

# LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	1/9/14	Unit-I Introduction to Signals & Systems	I	Black board		
2	3/9/14	Classification of signals	"	"		
3	4/9/14	Classification of signals	"	"		
4	5/9/14	Classification of systems	"	"		
5	8/9/14	Classification of systems	"	"		
6	9/9/14	Analogy b/w vectors & signals	"	"		
7	12/9/14	Orthogonal signal space	"	"		
8	12/9/14	Signal approximation using orthogonal functions	"	"		
9	15/9/14	Mean square error	"	"		
10	17/9/14	Closed (or) complete set of orthogonal functions	"	"		
11	18/9/14	Orthogonality in Complex functions	"	"		
12	19/9/14	Exponential & Sinusoidal functions	"	"		
13	23/9/14	Properties of elementary signals	"	"		
14	24/9/14	Basic operations on signals.	"	"		
15	25/9/14	Unit-II Representation of Fourier Series	II	"		
16	26/9/14	C.T. Periodic signals	"	"		
17	6/10/14	Properties of F.S.	"	"		
18	8/10/14	Properties of F.S.	"	"		
19	9/10/14	Dirichlet's conditions Introduction to T.F.S.	"	"		
20	10/10/14	Trigonometric Fourier Series	"	"		

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21	23/10/14	Exponential F.S.	II	Black-board		
22	29/10/14	Exponential F.S.	"	"		
23	30/10/14	Complex Fourier Spectrum	"	"		
24	31/10/14	Deriving F.T. from F.S. F.T. of arbitrary signals	"	"		
25	3/11/14	F.T. of standard signals	"	"		
26	5/11/14	properties of F.T.	"	"		
27	6/11/14	properties of F.T.	"	"		
28	7/11/14	F.T. of periodic signals	"	"		
29	10/11/14	<sup>UNIT-III</sup> Representation of C.T. signals in terms of Impulses	III	"		
30	12/11/14	LTI & LTV systems	"	"		
31	13/11/14	Unit impulse response	"	"		
32	14/11/14	conv integral representations of LTI systems	"	"		
33	17/11/14	T.F. of LTI system	"	"		
34	19/11/14	Filter characteristics of linear systems	"	"		
35	20/11/14	Filter characteristics of linear systems	"	"		
36	21/11/14	Distortionless Tx through a system	"	"		
37	24/11/14	signal Bandwidth & system bandwidth	"	"		
38	26/11/14	ideal LPF, HPF, BPF characteristics	"	"		
39	27/11/14	Causality & pole-zero criterion.	"	"		
40	28/11/14	<sup>UNIT-IV</sup> Concept of Convolution	IV	"		



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Period	Date (Tentative)	Topic	Unit No	Teaching Methodology	Remarks	Extraordinary Notes
41	1/12/14	Concept of Correlation in time domain	IV	Black board		
42	3/12/14	Concept of conv & correlation in freq domain	"	"		
43	4/12/14	Cross correlation problems	"	"		
44	5/12/14	Auto correlation	"	"		
45	8/12/14	Energy density spectrum	"	"		
46	10/12/14	Power density spectrum	"	"		
47	11/12/14	Properties of correlation	"	"		
48	12/12/14	Properties of correlation	"	"		
49	18/12/14	Sampling theorem	"	PPS		
50	17/12/14	Impulse Sampling	"	"		
51	18/12/14	Natural sampling	"	"		
52	19/12/14	Flat top sampling	"	"		
53	22/12/14	Reconstruction of signal from its samples	"	"		
54	24/12/14	effect of undersampling — Aliasing	"	"		
55	25/12/14	problems on nyquist rate & nyquist interval	"	Black board		
56	26/12/14	UNIT-V. Review of L.T.	V	"		
57	29/12/14	L.T. of typical signals	"	"		
58	31/12/14	L.T. of typical signals	"	"		
59	2/1/15	properties of L.T.	"	"		
60	5/1/15	properties of L.T.	"	"		

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