

LESSON PLAN FOR SUMMER SESSION (2024-25)

PROGRAMME : CIVIL ENGINEERING				NAME OF THE FACULTY: Mr. ARABINDA SAHU
COURSE NAME : CADD Lab and Design & Detailing Practice				SESSION : 2024-25 (S)
COURSE CODE : PR 3				DATE : 04/02/25 To 17/05/25
SEMESTER : 6th				
PERIODS/WEEK: 3				
TOTAL PERIODS:45				
WEEK	PERIODS (3 Hr)	GROUP	UNITS	TOPICS
Feb. 1st Week	3	I	1	1.0 Structural Detailing Practice: 1.1 Slab, beam and lintel with chajja as in a simple building (Help from Sections 8 & 9 of SP 34 may be taken) (Plate I)
Feb. 2nd Week	6	I	1	1.1 Slab, beam and lintel with chajja as in a simple building (Help from Sections 8 & 9 of SP 34 may be taken) (Plate I)
Feb. 3rd Week	9	I	1	1.2 Columns, column-beam connections with & without splicing, isolated footing, staircase (Help from sections 6, 7, 10 of SP 34 may be taken)(Plate 2)
Feb. 4th Week	12	I	1	1.2 Columns, column-beam connections with & without splicing, isolated footing, staircase (Help from sections 6, 7, 10 of SP 34 may be taken)(Plate 2)
Mar. 1st Week	15	I	1	1.3 Different types of bolt connections, welded connections. (Plate 3) 1.4 Details of Pile and Pile cap
Mar. 2nd Week	18	I		Record Check & Viva-voce
Mar. 3rd Week	21	I	2	2.0 Use of STADD Pro Software: 2.1 2-D Modelling of structures, Use of Structure wizard, Geometry, Property, Support, Loads and combinations, Analysis
Mar. 4th Week	24	I	2	2.2 Analysis of a Continuous beam with more than two span subjected to udl and point load
Apr. 1st Week	27	I	2	2.3 3-D modeling of building structures ,dead load, live load, earthquake and wind load analysis, design of a 3 storeyed building and preparation of reinforcement drawing and detailing
Apr. 2nd Week	30	I	2	2.4 Introduction to STADD foundation.
Apr. 3rd Week	33	I	3	3.0 Revit Architecture Software: 3.1 Basics- Modify, Wall, Door, Window, Component Room, Roof, Floor, Grid, Lines, Dimension, Section, Level, Text, View
Apr. 4th Week	36	I	3	3.2 Modelling- Ramp, Railing, Stair 3.3 Site- Topo surface- Parking Component, Site Component
May. 1st Week	39	I	3	3.4 Align, Split, Trim, offset, Match type, Line work, Paint, Scale, Unit 3.5 3D View
May. 2nd Week	42	I	3	3.6 Preparation of approval drawing of a double storied residential building from given specifications with its 3D view using above commands
May. 3rd Week	45	I		Record Check & Viva-voce

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25/11/25
Concern faculty

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