

LESSON PLAN				
Periods	Date (Tentative)	Topic	Unit No	Teaching Methodology
1	12.06.17	Introduction: Introduction to integrated circuits, Differential Amplifier.	Unit I	PPT
2	15.06.17	DC and AC analysis of dual input and balanced output configuration		Chalk & Board
4	17.06.17	Properties of other differential amplifier configuration (dual Input unbalanced output)		Chalk & Board
5	19.06.17	Single ended input – balanced/unbalanced output		Chalk & Board
7	23.06.17	DC coupling and cascade differential amplifier stages		Chalk & Board
9	29.06.17	Level translator,		Chalk & Board
10	30.06.17	Characteristics of OP-amps		PPT
11	01.07.17	Integrated circuits – types, Classification,	Unit II	PPT
12	10.07.17	Package types and temperature ranges, Op-amp block diagram		PPT
13	13.07.17	ideal and practical Op-amp specifications		PPT
14	14.07.17	DC characteristics,		Chalk & Board
15	15.07.17	AC characteristics		Chalk & Board
16	17.07.17	741 op-amp & its features		PPT
17	24.07.17	FET input Op-amps		Chalk & Board
18	27.07.17	Op-amp parameters and measurement	Unit III	Chalk & Board
19	28.07.17	Frequency compensation technique		Chalk & Board
20	29.07.17	Linear applications of Op-amps: Inverting and non-inverting amplifier		Chalk & Board
21	31.07.17	Integrator and differentiator, difference amplifier		Chalk & Board
22	03.08.17	Instrumentation amplifier		Chalk & Board
23	04.08.17	AC amplifier		Chalk & Board
24	05.08.17	V to I, I to V converters, buffers		Chalk & Board
25	07.08.17	Non-linear applications of Op-amps: Non-linear function generation	Unit III	Chalk & Board
26	10.08.17	Comparators		Chalk & Board
27	11.08.17	Multivibrators		Chalk & Board
28	12.08.17	Triangular and square wave generators, log and anti log amplifiers		Chalk & Board
29	17.08.17	Precision rectifiers.		Chalk & Board
30	18.08.17	Active Filters: Introduction		Chalk & Board
31	19.08.17	Butterworth filters – 1st order, 2nd order LPF, HPF filters		Chalk & Board

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32	21.08.17	Band pass, Band reject and all pass filters.	Unit IV	Chalk & Board	
33	24.08.17	D to A and A to D converters: Introduction basic DAC techniques		Chalk & Board	
34	26.08.17	Weighted resistor DAC. R-2R ladder DAC,		Chalk & Board	
35	28.08.17	inverted R-2R DAC,		Chalk & Board	
36	04.09.17	Different types of ADCs: parallel comparator, counter type		Chalk & Board	
37	07.09.17	Successive approximation and dual slope ADCs		Chalk & Board	
38	08.09.17	DAC and ADC Specifications, Specifications of ADC 574, DAC 1408.	Unit V	Chalk & Board	
39	09.09.17	Timers and Phase Locked Loops: Introduction to 555 timer, functional diagram		PPT	
40	11.09.17	Monostable and astable operations and applications		PPT	
41	14.09.17	Schmitt Trigger.		Chalk & Board	
42	15.09.17	PLL - introduction, block schematic		PPT	
43	16.09.17	Principles and description of individual blocks		Chalk & Board	
44	18.09.17	565 PLL		Chalk & Board	
45	21.09.17	Applications of PLL - frequency multiplication,		Chalk & Board	
46	22.09.17	Frequency translation		PPT	
47	23.09.17	AM, FM and FSK demodulators		Chalk & Board	
48	25.09.17	Applications of VCO (566).		Chalk & Board	
49	05.10.17	Analog Multipliers and Modulators: Four quadrant multiplier		Chalk & Board	
50	06.10.17	balanced modulator, IC1496		Chalk & Board	
51	07.10.17	applications of analog switches and multiplexers		Chalk & Board	
52	09.10.17	sample and hold amplifiers		Chalk & Board	

Signature of the faculty

Signature of HOD/ECE