

5 -	Design the elements of beams in shear & torsion
6 -	Calculate the values of bond & reinforcement details
7 -	Design the elements of beam deflection

c. Professional and Practical Skills: :

1 -	Prepare technical reports for floor system& loads
2 -	Apply Code provisions regarding beams in bending
3 -	Apply Code provisions regarding beams in shear & torsion
4 -	Proceed test steps of the bond & reinforcement details

d. General and Transferable Skills: :

1 -	Work under stress
-----	-------------------

Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
floor system& loads	10	6	4
limit state	10	6	4
load distribution	10	6	4
beams in bending	15	9	6
beams in shear & torsion	10	6	4
bond & reinforcement details	10	6	0
beam deflection	5	3	2
Revision	5	3	2

Teaching And Learning Methodologies :

Interactive Lec.
Discussion
Problem Solving
Project
Report / Present.

Course Assessment :

Methods of assessment	Relative weight %	Week No	Assess What
Final Exam	40.00		
Lab Exper.	10.00		
Mid- Exam I, II	30.00		
Project	10.00		
Quizzes / Assig.	5.00		
Report / Present.	5.00		

Course Notes :

-

Recommended books :

-

Periodicals :

-

Web Sites :

Moodle