



# MEHRAN UNIVERSITY OF ENGINEERING AND TECHNOLOGY JAMSHORO

## Department of Civil Engineering

### LESSON PLAN

COURSE TITLE: <b>Construction Engineering</b>		COURSE CODE: <b>CE231</b>	CREDIT HOURS: <b>03</b>	MINIMUM CONTACT HOURS: <b>48</b>
COURSE INSTRUCTOR: <b>Prof. Dr. Tauha Hussain Ali/Engr. Muhammad Saleem Raza(A+D)/Engr. Masroor Ali Jatoi (B+C)</b>				
Batch: <b>21CE</b>	Semester: <b>4<sup>th</sup></b>	Semester Starting Date: <b>03-07-2023</b>	Semester Suspension Date: <b>20-10-2023</b>	
<b>COURSE LEARNING OUTCOMES:</b>				
CLO No.	Description	Taxonomy level	Associated PLO	
1	DISCUSS different construction methodologies being used in construction industry.	C2	1	
2	APPLY acquired knowledge to supervise different components of building works.	C3	2	
<b>LESSON CONTENTS AND ASSOCIATED CLO(s)</b>				
Contents	CLO No.	Marks Assigned	Delivery Methods	Assessment Methods (Marks)
<b>Layout Techniques:</b> <ul style="list-style-type: none"> <li>An overview of constructional aspects of different type of Engineering projects</li> <li>Site Layout Plan and Building layout techniques</li> <li>Dewatering and its techniques</li> <li>Water proofing and its techniques</li> <li>Temporary Structures constructed in sub structure and super structure</li> </ul> <b>No. of Lectures: 18</b>	1	37	<ul style="list-style-type: none"> <li>Class Lecture</li> <li>Discussion</li> </ul>	<ul style="list-style-type: none"> <li>Class Test-I (05)</li> <li>Mid Semester Exam (20)</li> <li>Final Exam (12)</li> </ul>
<b>Constructional Methodologies</b> <ul style="list-style-type: none"> <li>Bricks, stone and concrete masonry, and concrete blocks</li> <li>Bonds, joints, and their types</li> <li>Arches and lintels: types and construction</li> <li>Doors and windows: types and allied services and applications</li> <li>Walls: types and construction</li> <li>Floors, and various types of floor finishes</li> <li>Roofs: types and construction</li> <li>Thermal insulation of building</li> <li>Heating and ventilations</li> <li>Acoustics of buildings and use of soundproof materials</li> </ul>	2	63	<ul style="list-style-type: none"> <li>Class Lecture</li> <li>Discussion</li> </ul>	<ul style="list-style-type: none"> <li>Class Test-II (05)</li> <li>Assignment (10)</li> <li>Final Exam (48)</li> </ul>

- Common defects in construction
- Maintenance of buildings
- Services in buildings including domestic water supply drainage and piping.

**No. of Lectures: 30**

**ASSESSMENT DETAILS**

S. No.	Assessment Activities	Marks	Activities	CLO(s) to be assessed	
1	Class Test/Assignment/Project Design/Presentation/Quiz/Field Report	20	Assignment(s)	1	2
			Class Test(s)	2	1 and 2
2	Mid Semester Exam	20	1	1	
3	Final Semester Exam	60	1	1 and 2	

Prepared by: **Prof. Dr. Tauha Hussain Ali**



Signature:

Dated: 13-04-2023

Reviewed by: **Curriculum Review Committee**



Signature:

Dated: 18-04-2023

Approved by: **Chairman, CED**



Signature:

Dated: 18-04-2023