Portland State University   Electrical and Computer Engineering

ECE 419/519: Linear System Design II
(4 Credits)   Winter 2007

- Class schedule: T & Th: 2:00 - 3:50 PM, SB2 108

- Instructor: Prof. Fu Li

- Office hours: T & Th: 1:00 - 2:00 PM or by appt.

- FAB 160-10, 5-3824 or fli@ece.pdx.edu

- TA: TBA

Textbook:

- Signals and Systems, 2nd edition, by Poularikas and Seely, PWS-Kent, 1991.

References:

- Contemporary Linear Systems, Using Matlab, by Robert D. Strum and Donald E. Kirk, PWS-Kent Publishing, 1993.

- Signals and Systems: Continuous and Discrete, Third Edition, by Rodger E. Ziemer, William H. Tranter, and D. Ronald Fannin, MacMillan, 1993.

Course descriptions

- Introduction of fundamental concepts of discrete-time linear system, including linearity, superposition, time-invariance, causality, stability, and convolution; Z transform and other discrete-time transforms; State-Space description of linear systems and its properties; advanced topics.

Prerequisite:

- EE 222: Signals and Systems, or equivalent.

Grading policy:

- Final grade will be based upon: two mid-term quiz 25% and final exam 50%.

- The weekly-assigned homework will not be graded. But the solutions to homework problems will be available at the Clean Copy.

- The attendance is required.

Have fun!