

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	2.2.2018	Introduction to Communication Systems	I	board & chalk		
2	3.2	"		"		
3	4.2	Definition of Modulation & Need		"		
4	6.2	"		"		
5	9.2	classification		"		
6	10.2	AM: Time domain representation		"		
7	11.2	Related Problem Solving		"		
8	13.2	Single tone and Multi tone signals		"		
9	16.2	Power Relations Problem Solving		"		
10	17	Current Relations Problem Solving		"		
11	18	AM: Generation		"		
12	20.2	"		"		
13	23.2	Detection of AM		"		
14	24	Revision		"		
15	25	DSBSC: Time domain & freq. domain description	II	"		
16	27	Generation		"		
17	2.3	Detection		"		
18	3.3	COSTAS loop		"		
19	4	SSB: Freq. domain description, Freq. domain Modulation		"		
20	6	"		"		

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21	23.3	Time domain demodulation Phase discrimination		Board & chalk		
22	24.3	Demodulation of SSB		"		
23	25.3	Revision		"		
24	27.3	Revision		"		
25	30.3	VSB		"		
26	31.3	Comparison & Applications of AM		"		
27	1.4	Angle Modulation: Basic Concepts	<u>III</u>	"		
28	6.4	Spectral analysis		"		
29	7.4	Difference b/w FM & PM		"		
30	10.4	NBFM, WBFM, Power		"		
31	13.4	Transmission BW		"		
32	15.4	Generation: Direct Method		"		
33	17.4	Indirect Method		"		
34	20.4	Detection of FM: Balanced FM demod.		"		
35	21.	Zero crossing detector PLL		"		
36	22.	PLL Continued		"		
37	27.4	Comparison of FM & AM		"		
38	29.4	FDM, TDM		"		
39	1.5	Comparison		"		
40	18.5	Transmitter: classification	<u>IV</u>	"		

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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
41	20.5	AM Tx, effect of feedback		Broad & chalk		
42	22.5	Revision		"		
43	25.5	FM Tx: Variable reactance modulator		"		
44	27.5	Phase modulated type FM Tx		"		
45	29.5	Frequency stability in FM Tx		"		
46	1.6	Receiver: Classification TRF & Superheterodyne		"		
47	3.6	"		"		
48	5.6	Tracking & Alignment		"		
49	8.6	IF, AGC		"		
50	9.6	Communication Rx		"		
51	12.6	FM Receiver Components		"		
52	15.6	Pulse Modulation Types	<u>V</u>	"		
53	17.6	PAM: Generation & demodulation		"		
54	19.6	PWM & PPM: Generation & demodulation		"		
55	22.6	Noise: SNR AM Rx Model: coherent recep.		"		
56	23.6	Envelope detection FM receiver model		"		
57	24.6	Pre-emphasis & De-emphasis		"		
58	26.6.2015	Revision		"		

2/10/15