

EE301 Lecture Recordings

1. [EE301-20240903.mp4](#) – Course Introduction.
2. [EE301-20240906.mp4](#) – Chapter 1: Signal and System Modelling
3. [EE301-20240910.mp4](#) – Introduction to Noise
4. [EE301-20240913.mp4](#) – Noise Continued and Cpt 1 HW discussion
5. [EE301-20240917.mp4](#) – Convolution derivation and examples
6. [EE301-20240920.mp4](#) – More convolution Examples and introduction to solving DifEq
7. EE301-20240924 - No Video – Worked several convolution examples
(see DrD Linear Systems Tutorial and related flash slides)
8. [EE301-20240927.mp4](#) – DifEq – RL & RC
9. [EE301-20241001.mp4](#) – Fourier Series
10. EE301- 20241004 - Exam 1: no recording
11. [EE301-20241008.mp4](#) – Reprise Exam 1 and some more Fourier Series
12. [EE301-20241011.mp4](#) – The Fourier Transform
13. EE301-20241015 - Fall Break, No class
14. [EE301-20241018.mp4](#) – Worked some Ch4 Homework problems and introduced the Laplace transform
15. [EE301-20241022.mp4](#) – Worked some Ch5 Homework problems Discussed partial fractions and introduced Filter Theory
16. [EE301-20241025.mp4](#) – Worked some more CH5 HW, Introduced Filter Design and the Design Project
17. [EE301-20241029.mp4](#) – Worked one more Ch5 problem, Reviewed Laplace again, Introduced Sampling and discrete-time tools
18. [EE301-20241101.mp4](#) – Difference Equations and worked MATLAB problem Ch5-4
19. [EE301-20241105.mp4](#) – Z-Transforms and discuss CH8 homework
20. [EE301-20241108.mp4](#) – Introduced “windowing” and the classic window functions to get better results from using the Discrete Fourier Transform (DFT or the FFT)
21. [EE301-20241112.mp4](#) – Discussed the FFT and using MATLAB to calculate the FFT
22. [EE301-20241115.mp4](#) – Reviewed topics to date, discussed final project and life long learning