

2013-2014, II BCE-A, EMWTL, II Sem.

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	17/5/14	Review of co-sine law	I	CP		
2	20/5/14	Review of co-sine law	"	"		
3	21/5/14	vector calculus	"	"		
4	21/5/14	Vector calculus	"	"		
5	24/5/14	Coulomb's law	"	"		
6	30/5/14	Electric field Intensity	"	"		
7	27/5/14	EFI due to charge distribution	"	"		
8	28/5/14	EFD due to charge distribution	"	"		
9	28/5/14	Gauss's law and its application	"	"		
10	2/6/14	Gauss law and its application	"	"		
11	3/6/14	Electric potential	"	"		
12	4/6/14	Relationship B and V	"	"		
13	4/6/14	Maxwell two equations	"	"		
14	7/6/14	Energy density	"	"		
15	9/6/14	Convection & conduction current	"	"		
16	10/6/14	Dielectrics	"	"		
17	11/6/14	potential and Laplace	"	"		
18	11/6/14	Capacitors in parallel, series and combination	"	"		
19	14/6/14	problems on capacitors	"	"		
20	16/6/14	problems on capacitors	"	"		

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21	17/6/14	Post-savant law	II			
22	18/6/14	Ampere's circuit law	"			
23	18/6/14	Magnetic flux density	"			
24	1/5/14	Maxwell two equations for static fields	"			
25	2/5/14	Magnetic scalar potential	"			
26	2/5/14	Forces due to magnetic field	"			
27	2/6/14	Dielectric-Dielectric permittivity	"			
28	4/6/14	Dielectric-Conductivity	"			
29	5/6/14	Faraday's law	III			
30	6/6/14	Transformer emf	"			
31	6/6/14	Ampere's law	"			
32	9/6/14	Displacement current	"			
33	11/6/14	Maxwell equations in differential form	"			
34	12/6/14	Conductivity at a low	"			
35	12/6/14	Dielectric-Dielectric	"			
36	13/6/14	Relationship between Dielectric and Conductivity	"			
37	16/6/14	wave equation for conductors & dielectrics	IV			
38	16/6/14	Uniform plane wave	"			
39	19/6/14	Relationship B & H	"			
40	20/6/14	wave propagation in lossy media	"			

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41	24/6/14	Conductor & Dielectric	IV	CR		
42	25/6/14	wave propagation in guide	"	"		
43	25/6/14	wave propagation in guide	"	"		
44	26/6/14	Reflection & Refraction	"	"		
45	27/6/14	Reflection & Refraction of plane wave	V	"		
46	27/6/14	Normal & oblique incidence	"	"		
47	30/6/14	Normal & oblique incidence: perfect conductor	"	"		
48	2/7/14	Phase shift angle	"	"		
49	3/7/14	critical angle & total reflection	"	"		
50	4/7/14	Surface Impedance	"	"		
51	4/7/14	pointing vector the	"	"		
52	7/7/14	parallel & transverse	"	"		
53	9/7/14	Introduction to Guided wave	VI	"		
54	10/7/14	TE, TM, TEM wave	"	"		
55	11/7/14	Cut off freq, velocity	"	"		
56	11/7/14	wave impedance	"	"		
57	14/7/14	Attenuation factor	"	"		
58	16/7/14	Problems on above	"	"		
59	17/7/14	Types	VII	"		
60	18/7/14	parameters	"	"		

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Period	Date Tentative	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
61	18/7/14	Primary & Secondary wave	VI	CR		
62	21/7/14	Characteristics of wave	"	"		
63	23/7/14	Propagation in waveguide	"	"		
64	24/7/14	prop & wave impedance	"	"		
65	25/7/14	losses & lossy lines	"	"		
66	25/7/14	Types of lossy lines	"	"		
67	26/7/14	Short circuit line	VIII	"		
68	27/7/14	open circuit line	"	"		
69	31/7/14	SWR, VSWR lines	"	"		
70	1/8/14	Smith chart and its use	"	"		
71	1/8/14	Angle, SWR, reflection coefficient	"	"		