariant systems (2 weeks)
- Fourier analysis (3 weeks)
- continuous and discrete-time Fourier transforms (3 weeks)
- Laplace transform (2 weeks)
- Z transform (2 weeks)

Pre-request

Pre-request:

- analysis
- linear algebra

Homework and Lab

Homework:

- assigned and uploaded to Blackboard (Thu)
- hand-writtern! submit to SIST 1C 403E (next Fri)
- $\sim$ 12 homeworks, evaluation 20%

Lab: 15%

Exams

Exams (Tentative):

- midterm: Thu., April, in class, 30%
- final: June, 35%

Final score: HW, Lab, Exams

Students are expected to understand concepts, apply methods, replicate them, not to memorize complicated formulas

Feedback

Feedback are welcome:

- using Blackboard
- pass me your comments during the class
- send emails to me
- to tutors