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 lifelong learning
23. EE301-20241119.mp4 – Went over Exam 2, discussed final project and windowing in FFTs
24. EE301-20241122.mp4 – Discussed Ch10 HW and using MATLAB for the final project
25. EE301-20241126.mp4 – More Final Project questions