بسم الله الرحمن الرحيم

College of Computer & Information Sciences
King Saud University, Riyadh

CEN 340 Signals and Systems   Spring 2018 Semester
Instructor: Prof. Ghulam Muhammad   Course Outlines

Signals and Systems (CEN 340)

Week	Dates (Hijri)	Topic
1	4/5/1439H	Introduction to Matlab
2	11/5	Introduction to Matlab/Ch. 1: Signals and Systems
3	18/5	Ch. 1: Signals and Systems
4	25/5	Ch. 1: Signals and Systems
5	2/6/1439H	Ch. 1: Signals and Systems
6	9/6	Ch. 2: Linear Time-Invariant Systems
7	16/6	Ch. 2: Linear Time-Invariant Systems
Exam I	**12/6/1439H**	Wednesday, Feb 28, 2018 (evening hours)
8	23/6	Ch. 3: Fourier Series Representation of Periodic Signals
9	1/7/1439H	Ch. 4: The Continuous-Time Fourier Transform
10	8/7	Ch. 4: The Continuous-Time Fourier Transform
11	15/7	Ch. 4: The Continuous-Time Fourier Transform
12	22/7	Ch.4: The Cont.-Time Fourier/Ch. 9: The Laplace Trans.
13	29/7	Ch. 9: The Laplace Transform
Exam II	**25/7/1439H**	Wednesday, April 11, 2018 (evening hours)
14	6/8/1439H	Ch. 9: The Laplace Transform
15	13/8	Final Exam (May 03, 2018)

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 Hall1993.
- 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.

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