ECE 516: DIGITAL SIGNAL PROCESSING I

Time and Place: Saturday, 2:00 - 4:40 PM, Knox4.
Professor: Adly T. Fam, 132 Bell Hall, Tel. 645-2422 X2128. E-mail: afam@eng.buffalo.edu.
Grading Policy: 60% on final project, 20% on three individual studies, 20% on four quizzes.
Office Hours: By appointment.
Web: www.eng.buffalo.edu/Classes/ee516

Course Outline:
Discrete-Time Signals and Systems,
The Z-Transform,
Digital Filter Structures,
The Discrete Fourier Transform,
Computation of the DFT,
Digital Filter Design Techniques,
Finite Wordlength Effects,
Noise Effects,
Nonlinear DSP.

Text: