

College of Computer & Information Sciences
King Saud University

CEN 340 Signals and Systems
Instructor: Prof. Ghulam Muhammad (Section: 44197)

Fall 2017 Semester
Course Outlines

Signals and Systems (CEN 340)

Week	Dates (Hijri)	Topic
1	26/12/1438H	Introduction to Matlab
2	4/1/1439H	Introduction to Matlab/Ch. 1: Signals and Systems
3	11/1	Ch. 1: Signals and Systems
4	18/1	Ch. 1: Signals and Systems
5	25/1	Ch. 1: Signals and Systems
6	2/2/1438H	Ch. 2: Linear Time-Invariant Systems
7	9/2	Ch. 2: Linear Time-Invariant Systems
Exam I	12/2/1439 H	Wednesday Nov 1, 2017, evening
8	16/2	Ch. 3: Fourier Series Representation of Periodic Signals
9	23/2	Ch. 4: The Continuous-Time Fourier Transform
10	1/3/1438H	Ch. 4: The Continuous-Time Fourier Transform
11	8/3	Ch. 4: The Continuous-Time Fourier Transform
12	15/3	Ch.4: The Cont.-Time Fourier/Ch. 9: The Laplace Trans.
13	22/3	Ch. 9: The Laplace Transform
Exam II	18/3/1439 H	Wednesday Dec 6, 2017, evening
14	29/3	Ch. 9: The Laplace Transform
15	6 / 4 /1438 H	General course final exams (Dec 24, 2017)
16	13 / 4	Final Exams (Dec 31, 2017)

Textbook:

A. Oppenheim and A. Willsky, "Signals and Systems," Prentice Hall 1997.

Grading:

- Exam I 20%
- Exam II 20%
- Assignments/Quizzes 20%
- Final 40%

References:

- L. Rabiner and R. Schafer, "Digital Processing of Speech Signal," Prentice Hall 1978.
- L. Rabiner and B. Juang, "Fundamentals of Speech Recognition," Prentice Hall 1993.
- J. Deller, J. Proakis, and J. Hansen, "Discrete-Time Processing of Speech Signals," Macmillan 1993.
- A. Oppenheim and A. Willsky, "Signals and Systems," Prentice Hall 1997.
- Rowden, "Speech Processing," McGraw-Hill 1992.
- Lecture notes are available in my homepage.

Instructor:

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