EECS 361- Signal and System Analysis

Fall 2024

Test 1

Modified from course syllabus

Course Objectives: Students will be able to:
1. Describe continuous systems in the time and frequency domains.
2. Understand how to classify signals as power or energy signals, classify systems as linear/non-linear, time-invariant/time-varying, causal/non-causal, BIBO stable/unstable.
3. Understand and be able to use the special functions, including impulse, step, and pulse functions.
4. Perform continuous time convolution.
5. Determine the time and frequency characteristics, frequency response function-$H(\omega)$, of continuous systems.
6. Represent of periodic signals using Fourier series and construct spectral plots.
7. Determine the output of linear time-invariant systems with a periodic input.
8. Determine appropriate tools to apply to signals and systems problems.