

EE 102A: Signal Processing and Linear Systems I
Summer 2012-13 Syllabus

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| Week 1 (6/24) | Course Overview Signal Characteristics and Models |
| Week 2 (7/1) | Systems Characteristics and Models Time Domain Analysis of Continuous-Time Systems Convolution |
| Week 3 (7/8) | Continuous-Time Fourier Series Continuous-Time Fourier Transform |
| Week 4 (7/15) | Fourier Transform Theorems Frequency Response of LTI Systems |
| Week 5 (7/22) | Modulation and Demodulation Periodic Signals and Sampling |
| Week 6 (7/29) | The Laplace Transform Inversion of the Laplace Transform |
| Week 7 (8/5) | Applications of the Laplace Transform Frequency Response, Bode Plots and Filters |
| Week 8 (7/12) | Feedback Overview and Conclusions |