

**Department of Civil Engineering**  
**Govt. Polytechnic for Women Rehan**  
**Distt. – Kangra (H.P.) - 176022**



**LESSON PLAN**

Program Name	Civil Engineering
Subject Name	Design of RCC Structure Lab
Subject Code	CEPC307
Semester	5 <sup>th</sup>
Subject Teacher Name	Amit Thakur

**Evaluation Scheme**

Sr. No.	Subject Name	Study scheme (Hrs/Week)		Marks in Evaluation Scheme					
				Internal Assessment			External Assessment		
				Th	Pr	Total	Th	Pr	Total
1.	Design of RCC Structure Lab		4+4(8)		40	-		60	100
Reference Books		(i) Shah, V. L., and Karve, S.R., Limit State Theory and Design of Reinforced Concrete Structures, (ii) Singh, Birender, Reinforced Cement Concrete Design							

**Course Outcomes (COs)**

CO – 1	To learn the drawings of Singly and Doubly Reinforced beams
CO – 2	To learn the drawings of Square and Circular footings
CO – 3	To learn the drawings of One-way and two-way Slabs

**Teaching Plan**

	Name of Topic	Proposed Dated		Actual Date		Remarks
		Group-1	Group-2	Group-1	Group-2	
Design of RCC Structure Lab	. Rectangular beams – Singly reinforced	17/08/2024	13/08/2024			
		22/08/2024	16/08/2024			
	Rectangular beams-	24/08/2024	20/08/2024			

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Doubly reinforced	29/08/2024	23/08/2024			
One-way slabs	31/08/2024	27/08/2024			
	05/09/2024	30/08/2024			
	07/09/2024	03/09/2024			
		06/09/2024			
		10/09/2024			
Class Test-1	12/09/2024				
Two-way slabs (Corner not held down)	19/09/2024	13/09/2024			
	21/09/2024	17/09/2024			
	26/09/2024	20/09/2024			
Square columns with isolated footing of uniform depth and varying depth (sloped footings)	28/09/2024	24/09/2024			
	03/10/2024	27/09/2024			
	05/10/2024	01/10/2024			
	10/10/2024	04/10/2024			
		08/10/2024			
		11/10/2024			
Class Test-2	19/10/2024				
Circular column with isolated footing of uniform depth and varying depth (sloped footings)	24/10/2024	15/10/2024			
	26/10/2024	22/10/2024			
		25/10/2024			
Interpret the actual RCC Structural Drawings used on site with reference to reinforcement details of various structural elements	02/11/2024	29/10/2024			
	07/11/2024	01/11/2024			
Prepare a detailed report of site visit for reinforcement detailing of structural	16/11/2024	05/11/2024			
		08/11/2024			

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Prepare a detailed report of site visit for reinforcement detailing of structural elements like beams, columns, staircase & footing.	16/11/2024	05/11/2024 08/11/2024			
Prepare a checklist for reinforcement provided from actual drawings used on site for various structural elements.	21/11/2024 23/11/2024 28/11/2024 30/11/2024	19/11/2024 22/11/2024 26/11/2024 29/11/2024			

### House Test/Class Test

Name of test	Syllabus for Tests	Proposed Date	Actual Date	Remarks
Class Test -1	Sheet-1, Sheet-2, Sheet-3	As per HPTSB Academic Schedule		
Class Test -2	Sheet-4, Sheet-5, Sheet-6			
House Test - 1	Sheet -7, Sheet-8			

(Signature of Teacher)  
Er. Amit Thakur

Approved

(Signature of HOD)

Principal  
Govt. Polytechnic for Women  
Rehan Distt. Kangra (H.P.)