



MEHRAN UNIVERSITY OF ENGINEERING AND TECHNOLOGY JAMSHORO

Department of Civil Engineering

LESSON PLAN

COURSE TITLE: Fundamentals of Applied Economics	COURSE CODE: CETN202	CREDIT HOURS: 02	MINIMUM CONTACT HOURS: 32
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COURSE INSTRUCTOR: **Prof. Dr. Khalifa Qasim Laghari**

Batch: **23BSCET** Semester: **4th** Semester Starting Date: **09-12-2024** Semester Suspension Date: **18-04-2024**

COURSE LEARNING OUTCOMES:


CLO No.	Description	Taxonomy level	Associated PLO
1	Understand economics, its key sub-domains, and its relationship with micro and macro indicators.	C2	6
2	Understand the relationship of economics with civil and construction industry	C2	6
3	Analyze cost benefit of technology solutions related to civil engineering and construction industry	C4	6

LESSON CONTENTS AND ASSOCIATED CLO(s)

Contents	CLO No.	Marks Assigned	Delivery Methods	Assessment Methods (Marks)
Basic Concepts and Principles of Economics, thinking like an Economist, Overview of Macro and Micro Economic theories, Market Forces of Supply and Demand, Elasticity and its Application, Government Economic and Interest Policies, Price-supply-demand-relationship, Efficiency vs Equality, Firm Behavior and Organization of Industry, Role of Technologist in Economies and Decision Making No. of Lectures required 15	1	23	<ul style="list-style-type: none"> • Class Lectures • Discussion 	<ul style="list-style-type: none"> • Mid Semester Exam (15) • Quiz (03) • Final Exam (05)
Introduction to construction industry economics, Nature of construction firms and construction industry, Micro economic principles for construction business, Macro-economic concepts and their relevance to the construction industry, Construction project supply chains No. of Lectures required 7	2	09	<ul style="list-style-type: none"> • Class Lectures • Discussion 	<ul style="list-style-type: none"> • Class Test (04) • Final Exam (05)
Earned Value Analysis, Time Value of Money Concept, Economical Appraisal Methods and Applications in civil construction projects, Cost benefit analysis of technology solutions in civil engineering and construction industry domains No. of Lectures required 10	3	18	<ul style="list-style-type: none"> • Class Lectures • Discussion 	<ul style="list-style-type: none"> • Assignment (08) • Final Exam (10)

ASSESSMENT DETAILS

S. No.	Assessment Activities	Marks	Activities	CLO(s) to be assessed	
1	Class Test/Assignment/Project Design/Presentation/Quiz/Field Report	15	Test /Quiz	1+1	1 and 2
			Assignment	1	3
2	Mid Semester Exam	15	1	1	
3	Final Semester Exam	20	1	1, 2 and 3	

<p>Prepared by: Prof. Dr. Khalifa Qasim Laghari</p>  <p>Signature: Dated: 26-12-2024</p>	<p>Reviewed by: Curriculum Review Committee</p> <p>Signature: Dated:</p>	<p>Approved by: Chairman, CED</p> <p>Signature: Dated:</p>
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