

# LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	21/7/2015	Introduction to Linear ICs	I	Black Board & chalk		
2	23/7	Op-amp: Internal block diagram		"		
3	23/7	Differential amplifiers Types		"		
4	24/7	DC analysis		"		
5	28/7	AC analysis: Dual-2/p. Balanced o/p		"		
6	30/7	Dual-2/p. Unbalanced o/p		"		
7	30/7	Single 2/p. Bal. o/p		"		
8	31/7	Single 2/p. Unbalanced o/p		"		
9	4/8	Cascade differential amp.		"		
10	6/8	Level translator		"		
11	6/8	Revision		"		
12	7/8	ICs - types classification	II	"		
13	11/8	Package types and temp. ranges		"		
14	13/8	Op-amp block diagram Review		"		
15	13/8	Characteristics of op-amp Ideal		"		
16	14/8	Practical op-amp Specifications		"		
17	18/8	"		"		
18	20/8	"		"		
19	20/8	741 op-amp and its features		"		
20	21/8	"		"		

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21	25/8	op-amp Parameters and measurement		Black Board chalk		
22	27/8	"		"		
23	27/8	Frequency Compensation		"		
24	28/8	FET I/P OP-amp & Revision		"		
25	1/9	Linear applications of OP-amp	<u>III</u>	"		
26	3/9	Inverting and Non-inverting amplifier		"		
27	3/9	"		"		
28	4/9	Summing, Scaling & Averaging amplifier		"		
29	8/9	"		"		
30	10/9	Integrator		"		
31	11/9	Differentiator		"		
32	15/9	Difference amplifier		"		
33	17/9	Instrumentation amp.		"		
34	17/9	AC amplifier		"		
35	18/9	Comparators & Buffers		"		
36	20/9	Non-linear applications Multivibrators		"		
37	24/9	Triangular & Square Wave generator		"		
38	25/9	Log & antilog amp		"		
39	28/9	Precision rectifier Revision		"		

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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
40	1/10	Active Filters : Butterworth, Tchebyscheff	<u>IV</u>	Blackboard chalk		
41	1/10	HPF		,		
42	6/10	2 <sup>nd</sup> order LPF, HPF		,		
43	8/10	Band Pass filters		,		
44	9/10	Band reject filters all Pass filter		,		
45	13/10	DAC : Weighted resistor		,		
46	15/10	R-2R ladder, Successive R-2R ladder		,		
47	16/10	ADCs : Counter type Successive approx.		,		
48	28/10	Parallel Comparator Dual-slope		,		
49	23/10	Special cases		,		
50	27/10	555 functional diagram	<u>V</u>	,		
51	29/10	Monostable & Bistable		,		
52	3/11	Schmitt Trigger PLL : Introduction		,		
53	5/11	Block diagram		,		
54	6/11	Applications		,		
55	10/11	VCO Applications		,		
56	14/11	Four Quadrant Multiplier		,		
57	12/11	1496, Analog Switches		,		
58	13/11	S/H circuit Revision		,		

25/10/18