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UNIVERSITY OF WASHINGTON
Department of Electrical Engineering

EE 235 Continuous Time Linear Systems

4 credits
Winter 1997, MEB 134
http://www.ee.washington.edu/class/235/

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Instructor: Payman Arabshahi, EEB 536. Tel: (205) 685–1606, E-mail: payman@u.washington.edu. Office hours: MW 11:30–12:30 pm, or by appointment.

TA: Lisa Johnson, EEB 215. E-mail: lisaj@u.washington.edu. Office hours: TBA.

Textbook: Charles L. Phillips and John M. Parr, *Signals, Systems and Transforms,* Prentice Hall, Inc. 1995.

Course Outline: Material from Chapters 1, 2, 3 (except for 3.8), 4, 5, and parts of chapters 6 and 7 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)	50%
Homework	10%
Quizez	10%
Final	30%

Notes:

1. Homework will be assigned on Friday of every week, and will be due at the beginning of class on the following Friday.

2. Please observe the posted office hours. If they are not convenient please make an appointment to see me.

3. The course uses MATLAB for the laboratory exercises and also for checking homework problems. The recommended platforms are the PCs in EEB 105 or the HP workstations in EEB 013.

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.