

2016-17 (I-~~km~~) III - ECE 'A' - LICA

## LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
		<u>Unit - I:</u>				
1	29-6-16	Introduction to LICA	<u>I</u>	CR		
2	30-6-16	Dual input balanced op diff amp. DC & AC analysis	<u>I</u>	"		
3	30-6-16	Dual input unbalanced op amp analysis	<u>I</u>	"		
4	1-7-16	Single input balanced op diff amp analysis	<u>I</u>	"		
5	4-7-16	Single input, unbalanced op diff amp analysis	<u>I</u>	"		
6	7-7-16	DC coupling and correlated diff amp	<u>I</u>	"		
7	7-7-16	Level Translator	<u>I</u>	"		
		<u>Unit - II:</u>				
8	8-7-16	Block diagram of op-amps	<u>II</u>	CR		
9	11-7-16	Types and characteristics of ICs	<u>II</u>	"		
10	14-7-16	Ideal op amp characteristics practical op-amp specifications	<u>II</u>	"		
11	14-7-16	DC characteristics:	<u>II</u>	"		
12	14-7-16	Input bias current Input offset current	<u>II</u>	"		
13	15-7-16	Input offset voltage thermal drift	<u>II</u>	"		
14	18-7-16	frequency response slew rate	<u>II</u>	"		
15	21-7-16	frequency compensation Techniques	<u>II</u>	"		
16	21-7-16	Comp. & P.S.R.P.	<u>II</u>	"		

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		<u>Unit - III :</u>	<u>III</u>			
17	22-7-16	Inverting op amp	<u>III</u>	CR		
18	1-8-16	difference amplifier	<u>III</u>	"		
19	4-8-16	Integrator & differentiator	<u>III</u>	"		
20	9-8-16	Instrumentation amplifier	<u>III</u>	"		
21	5-8-16	AC amplifiers buffers	<u>III</u>	"		
22	8-8-16	Vto $\pm$ $\Delta$ Zto V Converters	<u>III</u>	"		
23	14-8-16	Non linear devices	<u>III</u>	"		
24	18-8-16	Comparators	<u>III</u>	"		
25	19-8-16	Multivibrators	<u>III</u>	"		
26	22-8-16	Triangular & square wave generators	<u>III</u>	"		
27	26-8-16	Log & antilog amplifiers	<u>III</u>	"		
28	29-8-16	Precision rectifier	<u>III</u>	"		
		<u>Unit - IV :</u>				
29	1-9-16	1st order LAF, HAF	<u>IV</u>	CR		
30	1-9-16	2nd order LAF	<u>IV</u>	"		
31	2-9-16	2nd order HAF	<u>IV</u>	"		
32	5-9-16	Band pass & band reject filters	<u>IV</u>	"		
33	8-9-16	All pass filters	<u>IV</u>	"		
34	9-9-16	Basic DAC techniques	<u>IV</u>	"		

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34	15-9-16	weighted resistor & R-2R ladder DAC	IV	CA		
35	16-9-16	parallel capacitor ADC	IV	"		
36	16-9-16	Counter type ADC	IV	"		
37	19-9-16	SAR ADC	IV	"		
38	20-9-16	Dual slope ADC and ADC spec-ification	IV	"		
		unit-V:				
40	29-9-16	functional diagram of VSS	V	CA		
41	29-9-16	monostable multivibrator using VSS	V	"		
42	30-9-16	Applications	V	"		
43	30-10-16	Bistable multivibrator using VSS	V	"		
44	6-10-16	Applications	V	"		
45	6-10-16	Schmitt trigger	V	"		
46	7-10-16	Block diagram of RL	V	"		
47	10-10-16	Applications of RL	V	"		
48	15-10-16	Applications of VCO (555)	V	"		
49	12-10-16	Four quadrant multiplier	V	"		
50	14-10-16	Integrated multiplier IC 1496	V	"		
51	19-10-16	Applications of analog multiplier & multipliers	V	"		
52	20-10-16	Sample & hold amplifiers	V	"		