

EE 601 Linear Systems-- Summer 2000  
Instructor: Laurie L. Joiner 217B Engineering Building 890-6126  
Office Hours: M 3-4, W 2-5 email: [ljoiner@ece.uah.edu](mailto:ljoiner@ece.uah.edu)

Textbook:

A. Poularikas and S. Seely, *Signals and Systems*, 2<sup>nd</sup> Ed., Krieger, 1991.

References:

J. Gaskill, *Linear Systems, Fourier Transforms, and Optics*, John Wiley & Sons, 1978.

Grades will be based on:

Homework: 20%

Midterm exam: 35%

Final exam: 45%

Tentative schedule of topics:

Signals and their representations

Linear Continuous Time Systems

Harmonic Analysis

Two Dimensional Convolution and Fourier Transforms

Optical Systems

Sampling of Signals

Discrete Signals, Difference Equations, and System Description

Z-Transforms

Attendance:

Advance notice will be given for class cancellations when possible. Students may leave after 15 minutes if no one shows up to teach a class. It is the responsibility of each student to make up deficiencies that result from missing classes. If an exam must be missed, the student must see the instructor and make arrangements in advance, unless an emergency makes this impossible. Approval for makeup exams is much more likely if the student is willing to take the exam early.

Late homework will not be accepted.

The Final exam is August 10 from 3:00-5:30 and will be cumulative.

Class notes are located on the web at <http://www.eb.uah.edu/~ljoiner/ee601>

Please email me if there are problems with the notes