LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	19/3/14	Review of vector calculus		?		
2	20/3	Review of Co-ordinate system				
3	21/3	"				
4	24/3	Electrostatics Coulomb's law	2			
5	"	E due to point charge	"			
6	26/3	E due to LC	"			
7	27/3	E due to CS	"			
8	28/3	E due to CV	"			
9	2/4	Electric flux density D	"			
10	3/4	Gauss law & applications	"			
11	4/4	V, E & V relations	"			
12	7/4	Maxwell 1st equation	"			
13	"	Energy density	"			
14	9/4	Convection & Conduction Currents	"			
15	10/4	E, linear isotropic, homogeneous mediums	"			
16	16/4	Continuity equation	"			
17	17/4	Poisson & Laplace equations	"			
18	21/4	Capacitance - problems	"			
19	"	Magnetostatics Biot-Savarts law	II			
20	23/4	Ampere's ckt law & applications	"			

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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Actic Upon Review
21	24/4	B (magn flux density).	III	?		
22	25/4	Maxwells formulations	"			
23	28/4	mag scalar & vector potentials	"			
24	"	Forces due to mag fields	"			
25	30/4	Ampere's force law	"			
26	1/5	Inductances of mag Energy problems	"			
27	2/5	Faradays law	III			
28	2/6	Transformer emf	"			
29	"	Inconsistancy of Amp's law	"			
30	4/6	Displacement current density	"			
31	5/6	max wells equations	"			
32	6/6	Boundary Conditions of Electrostatic fields	"			
33	9/6	Boundary Conditions of magnetostatic fields	"			
34	12/6	EM wave char- I different mediums	IV			
35	16/6	wave Equations	"			
36	"	uniform plane waves	"			
37	18/6	Wave propagation in different mediums	"			
38	19/6	Conductors & dielectrics characterization	"			
39	20/6	Good Conductors, Good dielectrics	"			
40	23/6	Polarization, problems	"			

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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
41	23/6	Emission Class-II Reflection & Refraction	V	?		
42	25/6	Normal incidence	4			
43	26/6	Oblique incidence	4			
44	27/6	θ_{Bw}, θ_{crit}, total internal reflection	4			
45	30/6	Surface impedance	4			
46	30/6	Poynting vector & poynting theorem	4			
47	2/7	Power loss, problems	4			
48	3/7	Guided waves Parallel plane waveguide	VI			
49	4/7	TE waves	4			
50	7/7	TM waves	4			
51	11	TEM waves	4			
52	9/7	TE, TM, TEM characteristics	4			
53	10/7	f_c, v_p, v_g, λ_c wave impedance	4			
54	11/7	Attenuation factor problems	4			
55	14/7	TL-I Types, parameters	VII			
56	11	TL equations	4			
57	16/7	Primary & Secondary Constants	4			
58	17/7	Characteristic impedance	4			
59	18/7	Propagation const γ, v_p, v_g	4			
60	21/7	Infinite line concepts Lossless / lossless lines	4			

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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
61	21/7	Distortion, attenuation, Loading Concepts	VII	?		
62	23/7	TL-II Input impedance concepts	VIII			
63	24/7	SC & OC Lines	4			
64	25/7	Reflection Coefficient VSWR, UHF Lines	4			
65	28/7	$\lambda/4, \lambda/2$ 1&2 Lines	4			
66	31/7	Smith chart Stub matching concepts	4			7/9/19