

	Date	Theme	Topic	Readings	Out	In
1	1/7	Signals	Signals, systems, circuits and phasors	1.1	HW1	
2	1/9	Signals	Rectangle, step functions, signal transformations, periodic, even and odd	1.2	HW2	HW1
3	1/14	Signals	Exponential, sinusoids, complex exponentials, Dirac Delta	1.3 - 1.4		
4	1/16	LTI in time	Systems, linearity, time invariance	1.6.5, 1.6.6	HW3	HW2
5	1/21	LTI in time	Impulse response and convolution	2.2		
6	1/23	LTI in time	Convolution with a sinusoid, connection to phasors	2.2	HW4	HW3
7	1/28	LTI in time	Convolution properties	2.3		
8	1/30	Fourier series	Fourier series	3.1 - 3.3	HW5	HW4
	2/4		<b>Midterm 1</b>			
9	2/6	Fourier series	Fourier series convergence and properties	3.4	HW6	HW5
10	2/11	Fourier series	Fourier series properties	3.5		
11	2/13	LTI in frequency	Frequency response of LTI systems and the Fourier transform	3.9, 3.10, 4.1, 6.4	HW7	HW6
12	2/18	Fourier transform	Fourier transform	4.1-4.2		
13	2/20	Fourier transform	Fourier transform properties	4.3	HW8	HW7
	2/25		<b>Midterm 2</b>			
14	2/27	Fourier transform	Rectangle and sinc functions	4.3	HW9	HW8
15	3/4	Fourier transform	Convolution and multiplication properties	4.4, 4.5, 6.3		
16	3/6	LTI in frequency	Filters, bode plots	6.2.3, 6.5	HW10	
17	3/11	LTI in frequency	Filters, bode plots	6.5		
18	3/13	Sampling	Sampling theorem	7.1		HW10
	3/19		<b>Final exam Tuesday 3-6pm</b>			