

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	12/2/14	Evolution of optical system elements of an optical fiber & link.	I	BB		
2	13/2/14	Advantages & applications	I		(Approved by: AICTE, Accredited by: NBA, Affiliated to JNTU, Karimnagar)	
3	14/2/14	Structures, waveguiding	I	"		
4	15/2/14	Nature of light, laws & definitions	I	"		
5	20/2/14	} Nodes & Configurations (Fibre types, rays & modes, SI, etc.)	I	"		
6	21/2/14		I			
7	22/2/14		I			
8	25/2/14		I	"		
9	27/2/14		I	"		
10	28/2/14	LEDs, Structures	II	"		
11	1/3/14	Quantum Efficiency, Modulation Capability	II	"		
12	5/3/14	Laser diodes & threshold Conditions	II	"		
13	6/3/14	External quantum Efficiency	II	"		
14	7/3/14	Resonant frequencies, Problems	II	"		
15	8/3/14	Laser diode structures	II	"		
16	12/3/14	Radiation pattern	II	"		
17	13/3/14	Problems	II	"		
18	14/3/14	Temperature effects Reliability	II	"		
19	15/3/14	} Physical principle of Photodiodes (Bias of diodes)	III	"		
20	20/3/14		III	"		

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21	21/3/14	Pin photodiode	<u>III</u>	BB		
22	22/3/14	Avalanche photodiode	<u>III</u>	..		
23	22/3/14	Comparison of photo diodes	<u>III</u>	..		
24	24/3/14	} noise in detectors	<u>III</u>	..		
25	29/3/14		<u>III</u>	..		
26	3/4/14	Problems	<u>IV</u>	..		
27	4/4/14	} Fabrication (methods)	<u>IV</u>	..		
28	5/4/14		<u>IV</u>	..		
29	12/4/14	Fibre optic cables	<u>IV</u>	..		
30	18/4/14	2 data sheets	<u>IV</u>	..		
31	19/4/14	Installation	<u>IV</u>	..		
32	24/4/14	Block diagram of CS	<u>IV</u>	..		
33	25/4/14	Direct Intensity Modulation	<u>IV</u>	..		
34	26/4/14	DCS, laser semiconductor transmitter	<u>IV</u>	..		
35	1/5/14	Generations of OFL, & Mb/s OFCL	<u>IV</u>	..		
36	2/5/14	2.5 Gb/s OFCL	<u>IV</u>	..		
37	3/5/14	Problems	<u>IV</u>	..		
38	24/5/14	Overview of Fibre optic networks	<u>IV</u>	..		
39	23/5/14	Transmitter	<u>IV</u>	..		
40	24/5/14	Optical amplifiers	<u>IV</u>	..		

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