

EE 438 Approximate Syllabus.

0. Introduction.
1. Analysis of Discrete-Time Linear Time-Invariant Systems.
 - 1.1. Signals.
 - 1.2. Systems.
 - 1.3. Fourier Series and Transforms.
 - 1.4. Sampling.
 - 1.5. Z-transform.
 - 1.6. FFT.
 - 1.7. Random Sequences.

0-1.6: 6 weeks

1.7: 3 weeks

The remaining five weeks will be devoted to some of the following:
Speech processing (linear predictive models);
Image processing (noise removal, tomography, compression).