

Tentative Syllabus and Schedule

Readings are from “Signals and Systems,” by S. Haykin and B. Van Veen, Wiley, 2005.

#	Date	Day	Reading	out	due	Topics
1	9/2	T				course intro & describing systems
2	9/4	R	1.1-1.5	PS1		Basic systems & properties
3	9/9	T	1.6			System properties
4	9/11	R	1.7, 1.8	PS2	PS1	DT superposition sum
5	9/16	T	1.8	Lab1		CT LTI systems
6	9/18	R	1.10, 2.1-2.3			Convolution
7	9/23	T	2.3, 2.4			LCCDE
8	9/25	R	2.5	PS3	PS2	Differential Eq. & Eigenfunctions
9	9/30	T	2.6-2.8			Fourier Series
10	10/2	R	2.9-2.10	PS4	PS3	Fourier Series properties
11	10/7	T	2.10, 2.11, 3.1-3.3			Properties & DTFS
12	10/9	R	3.4	PS5	PS4	DTFS
13	10/14	T	3.5		Lab1	DTFS & LTI
	10/16	R				Midterm
14	10/16	T	3.5, 3.6	Lab2		CTFT
15	10/23	R	3.6	PS6	PS5	CTFT & duality
16	10/28	T	3.7, 3.8			Filtering
17	10/30	R	3.9, 3.10			Multiplication & modulation
18	11/4	T	3.11, 3.12			DTFT, DTFT of periodic signals
19	11/6	R	3.13, 3.14	PS7	PS6	DTFT properties
20	11/11	T	3.15, 3.16			DTFT properties
21	11/13	R	3.17, 3.18	PS8	PS7	Sampling
22	11/18	T	4.1-4.3		Lab2	aliasing
	11/20	R				Midterm 2
23	11/25	T	4.4, 4.5			DT proc of CT signals
	11/27	R				No class – Thanksgiving
24	12/2	T	4.5, 4.6	PS9	PS8	aliasing & zero-order holds
25	12/4	R	6.1, 6.2			Laplace Transform
26	12/9	T	6.3-6.6		PS9	Unilateral Laplace Transform
27	12/11	R				