UNIVERSITY OF ALABAMA IN HUNTSVILLE
Department of Electrical and Computer Engineering

EE 426/506 Communication Theory

Fall 1994

Instructor: Payman Arabshahi, EB 254. Tel: (205) 895–6684, E-mail: payman@ebs330.eb.uah.edu.
Office hours: TTh: 1:30–3:00 pm, or by appointment.

Textbook: R.E. Ziemer and W.H. Tranter, *Principles of Communications, Third Edition.* Houghton
Mifflin: Boston, 1990.

Course Outline: Material from Chapters 1–3 and Appendix A of the text will be covered in class.
These include signal and linear system analysis, modulation theory, and noise calculations.

Prerequisite: EE 420/500 or equivalent.

Grading:

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

Notes:

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

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

References:

1. B.P. Lathi, *Modern Digital and Analog Communication Systems.* Holt, Rinehart, and Winston:
   Philadelphia, 1989.

2. S. Haykin, *Communication Systems.* Wiley: New York, 1983.

3. A. Papoulis, *Signal Analysis.* McGraw-Hill: New York, 1977.

4. R.N. Bracewell, *The Fourier Transform and its Applications.* McGraw-Hill: New York, 1986.