Date	Topic	Chapters	Handouts	Modules	Slides	Submissions/quizzes	
1/20/2021	Introduction/motivation		Handout 1	1 & 2	S1 pp 1-18		
1/25/2021	Signals & systems and periodicity	1.1-1.4	Handout 2A	3 & 4	S1 pp 19-29		
1/27/2021	A/D and D/A conversion; discrete time signals&systems	1.4	Handout 2B	5 & 6	s1 pp 30-38	HW1 (orientation)	
2/1/2021	Properties of systems	2.1-2.5	Handout 3	7, 8, & 9	s1 pp39-56		
2/3/2021	LTI systems, implementing LTI systems, correlation	2.5	Handout 3	10 & 11	s1 pp57-66	HW2	
2/8/2021	Correlation	2.6	Handout 4	12, 13, & 14	s1 pp67-82	Project1	
2/10/2021	z-transform	3.1-3.3	Handout 5	15-17	s2 pp1-16	HW3	
2/15/2021	Properties of z-transform, transfer functions	3.2-3.3	Handout 5	18-20	s2 pp17-34		
2/17/2021	LTI systems in z domain	3.5	Handout 6, 6B	21	s2 pp35-43	HW4	
2/22/2021	One-sided z-transform	3.6	Handout 6	22-23	s2 pp44-57	Project2	
2/24/2021	Fourier transforms for continuous time signals	4.1	Handout 7	24-26	s3 pp1-15	HW5	Test1 (Ch 1-3)
3/1/2021	Fourier transforms for discrete time signals	4.2	Handout 7	27-29	s3 pp16-29		
3/3/2021	Edge conditions for existence of Fourier	4.2	Handout 8	30-31	s3 pp30-42	HW6	
3/8/2021	NO CLASS: ***extra*** wellness day						
3/10/2021	Time and frequency analogies; properties of Fourier	4.3, 4.4	Handouts 9, 10	32-34	s3 pp43-64		
3/15/2021	Sinusoids as eigen-functions of LTI systems	5.1	Handout 11	35-36	s4 pp1-21		Test2 (Ch4)
3/17/2021	Transient & steady state response; rational freq response	5.1, 5.2	Handout 12	37-38	s4 pp22-35	Project3	**Drop deadline**
3/22/2021	Filters	5.4	Handout 13	39-40	s4 pp36-54		
3/24/2021	NO CLASS: wellness day						
3/29/2021	More filters (including application to AM); deconvolution	5.4-5.5	Handout 14	41-43	s4 pp55-73	HW7	
3/31/2021	Sampling, aliasing, and reconstruction	6.1	Handout 15	44-46	s5 pp1-27	HW8	Test3 (Ch5)
4/5/2021	Signal denoising; and end-to-end systems using DSP	6.2-6.3	Handout 16	47-48	s5 pp28-44	HW9, Project4	
4/7/2021	Modern signal processing		Handout 17	49-52	s5 pp45-71		
4/12/2021	Discrete Fourier transform (DFT)	Chapter 7				HW10	
4/14/2021	Properties of DFT						Test4 (Ch6)
4/19/2021	Linear filters using DFT					HW11	
4/21/2021	Filtering long sequences; frequency analysis using windows					HW12	
4/26/2021	FFT; Finite impulse response (FIR) filter design using windows	Ch 8,10				Project5	
4/28/2021	Infinite impulse response (IIR) filters						
5/3/2021	**Final exam**						Test5 (Ch7-10)