

# LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	26/2	Switched capacitor ccts - Inductors	I	BB		
2	28/2	Introduction to	"	BB		
3	1/3	switched capacitor	"	BB		
4	2/3	circuits				
5						
6	5/3	Basic	"	"		
7	6/3	Building blocks	"	"		
8	8/3	operation &	"	PPT		
9	9/3	Analysis	"	PPT		
10						
11	12/3	Non Ideal Effects	II	BB		
12	13/3	in switched capacitor ccts.	"	PPT		
13	15/3	switched capacitor	"	BB		
14	16/3	Integrators	"	PPT		
15						
16	19/3	First order filters	"	BB		
17	20/3	switching	"	BB		
18	22/3		"	BB		
19	23/3	Biquad filter	"	PPT		
20						

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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
30	30/4	Data converter fundamentals	IV	BD		
31	1/5		"	"		
32	3/5	DC & Dynamic specifications	"	"		
33	4/5		"	PPT		
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34	4/6	Quantization	"	BD		
35	5/6	Noise	"	"		
36	7/6	Nyquist rate	"	"		
37	8/6	D/A Converters	"	PPT		
38	11/6	Decoder Based Converters	"	BD		
39	12/6		"	"		
40	14/6	Binary Scaled	"	"		
41	16/6	Converters	"	PPT		
42	18/6	Thermometer Code Converters	"	PPT		
43	19/6	Hybrid Converters	"	BD		
44	21/6	Nyquist A/D	<del>IV</del>	PPT		
45	22/6	Converters	"			

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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
46	25/6	Successive Approximation	"	BB		
47	26/6	converters, Flash converter.	"	PPT		
48	28/6	Two-Step A/D converter.	"	PPT		
49	29/6		"	BB		
50	2/7	Interpolating	"	video lecture		
51	3/7	A/D converters.	"	PPT		
52	4/7	Folding A/D converter.	"	BB		
53	6/7	Pipelined A/D converter.	"	PPT		
54	9/7	Time-interleaved converter.	"	video lecture		
55	10/7	oversampling converters.	$\sqrt{1}$	PPT		
56	12/7	Noise Shaping Modulators.	"	BB		
57	13/7	Decimating Filtering and interpolating filter.	"	PPT		
58	16/7	Higher order Modulators.	"	BB		
59	17/7	Delta sigma modulators	"	PPT		
60	19/7	with multibit quantizers.	"	PPT		
61	20/7	Delta sigma D/A	"	PPT		
		← 23/2/18 - 28/7/18 → ← End →				