

Lesson Plan

Subject AGT&E (Code) TH-3 Name of faculty SAMAR SINGH BETHRA
 Semester 6TH Class allotted 60 Branch Civil Engg

Discipline	Semester	From date:	To date:	Teaching Aid
Subject	No. of days/ per week	Theory/ Practical - Topics/Lesson		
Week	Date/Period			
1	14.02.23	Ch-1 Advanced construction materials		White board & marker
	16	1.1 - Fibers and plastics - Types of fibers - Glass, carbon		
	17.02.23	Properties of fibers as construction material		
	(04 P/W)	1.2 - Properties of Plaster, Types of Plasters - PVC, GVC, HOP, FRP, GRP etc. Colored plastic chairs Use of plastic as construction material		
2	20.02.23	1.2 - Artificial Timbers - Properties and Use of artificial timber. Types of artificial timber		White board & marker
	25.02.23	on market, strength of artificial timber		
	(04 P/W)			
3	27.02.23	1.3 - Miscellaneous materials - Properties and use of acoustic materials, wall claddings, plaster boards, micro-silica, antibacterial sand bonding agents, adhesive etc.		White board & marker
	10			
	(04 P/W)			
4	06.03.23	Ch-2 2.1 - Introduction, necessity and scope of prefabrication or building, the story of prefabrication, current uses of prefabrication, types of prefabrication system, classification.		White board & marker
	11.03.23	2.2 - The theory and process of prefabrication.		
	(04 P/W)			
5	13.03.23	Ch-2 2.2 - Design principle of prefabricated system, types of prefabricated elements, modular coordination.		White board & marker
	18.03.23	2.3 - Indian standards recommendation for modular planning.		
	(04 P/W)			
6	20.03.23	Ch-3 - earthquake resistance construction		White board & marker
	10	3.1 - Building configuration, 3.2 - Lateral load resisting structures, 3.3 - Building characteristics		
	(04 P/W)	Effect of structural irregularities - vertical irregularities, plan configuration problem		
7	27.03.23	3.5 - Safety considerations during alteration construction and alteration of existing building		White board & marker
	10			
	(04 P/W)	3.6 - Additional strengthening measures in masonry building - corner reinforcement, lintel band, sill band, plinth band, roof band, gable band		

Signature of HOD

Signature of faculty

Week	Date/Period	Theory/ Practical - Topics/Lesson	Teaching Aid
8	03.04.23	Ch-4 <u>Reinforcing of structures</u>	white board & marker
	to	4.1- <u>Structural Reinforcing of Reinforced concrete buildings</u> ; 4.2- <u>Structures of work</u>	
	08.04.23 (04 P/W)	in R.C frame building	
9	10.04.23	4.3- <u>classification of pipes, their functions and their uses</u>	white board & marker
	15.04.23	Ch-5 <u>building services</u> 5.1- <u>cold water distribution in high rise building lay out</u>	
	(04 P/W)	or installation.	
10	17.04.23	5.2- <u>Hot water supply - general principles</u>	white board & marker
	to	5.3- <u>sanitation</u> , 5.4- <u>electrical services</u>	
	21.04.23 (04 P/W)	5.5- <u>lighting</u> , 5.6- <u>ventilation</u> , 5.7- <u>mechanical services</u>	
11	24.04.23	Ch-6 - <u>construction and earth moving equipment</u>	white board & marker
	to	6.1- <u>planning & selection of construction equipment</u>	
	29.04.23 (04 P/W)	6.2- <u>Study on earth moving equipments like</u> drag line, tractor, bulldozer, power shovel	
12	01.05.23	6.3- <u>study and uses of compacting equipments</u> like tamper rollers, smooth wheel rollers	white board & marker
	to	pneumatic tamped rollers and vibrating compactors	
	06.05.23 (04 P/W)	6.4 <u>pricing and operating cost - problems</u>	
13	08.05.23	Ch-7- <u>Soil Reinforcing techniques</u>	White board & marker
	to	7.1- <u>Necessity of soil Reinforcing</u>	
	13.05.23 (04 P/W)	7.2- <u>Use wide mesh and geo Synthetic</u>	
14	15.05.23	7.3 - <u>use wide mesh and geo Synthetic</u>	white board & marker
	to	7.3 - <u>Strengthening of embankments, slope stabilization in cutting and embankment</u>	
	20.05.23 (05 P/W)	by soil Reinforcing techniques.	
15	22.05.23	7.3 - <u>Strengthening of embankments, slope stabilization in cutting and embankment</u>	white board & marker
	to	by soil Reinforcing techniques	
	23.05.23 (03 P/W)		

Signature of HOD

Samarsingh Chena
Signature of faculty