

LESSON PLAN

DEPARTMENT OF CIVIL ENGINEERING, ITT, CHOUDWAR

SUBJECT-LAND SURVEY PRACTICE-II

Periods: 5 per week

SEMESTER: 6TH

NAME OF INSTRUCTOR-BHAGYASHREE DAS

Week	Class Day	Theory / Practical Topics
1st	1 st	Determination of height of 3 objects whose bases are accessible
	2 nd	Determination of stadia constants
2 nd	1 st	Determination of horizontal distance and elevation with Staff vertical, by stadia method
	2 nd	Determination of horizontal distance and elevation with Staff vertical, by stadia method
3 rd	1 st	Setting out a simple circular curve by offsets from long chord
	2 nd	Setting out a simple circular curve by offsets from the tangent
4 th	1 st	Setting out a simple circular curve by offsets from chords produces
	2 nd	Setting out a simple circular curve by Rankine's method of tangent angle (Deflection angles)
5 th	1 st	Setting out a site the center line and foundation width of a building from the given plan
	2 nd	Setting out the foundation line for a culvert
6 th	1 st	Dividing an area into plots of given size
	2 nd	STUDY OF MAP AND MAP SERIES, Physical Map, Topographic Map
7 th	1 st	Road Map, Political Map
	2 nd	Economic & Resources Map, Thematic Map
8 th	1 st	Climate Map, Open Series map and Defense Series Map
	2 nd	GPS: - Global Positioning, GPS Signals, Errors of GPS, Positioning Methods
9 th	1 st	DGPS: - Differential Global Positioning System, Base Station Setup, Rover GPS Set up
		Download, Post-Process and Export GPS data

	2 nd	
10 th	1 st	Sequence to download GPS data from flashcard, Sequence to Post-Process GPS data
	2 nd	Sequence to export post process GPS data, Sequence to export GPS Time tags to file
11 th	1 st	ETS: - Electronic Total Station, Distance Measurement
	2 nd	Angle Measurement, Leveling
12 th	1 st	Leveling ,Determining position
	2 nd	Reference network, Errors and Accuracy
13 th	1 st	Components of GIS, Integration of Spatial and Attribute Information, Three Views of Information System, Database or
	2 nd	Table View, Map View and Model View Spatial Data Model, Attribute Data Management and Metadata Concept
14 th	1 st	Prepare data and adding to Arc map, Organizing data as layers
	2 nd	Editing the layers, Switching to Layout View.
15 th	1 st	Change page orientation., Removing Borders
	2 nd	Adding and editing map information., Finalize the map