

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	10/9	Introduction to Discrete time signals	I	BB	"	
2	11/9	Fourier series representation	"	"	"	
3	12/9	Fourier Transform of discrete time signals.	"	"	"	
4	13/9	Example : Amplitude and phase spectrum.	"	"	"	
5	13/9	frequency content and sampling rates	"	"	"	
6	18/9	Transfer function.	"	"	"	
7	19/9	Frequency response.	"	"	"	
8	20/9	practice problems.	"	"	"	
9	20/9	Random discrete time signals.	II	BB		
10	25/9	Review of probability Random data:	"	"	"	
11	26/9	Random moments and histograms.	"	"	"	
12	27/9	Generation and shaping of pseudo random noise.	"	"	"	
13	27/9	Filtered random signals.	"	"	"	
14	3/10	Autocorrelation and power spectral density.	"	"	"	
15	4/10	sampling band limited random signals.	"	"	"	
16	9/10	practice problems.	"	"	"	
17	9/10	optimum algorithms for detection of signals in noise.	(III)	BB		
18	10/10	minimum probability of error	"	"	"	
19	11/10	criterion 1 : Neyman Pearson Criterion for radar	"	"	"	
20	11/10	Applications to Air traffic control radar	"	"	"	

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21	17/10	Detection of constant and	"	"		
22	18/10	Noise - amplitude signals.	"	"		
23	18/10	Revision of 3rd Unit	"	"		
24	23/10	practice problems	"	"		
25	27/10	optimum algorithms for detection of	IV	BB		
26	28/10	signals in noise - 2.	"	"		
27	29/10	matched filters	"	"		
28	30/10	optimization formulation	"	"		
29	31/10	detection of Random signals.	"	"		
30	13/11	Simple problems there on with	"	"		
31	15/11	multisampling cases.	"	"		
32	20/11	Revision of 4th Unit	"	"		
33	21/11	Estimation of signals in noise -	V	BB		
34	22/11	Linear mean squared estimation	"	"		
35	22/11	Bayes estimator	"	"		
36	27/11	its Examples.	"	"		
37	28/11	Maximum likelihood	"	"		
38	4/12	estimate of parameters of linear system	"	"		
39	5/12	Revision of 8th unit	"	"		
40	11/12	practice problems	"	"		

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