University of Alabama in Huntsville
Department of Electrical and Computer Engineering

EE 382 Analytical Methods for Continuous Time Signals and Systems

Fall 1994

Instructor: Payman Arabshahi, EB 254. Tel: (205) 895–6684, E-mail: payman@ebs330.eb.uah.edu. Office hours: TTh: 1:30–2:30 pm, or by appointment.

Teaching Assistant: Jaimin Shah, EB 205. Tel: (205) 895–6038, E-mail: jaimin@ebs330.eb.uah.edu. Office hours: MW: 1:30–2:30 pm, and F: 9:00-10:00 am.

Textbook: A.D. Poularikas and S. Seely, *Signals & Systems*, Krieger, 1994.

Course Outline: Material from Chapters 1–5 of the text will be covered in class. These include signal modeling, continuous time linear systems, Fourier analysis, and Laplace transforms.

Prerequisite: Basic understanding of complex variables, linear differential equations, and calculus.

Grading:

Major Exams (2)	60%
Homework	10%
Final	30%

Notes:

1. Homework will be assigned on Wednesday of every week, and will be due at the beginning of class on the following Wednesday.
2. Please observe the posted office hours. If they are not convenient please make an appointment to see me.

References:

1. A. Papoulis, *Signal Analysis*. McGraw-Hill: New York, 1977.
2. R.N. Bracewell, *The Fourier Transform and its Applications*. McGraw-Hill: New York, 1986.
3. A.V. Oppenheim, A.S. Wilsky, and I.T. Young, *Signals & Systems*. Prentice-Hall: Englewood Cliffs, N.J., 1983.