

# LESSON PLAN

Period	Date (tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	27/6/16	Unit-1 Introduction to signals & systems	I	Blackboard		
2	29/6/16	Introduction to signals & systems	"	"		
3	30/6/16	classification of signals	"	"		
4	30/6/16	classification of systems	"	"		
5	4/7/16	Basic operations on signals	"	"		
6	6/7/16	Analogy b/w vectors & signals.	"	"		
7	7/7/16	Orthogonal signal space, signal approximation.	"	"		
8	7/7/16	mean square Error closed set of orthogonal fns	"	"		
9	11/7/16	orthogonality in complex fns	"	"		
10	13/7/16	Exponential & sinusoidal signals	"	"		
11	14/7/16	properties of elementary signals	"	"		
12	14/7/16	properties of elementary signals	"	"		
13	18/7/16	Representation of Fourier series	II	"		
14	20/7/16	C.T. periodic signals	"	"		
15	21/7/16	properties of F.S.	"	"		
16	21/7/16	properties of F.S Dirichlet's cond.	"	"		
17	<del>25</del> 1/8/16	T.F.S.	"	"		
18	<del>25</del> 3/8/16	T.F.S.	"	"		
19	20/4/8/16	E.F.S, C.F.S.	"	"		
20	<del>28</del> 4/8/16	Complex Fourier spectrum	"	"		

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21	8/8/16	Deriving F.T from F.S.	III	Blackboard		
22	15/8/16	F.T. of arbitrary signals	"	"		
23	18/8/16	F.T. of standard signals.	"	"		
24	18/8/16	Properties of F.T	"	"		
25	22/8/16	Properties of F.T	"	"		
26	24/8/16	F.T. of periodic signals	"	"		
27	25/8/16	Representation of C.T signals in terms of impulses	III	"		
28	25/8/16	LTI & LTV systems	"	"		
29	29/8/16	Unit impulse response & Conv. integral representation of LTI sys	"	"		
30	31/8/16	T.F. of LTI system & other characteristics of linear sys.	"	"		
31	1/9/16	Distortionless TX & Signal B.W. & sys B.W.	"	"		
32	1/9/16	ideal LPF, HPF char	"	"		
33	7/9/16	BPF, BRF characteristics	"	"		
34	8/9/16	causality	"	"		
35	8/9/16	Polywainor criterion	"	"		
36	12/9/16	Concept of convolution	IV	"		
37	14/9/16	Concept of correlation	"	"		
38	15/9/16	in freq domain	"	"		
39	15/9/16	Cross Correlation	"	"		
40	19/9/16	auto correlation	"	"		

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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
41	26/9/16	energy spectrum	"	Blackboard		
42	28/9/16	power density spectrum	"	"		
43	29/9/16	properties of correlation	"	"		
44	29/9/16	properties of correlation	"	"		
45	3/10/16	problems	"	"		
46	5/10/16	problems	"	"		
47	6/10/16	Sampling theorem	"	PPT		?
48	6/10/16	Impulse sampling	"	"		
49	13/10/16	Natural & flat-top sampling	"	"		
50	13/10/16	Reconstruction of signals	"	"		
51	17/10/16	Aliasing	"	"		
52	19/10/16	Review of L.T	V	Blackboard		
53	20/10/16	L.T. of typical signals	"	"		
54	20/10/16	Properties of L.T	"	"		
55	24/10/16	Properties of L.T	"	"		
56	26/10/16	Relation b/w L.T & F.T.	"	"		
57	27/10/16	ROC	"	"		
58	27/10/16	Constraints on ROC Inverse L.T	"	"		
59	31/10/16	Introduction to Z.T	"	"		
60	2/11/16	Problems on Z.T	"	"		

