

# Department of Civil Engineering

II B.Tech I SEM, SURVEYING, 2013-14

## LESSON PLAN M.VASUDEVA NAIDU

Period	date	Topic	Unit no.	Teaching methodology	Cumulative periods
6,7	9.11.2013	Overview of surveying	1	CR	2
3,4	11.11.2013	Overview of chain surveying	1	CR	4
1	12.11.2013	Overview of chain surveying	1	CR	5
6,7	13.11.2013	Overview of compass surveying	1	CR	7
3,4	15.11.2013	Overview of compass surveying	1	CR	9
1	16.11.2013	Overview of plane table surveying	1	CR	10
6,7	18.11.2013	Overview of plane table surveying	1	CR	11
3,4	19.11.2013	Objectives, principles and classification	1	CR	13
1	20.11.2013	Classification of surveying	1	CR	14
6,7	22.11.2013	Distance measurements conventions	2	CR	16
3,4	23.11.2013	methods	2	CR	18
1	25.11.2013	Uses of chain and tape	2	CR	19
6,7	26.11.2013	EDM	2	CR	21
3,4	27.11.2013	Meridians, Azimuths and Bearings	2	CR	23
1	30.11.2013	declination, computation of angle	2	CR	24
3,4	2.12.2013	Concepts and terminology	2	CR	26
6,7	3.12.2013	Temporary and permanent adjustments	2	CR	28
1	4.12.2013	Characteristics and uses of contours	3	CR	29
3,4	6.12.2013	Methods of conducting surveys	3	CR	31
6,7	10.12.2013	And their plotting	3	CR	33
1	11.12.2013	Area from field notes	4	CR	34
6,7	13.12.2013	Computation of area along regular boundaries	4	CR	36
1	14.12.2013	Embankment and cutting for a level sector with	4	CR	37
1	15.12.2013	and without traverse slopes		CR	
6,7	16.12.2013	Embankment and cutting for a two level sector with and without traverse slopes	4	CR	39
3,4	17.12.2013	Determination of capacity of reservoir	4	CR	41
1	18.12.2013	Volume of borrow pits	4	CR	42

6,7	19.12.2013	Theodolite description and uses	5	CR	44
3,4	21.12.2013	Adjustments temporary and permanent	5	CR	46
1	30.12.2013	measurement of horizontal angles,	5	CR	47
	31.12.2013	measurement of vertical angles	5		
6,7	3.1.2014	Principle of electronic theodolite	5	CR	49
3,4	6.1.2014	Trigonometric levelling	5	CR	51
1	7.1.2014	traversing	5	CR	52
6,7	11.1.2014	Stadia method of tacheometry	6	CR	54
3,4	13.12.2014	Tangential method	6	CR	56
1	14.1.2014	Distance and elevation formulae for staff vertical position	6	CR	57
6,7	15.1.2014	Curves: Types of curves	7	CR	59
3,4	18.1.2014	design and setting out	7	CR	61
1	20.12.2014	design and setting out	7	CR	62
6,7	22.1.2014	design and setting out – simple CURVE	7	CR	64
3,4	24.1.2014	Design and setting out –compound curves.	7	CR	66
1	25.1.2014	Introduction to geodetic surveying	8	CR	67
6,7	28.12.2014	Total station,	8	CR	69
3,4	29.1.2014	GPS	8	CR	71
1	31.1.2014	TOTAL STATION	8	CR	72
6,7	3.2.2014	GPS	8	CR	74
3,4	8.2.2014	GIS	8	CR	76
1	17.2.2014	GIS	8	CR	77
6,7	19.2.2014	REVISION		CR	79
3,4	21.2.2014	REVISION		CR	81
1	22.2.2014	REVISION		CR	82

NOTE: C.R- Class Room Teaching (Black board, PPT)

M. Van  
Signa