

Rough Lecture/Assignment/Quiz/Lab Schedule



Week	Lab	Day	Date	Assignment/Quiz	Lecture Topic (Reading)
1		R	4-Sep		Introduction to Signals (Chapter 1): 1. Transformations: Shifting and Scaling, 2. Types: Periodic vs. Aperiodic; Even vs. odd; Energy vs. Power, 3. Examples: Exponential; Sinusoidal; Ramp; Gate; Impulse; Step
2	Lab 1 (1-Matlab)	T	9-Sep		
		R	11-Sep	Assignment 1 due	CT and DT Systems (Chapter 2): 1. System Connections and Properties
3	Lab 1 due	T	16-Sep		Time Domain Analysis, LTIC Systems (Chapter 3): 1. Constant Coefficient Differential Equations 2. Solution of Differential Equation 3. Convolution
		R	18-Sep		
4	Lab 2 (2-Audio)	T	23-Sep		
		R	25-Sep	Quiz 1	
5	Lab 2 due	T	30-Sep	No Class	Rosh Hashanah
		R	2-Oct		Integral Transforms (4.1, 4.2, 4.3, Chapter 6): 1. Transformation of LTICs 2. Solution of LTICs using Laplace Transforms 3. Transfer functions from Constant Coefficient Differential Equations 4. Convolution Property, Multiplication Property
6	Lab 3 (3-B 5 th)	T	7-Oct		
		R	9-Oct	No Class	(Yom Kippur)
7	Lab 3 due	T	14-Oct		Fourier Transform - CT Systems (Chapter 4, 5): 1. CT Fourier Transform for CT Periodic Signal 2. CT Non-periodic Signals: CT Fourier Transform 3. Properties of CT Fourier Transform
		R	16-Oct	Mid-term Test	