

Department of Architecture Assistantship
Govt. Polytechnic for Women Rehan
Distt. - Kangra (HP)



LESSON PLAN

Program Name	Architecture Assistantship
Subject Name	Building Material and Construction-III
Subject Code	ARBSAE-4002
Semester	Fourth
Subject Co-ordinator Name	Ar. Monika

Evaluation Scheme

Subject Name	Study Scheme (Hrs/Week)		Marks in Evaluation Scheme						
			Internal Assessment			External Assessment			Grand Total
	Th	Pr	Th	Pr	Total	Th	Pr	Total	
Building Material and Construction - III	4	2	40	40	80	60	60	120	200
Text/Reference Books	(i) Construction of buildings by R. Barry								
	(ii) National Building Code, BIS (2011)								
	(iii) Building Construction (Metric) by Mc Kay								
	(iv) Building Construction Metric by W.B. Mckay								
	(v) Building Construction Illustrated by Francis D.K. Ching								
	(vi) Construction Technology by Roy Chudley								

Course Outcomes (Cos)

CO-1	To illustrate principles of RCC foundation design and properties of various ingredients used in RCC construction and DPC.
CO-2	To illustrate concept of RCC stair design, various types of flooring.
CO-3	To construct drawings of doors and windows manufactured in industries.
CO-4	To construct drawings of steel trusses and steel stairs.

Teaching Plan

Unit No.	Name of Topic	Proposed Date	Actual Date	Remarks
1	Intro. and properties of RCC ingredient.	2/2/2024		
2	Types of Concrete and its grades.	3/2/2024		

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3	Principle of foundation design, Bearing capacity of soil	6/2/2024, 8/2/2024		
4	Intro. To DPC, Horizontal and vertical DPC	22/2/2024, 23/2/2024		
5	RCC Footing	27/2/2024		
6	RCC Stairs and its types	29/2/2024		
7	Types of Floorings	14/3/2024, 15/3/2024, 16/3/2024		
8	Types of Doors and Windows	2/4/2024, 4/4/2024		
9	Types of Steel Trusses , Roof covering.	26/4/2024		

Assignments

Assignment No	Contents of Syllabus Covered	Proposed Date	Actual Date	Remarks
A (1)	Unit -1	14/3/2024		
A (2)	Unit-2, Unit-3	18/4/2024		
A (3)	Unit-4	4/5/2024		

House Test/Class Test

Name of Test	Syllabus for Tests	Proposed Date	Actual Date	Remarks
CT (1)	Unit -1	21/3/2024		
CT (2)	Unit-2, Unit-3	25/4/2024		
HT (1)	Unit-1, Unit-2, Unit-3, Unit-4	As per HPTSB Schedule		

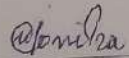
Drawing Practicals

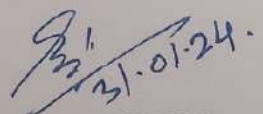
DWG No	Name of Drawings	Proposed Date	Actual Date	Remarks
1	Spread footing foundation	9/2/2024, 13/2/2024		
2	Raft/PAD foundation	15/2/2024, 16/2/2024		
3	Shallow Foundation	17/2/2024, 20/2/2024		
4	RCC Stairs (Cast-in-situ)	1/3/2024, 2/3/2024		

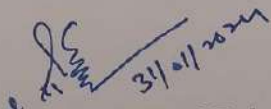
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5	RCC Stairs (for multi-story buildings)	5/3/2024, 7/3/2024, 12/3/2024		
6	Brick Flooring, Terrazzo Flooring, Stone Flooring	19/3/2024, 21/3/2024		
7	Wooden Flooring (Single Joist)	22/3/2024		
8	Wooden Flooring (Double Joist)	23/3/2024, 26/3/2024		
9	Wooden Flooring (Triple Joist)	28/3/2024, 30/3/2024		
10	Sliding door and window	5/4/2024 6/4/2024		
11	Revolving Door and Window	9/4/2024, 12/4/2024, 16/4/2024,		
12	Collapsible Door	18/4/2024, 19/4/2024, 20/4/2024		
13	Rolling Door	23/4/2024, 25/4/2024		
14	King Post Steel Truss	27/4/2024, 30/4/2024		
15	Queen Post Steel Truss	2/5/2024, 3/5/2024		
16	North Light Steel Truss	4/5/2024, 7/5/2024		
17	Steel Stairs	9/5/2024		


(Signature of Teacher)


(Signature of HOD)


(Signature of Principal)