40-242 Signals & Systems

Course Syllabus

Term:
Fall 1385 (2006)

Instructor:
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Course Description:
40-242 provides an introduction to signals & systems fundamental principles & techniques. Topics include: Linear time-invariant systems, Fourier series representation of periodic signals, continuous-time Fourier transform, discrete-time Fourier transform, time & frequency characterization of signals & systems, sampling, Laplace transform, and Z transform.

Prerequisites:
22-035 (Mathematical Engineering) and Electrical Circuits (40-121).

Credit:
3 units.

Course Schedule:
Sundays & Tuesdays, 9:00-10:30, Room EE 8.

Website:
The course website can be found at:
http://ce.sharif.edu/courses/85-86/1/ce242
Please check this site often for important announcements, files needed for computer exercises, and the PDF versions of handouts & homework.

Main Text Book:
[Additional topics might be included.]

Reference Book:
Homework Policy:
Homework problems will be assigned by the end of each chapter and solution provided. Some homework assignments will require programming and testing. Programming assignments can be submitted either in Matlab or C Languages.

Grading Policy:
Written & computer exercises: 3+2=5 pts.
Quiz: 2 Points (1 pt. each)
Midterm exam: 4 pts. (hold at: 1385.8.30)
Final exam: 10 pts. (hold at 1385.10.24, 14:30)
Class activities: 2 pts.
Total: 23 pts.

Instructor Office Hour:
Sundays, 16:30-17:30, Room 307, CE, SUT.

Teaching Assistants:

Course E-Mail Address:
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