

Week	Topic	Readings	HW/Quiz
1 11/15, 11/17	Introduction to Signals and Systems LTI Systems I (Convolution)	Ch. 1 & Handout Ch. 2 & Handout	HW # 1
2 11/22, 11/24	LTI Systems II (Impulse Response) LTI Systems III (LCCDEs)	Ch. 2 & Handout Ch. 2 & Handout	Official Holiday Quiz #1 HW #2
3 11/29, 12/1	Fourier Series I Fourier Series II	Ch. 2 & Handout Ch. 3 & Handout	Quiz #2
4 12/06, 12/08	Frequency Response, Filtering Fourier Transform I (Basics)	Ch. 4 & Handout Ch. 4-6 & Handout	HW #3, Quiz #3
5 12/13, 12/15	Fourier Transform II (CT) Fourier Transform III (DT)	Ch. 4-6 & Handout Ch. 4-6 & Handout	Quiz #4
6 12/20, 12/22	Fourier Transform IV (Mag./Phase) Fourier Transform V (Applications)	Ch. 4-6 & Handout Ch. 4-6 & Handout	HW #4, Quiz #5 Midterm Exam I
7 01/18, 01/20	Discrete Fourier Transform I Discrete Fourier Transform II	Handout Handout	Quiz #6
8 01/25, 01/27	Sampling I (1st and 2nd order DT Systems) Sampling II (Aliasing)	Ch. 7 & Handout Ch. 7 & Handout	Official Holiday HW # 5
9 02/01, 02/03	Sampling III (DT Processing of CT Signals) Sampling IV (Up and Down Sampling)	Ch. 7-8 & Handout Ch. 7 & Handout	Quiz # 7
10 02/08, 02/10	Communication Systems I (Sinusoidal Modulation) Communication Systems II (Topics in Modulation)	Ch. 8 & Handout Ch. 8 & Handout	HW #6, Quiz #8
11 02/15, 02/17	Laplace Transforms I (Automatic Control) Laplace Transforms II (ROC, Inverse)	Ch. 9 & Handout Ch. 9 & Handout	Official Holiday HW #7 ,Quiz #9
12 02/22, 02/24	Laplace Transforms III (Bode diagrams) Applications of Laplace Transform	Ch. 9 & Handout Ch. 9 & Handout	Quiz #10
13 02/29, 02/31	Z-Transforms I Z-Transforms II	Ch. 10 & Handout Ch. 10 & Handout	Midterm Exam II HW #8
14 03/05, 03/07	Z-Transforms III Z-Transforms IV	Ch. 10 & Handout Ch. 10 & Handout	Quiz #11
15 03/13	Advanced Topics III Advanced Topics IV	Handout Handout	Quiz #12
92/04/02	Final Exam	Comprehensive	15:00-18:00