



MEHRAN UNIVERSITY OF ENGINEERING AND TECHNOLOGY JAMSHORO

Department of Civil Engineering

LESSON PLAN

COURSE TITLE: Civil Engineering Drawing & Graphics	COURSE CODE: CE123	CREDIT HOURS: 01	MINIMUM CONTACT HOURS: 16
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COURSE INSTRUCTOR: **Engr. Arshad Ali Memon (A+B+C)**

Batch: **24CE**

Semester: **2nd**

Semester Starting Date: 06-01-2025

Semester Suspension Date: 24-04-2025

COURSE LEARNING OUTCOMES:

CLO No.	Description	Taxonomy level	Associated PLO
1	DESCRIBE the functions and features of the latest CAD software relevant to civil engineering projects.	C2	5
2	EXPLAIN drawing related to different civil engineering projects.	C2	2

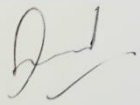

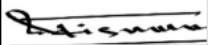
LESSON CONTENTS AND ASSOCIATED CLO(s)

Contents	CLO No.	Marks Assigned	Delivery Methods	Assessment Methods (Marks)
1. Introduction to Auto Cad <ul style="list-style-type: none"> Interface of software, Commands, Infrastructure layout of 2D and 3D Drawings General introduction to Auto Cad for civil engineering drawings Different commands latest version of Auto Cad for 2D and 3D drawings No. of lectures Required : 03	1	08	<ul style="list-style-type: none"> Class Lecture Discussion 	<ul style="list-style-type: none"> Mid semester Exam (05) Assignment-I (03)

2. Architectural Details of a Simple Two Storied Building <ul style="list-style-type: none"> Broad perspective about architectural details Ground floor plan, First floor plan, Elevations Staircase, its types and Architectural Drawing of staircases 3. Structural Details of a Simple Framed RCC Building <ul style="list-style-type: none"> Broad perspective about structural RCC details Types of foundation Foundation plan and related details Types of Beams and Columns Structural Drawing of beams and columns 4. Plumbing and Electrical Details of a Simple Two Storied Building <ul style="list-style-type: none"> General notes for plumbing details External water supply and sewerage layout Internal water supply and sewerage layout (all plans) General notes for electrical details Electrification for all plans 	2	42	<ul style="list-style-type: none"> Class Lecture Discussion Work Sheets 	<ul style="list-style-type: none"> Mid semester Exam (10) Final Exam (20) Class Tests I (07) Assignment-II (05)
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5. Drawings and Detailing of Highways <ul style="list-style-type: none"> • Cross section of Highways • L-section of Highways No. of lectures Required : 13				
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S. No.	Assessment Activities	Marks	Activities		CLO(s) to be assessed
1	Class Test/Assignment	15	Assignment(s)	02	1 and 2
			Class Test(s)	01	2
2	Mid Semester Exam	15	1		1 and 2
3	Final Semester Exam	20	1		2

Prepared by: Engr. Arshad Ali Memon  Signature: Dated: 02-01-2025	Reviewed by: Curriculum Review Committee  Signature: Dated: 10-02-2025	Approved by: Chairman, CED  Signature: Dated: 10-02-2025
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