

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



LESSON PLAN

Program Name	Civil Engineering
Subject Name	Transportation Engineering Lab
Subject Code	CE-4010
Semester	4 th
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	Th	Pr	Total	Th	Pr	Total
1.	Transportation Engineering Lab	-	2	-	40	40	-	60	60
Reference Books		(i) L.R. Kadiyali, Transportation Engineering (ii) , Transportation Engineering, Khanna Publishers, Delhi.							

Course Outcomes (COs)

CO - 1	To understand the geometrical design features of different highways.
CO - 2	To perform different tests on road materials.
CO - 3	To identify the components of railway tracks.

Teaching Plan

	Name of Topic	Proposed Dated		Actual Date		Remarks
		Group-1	Group-2	Group-1	Group-2	
Practical List 1	Draw the sketches showing standard cross sections of Expressways, Freeways, NH/SH, MDR/ODR	02/02/2026 09/02/2026	28/01/2026			

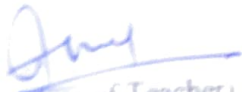
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2	Flakiness and Elongation Index of aggregates.	16/02/2026	04/02/2026			
3	Angularity Number of aggregates.	23/02/2026	11/02/2026			
4	Aggregate impact test	02/03/2026	18/02/2026			
5	Los Angeles Abrasion test	09/03/2026	25/03/2026			
6	Aggregate crushing test	16/03/2026	11/03/2026			
7	Softening point test of bitumen.	23/03/2026 30/03/2026	18/03/2026			
8	Penetration test of bitumen.	06/04/2026	25/03/2026			
9	Flash and Fire Point test of bitumen.	13/04/2026	01/04/2026			
10	Ductility test of Bitumen.	20/04/2026	08/04/2026			
11	Visit the constructed road for visual inspection to identify defects and suggest remedial measures.	27/04/2026	22/04/2026			
12	Prepare the photographic report containing details for experiment No. 11.	04/05/2026	29/04/2026			
13	Visit the hill road constructed site to understand its components.	18/05/2026	06/05/2026			
14	Prepare the photographic report containing details for experiment No. 13	25/05/2026	20/05/2026			


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House Test/Class Test

Name of test	Syllabus for Tests	Proposed Date	Actual Date	Remarks
Class Test -1		As per HPTSB Academic Schedule		
Class Test -2				
House Test -1				


(Signature of Teacher)
Amit Thakur


(Signature of HOD)

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