

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	1/12/14	Cellular mobile Radio System	<u>I</u>	B.B		
		Introduction				
2	2/12/14	Performance Criteria		B.B		
3	3/12/14	Uniqueness of mobile radio environment		B.B		
4	4/12/14	Operation of Cellular Systems		B.B		
5	5/12/14	Hexagonal shaped cells		B.B		
6	6/12/14	Analog Cellular Systems		B.B		
7	9/12/14	Digital Cellular Systems		B.B		
8	10/12/14	Elements of Cellular Radio System Design	<u>II</u>	B.B		
		Introduction				
9	11/12/14	General description of the problem		B.B		
10	12/12/14	Concept of frequency channels		B.B		

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11	15/11/14	Co-channel interference reduction factor		B.B		
12	16/11/14	Desired C/I from a normal case in a omnidirectional Antenna system		B.B		
13	17/11/14	Cell Splitting		B.B		
14	18/11/14	Consideration of the Components of the Cellular system		B.B		
15	19/11/14	Interference	III	B.B		
		Introduction to Co-channel interference				
16	22/11/14	Co-channel interference		B.B		
17	23/11/14	real time Cochannel interference		B.B		
18	24/11/14	Co-channel measurement		B.B		
19	26/11/14	Design of Antenna system		B.B		
20	29/11/14	Antenna parameters and their effects		B.B		

LESSON PLAN

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21	20/12/14	Diversity Receiver		B.B		
22	31/12/14	Non-cochannel interference		B.B		
23	1/01/15	Different types of non-cochannel interference		B.B		
24	2/01/15					
25	7/01/15	Cell Coverage for Signal And Traffic	IV	B.B		
		Introduction				
26	5/01/15	Signal Reflections in flat and hilly terrain		B.B		
27	6/01/15	Effect of human made structures		B.B		
28	3/02/15	Phase difference between direct and reflected paths		B.B		
29	08/01/15	Constant standard deviation		B.B		
30	9/02/15	Straight line path loss slope		B.B		

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31	19/01/15	General formula for mobile propagation over water and flat open near and		B.B		
32	20/01/15	Near and long distance propagation antenna height gain		B.B		
33	21/01/15	Form of a point to point model		B.B		
34	22/01/15	CELL SITE AND MOBILE ANTENNAS	V	B.B		
		Introduction				
35	23/01/15	Sum and difference patterns and their synthesis		B.B		
36	02/02/15	Omnidirectional antennas		B.B		
37	03/02/15	Directional antennas for interference reduction		B.B		
38	04/02/15	Space diversity antenna		B.B		
39	05/02/15	Umbrella pattern antennas		B.B		
40	06/02/15	Minimum separation of cell site antennas		B.B		

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41	09/02/15	High gain antennas		B.B		
42	10/02/15	Frequency Management and Channel Assignment	<u>VI</u>	B.B		
43	11/02/15	Introduction, Numbering and grouping		B.B		
44	12/02/15	Set up access to cell sites		B.B		
45	13/02/15	Paging channels, channel assignments to mobile units		B.B		
46	14/02/15	Channel Sharing		B.B		
47	17/02/15	Channel borrowing		B.B		
48	18/02/15	Sectorization		B.B		
49	19/02/15	Overlaid cells		B.B		
50	20/02/15	Nonfixed channel Assignment		B.B		
51	23/02/15	Handoff	<u>VII</u>	B.B		
52	24/02/15	Dropped calls		B.B		
53	25/02/15	Cell splitting		B.B		
54	1/03/15	Types of handoff		B.B		
55	3/03/15	handoff invitation		B.B		
56	04/03/15	Delaying handoff		B.B		
57	05/03/15	forced handoff		B.B		

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58	06/3/15	mobile assigned handoff		B-B		
59	09/03/15	Inter-system handoff		B-B		
60	10/3/15	Cell splitting		B-B		
61	11/3/15	Microcells		B-B		
62	12/3/15	Vehicle locating methods		B-B		
63	13/3/15	Dropped call rates and their evaluation		B-B		
64	16/3/15	Digital Cellular Networks	<u>VIII</u>	B-B		
65	19/3/15	GSM architecture		B-B		
66	18/3/15	GSM channels		B-B		
67	19/3/15	"		B-B		
68	20/3/15	"		B-B		
69	23/3/15	Multiplex access Scheme		B-B		
70	24/3/15	TDMA		B-B		
71	25/3/15	CDMA		B-B		
72	26/03/15	Revision		B		
73	27/03/15	Revision				