

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



**LESSON PLAN**

Program Name	Civil Engineering
Subject Name	Design of Steel Structures Lab
Subject Code	CEPC308
Semester	6 <sup>th</sup>
Subject Teacher Name	Sonika Thakur

**Evaluation Scheme**

Sr. No.	Subject Name	Study scheme (Hrs/Week)			Marks in Evaluation Scheme						
					Internal Assessment			External Assessment			
		Th.	Pr.	DCS	Th	Pr	Total	Th	Pr	Total	
1.	Design of Steel Structures Lab	-	2	2		60	60		40	40	
Reference Books		(i)	Structures Design and Drawing 'By Birinder Singh,								
		(ii)	Design of Steel Structure", by S Ramamurthan								

**Course Outcomes (COs)**

CO – 1	Draw tension and compression steel members as per LSM
CO – 2	Draw connections of steel beams
CO – 3	Draw connections of steel Columns and their bases

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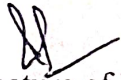
Teaching Plan		Proposed Dated		Actual Date		Remarks
	Name of Topic	Group-1	Group-2	Group-1	Group-2	
Steel Structure Drawing	1. Draw any five commonly used rolled steel sections and five built up sections.	27/01/2026 02/02/2026 03/02/2026 09/02/2026	28/01/2026 31/01/2026 04/02/2026			
	2. Details of splicing for steel columns of	10/02/2026 16/02/2026	07/02/2026 11/02/2026			
	a) Same width					
	b) Different widths	17/02/2026 23/02/2026	18/02/2026 21/02/2026			
	3. Beam to beam connections	24/02/2026 02/3/2026 3/3/2026	25/02/2026 28/02/2026 07/3/2026			
	a) Seated Connections					
	Class Test-1	09/3/2026	09/3/2026			
	Beam to beam connections	10/3/2026 16/3/2026 7/3/2026	11/3/2026 8/3/2026			
	b) Framed Connections					
	4. Beam to column	23/3/2026 4/3/2026 /3/2026	25/3/2026 8/3/2026 /4/2026			
a) Seated Connections						
b) Framed Connections	31/3/2026 6/4/2026 /4/2026	04/4/2026 8/4/2026 /4/2026				
Class Test-II	13/4/2026	13/4/2026				
5. Column bases	20/4/2026 1/4/ 2026 27/4/2026	22/4/2026 25/4/2026				
a) Slab base						

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	b) Gusseted base	28/4/2026 4/05/2026 05/05/2026	29/4/2026 02/05/2026			
	6. Steel roof truss with details of joints					
	a) Heel Joint	18/05/2026 19/05/2026	06/05/2026 16/5/2026			
	b) Ridge Joint	25/05/2026 26/05/2026	20/5/2026 3/5/2026			

**House Test/Class Test**

Name of test	Syllabus for Tests	Proposed Date	Actual Date	Remarks
Class Test -1	Drawing-1 & Drawing-2	As per HPTSB Academic Schedule		
Class Test -2	Drawing-3 & Drawing-4			
House Test -1	Drawing-1 to Drawing-5			



(Signature of Teacher)



(Signature of HOD)

Approved

Principal 27/1/26  
Govt. Polytechnic for Women  
Rehan Distt. Kangra (H.P.)