

**MEHRAN UNIVERSITY OF ENGINEERING AND TECHNOLOGY**

FRM-001/00QSP-004

TENTATIVE TEACHING PLAN

Dec.01.2001

DEPARTMENT/INSTITUTE/DIRECTORATE: CIVIL ENGINEERINGName of Teacher: **Prof. Dr. Fareed A. Memon**Batch: 20 CE (A+C) Year: Final Semester: 7th

Subject: Structural Design and Drawing

Course Code: CE406

Semester Starting Date: 20-12-2023

Semester Suspension Date: 29-03-2024

Course Learning Outcomes (CLOs):

Upon successful completion of the course, the student will be able to:

CLO No.	Description	Taxonomy level	Associated PLO
1	DESIGN of various reinforced concrete structural members	C6	3
2	DISCUSS design requirements and techniques of RCC bridges and Tall buildings.	C2	3

Sr. #	Description of Topic	CLO's	No. of Lec. Req.
1.	Slender columns, design considerations	1	2
2.	Analysis and design of slender columns	1	3
3.	Shear walls, advantages of shear walls, design considerations	1	2
4.	Analysis and design of shear walls	1	3
5.	Two-way slabs, types of two-way slabs, design considerations	1	2
6.	Analysis and design of two-way slabs	1	3
7.	Flat plate and flat slabs, design considerations	1	2
8.	Design of flat plate and flat slabs	1	3
9.	Waffle slabs, design considerations	1	2
10.	Design of waffle slabs	1	3
11.	Retaining walls, types of retaining walls, design considerations	1	2
12.	Analysis and Design of retaining walls	1	3
13.	Water tanks, types of water tanks, design considerations	1	2
14.	Design of water tanks	1	3
15.	Bridges, types of bridges, design considerations	2	2
16.	Preliminary design of RCC bridges	2	3
17.	Introduction to seismic design of RCC structures, design considerations	2	2
18.	Preliminary design of RCC structures subjected to seismic loads	2	3
19.	High rise buildings, design considerations for high-rise buildings	2	3
	Total Lectures		48

Signature of Teacher:

Dated: 12/12/2023

Remarks of DMRC: APPROVED

Signature of Chairman:

Dated: 21/12/2023