

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	06/01	Introduction	I	B-B.		
2	06/01	Discrete time signals		B-B.		
3	07/01	Discrete time sequences.		B-B.		
4	09/01	linear shift invariant systems.		B-B.		
5	10/01	stability and causality		B-B.		
6	11/01	linear constant coefficient difference equations		B-B.		
7	16/01	Frequency domain representation of discrete time signal and systems.		B-B.		
8	17/01	discrete time signal and systems.		B-B.		
9	18/01	Discrete time signal		B-B.		
10	20/01	systems.		B-B.		
11	21/01	properties of DFS	II	B-B.		
12	23/01	DFS representation of periodic sequences		B-B.		
13	24/01	periodic sequences.		B-B.		
14	25/01	Discrete fourier transforms.		B-B.		
15	27/01	properties of DFT		B-B.		
16	28/01	linear convolution of sequences using DFT		B-B.		
17	30/01	linear convolution		B-B.		
18	31/01	computation of DFT.		B-B.		
19	01/02	Relation b/w Z and DFS.		B-B.		
20	03/02	FFT	III	B-B.		

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01/02	06/02	Radix-2 Decimation in time	III	B-B.		
22	07/02	Decimation in frequency.		B-B		
23	08/02	FFT Algorithms		B-B.		
24	10/02	FFT Algorithms.		B-B		
25	11/02	Inverse FFT.		B-B		
26	13/02	FFT composition		B-B		
27	14/02	FFT composition.		B-B		
28	15/02	Review of z-transforms.	IV	B-B		
29	17/02	Applications of z-transforms		B-B		
30	18/02	Solution of difference eqn. of digital filters.		B-B		
31	19/02	Difference eqn. of Digital filters.		B-B		
32	20/02	Difference eqn. of Digital filters.		B-B		
33	21/02	Block Diagram representation.		B-B		
34	22/02	Linear constant coefficient.		B-B		
35	24/02	Difference equations		B-B		
36	25/02	Basic structures of IIR systems.		B-B		
37	27/02	Transposed form		B-B		
38	28/02	Basic structures of FIR systems.		B-B		
39	01/03	System functions		B-B		
40	03/03	Analog filter Approximation	V	B-B.		

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41	04/03	Butterworth	<u>V</u>	B-B		
42	06/03	Chebyshev		B-B		
43	07/03	Design of IIR digital filters.		D-B		
44	08/03	Known Analog filters.		B-B		
45	10/03	Design Examples.		B-B		
46	11/03	Analog-Digital Transformations		B-B		
47	13/03	Characteristics of FIR Digital Filters.	<u>VI</u>	B-B		
48	14/03	Frequency Response		B-B		
49	15/03	Design of FIR Digital filters using		B-B		
50	17/03	Window Technique - LMS.		B-B		
51	18/03	Frequency Sampling Techniques.		B-B		
52	20/03	Comparison of IIR and FIR.		B-B		
53	21/03	Decimation	<u>VII</u>	B-B		
54	22/03	Interpolation		B-B		
55	24/03	Sampling rate Conversion		B-B		
56	25/03	Implementation of sampling rate conversion.		B-B		
57	27/03	Sampling Rate conversion.		B-B		
58	28/03	Multiplication & MAC	<u>VIII</u>	"		
59	29/03	Modified Bus Structure and memory Access		"		
60	31/03	Multipoint memory.		"		

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