

MEHRAN UNIVERSITY OF ENGINEERING AND TECHNOLOGY JAMSHORO Department of Civil Engineering

LESSON PLAN

COURSE TITLE: Quantity Surveying COURSE CODE					CE341	CREDIT MINIMUM CON HOURS: 03 HOURS: 48		NIMUM CONTACT URS: 48	
COURSE INSTRUCTER: Prof. Dr. Nafees Ahmed Memon(D)/Engr. Abdul Raqeeb(A+B+C)									
Batch:20 CE Semester: 6 th Semester Starting Da			te: 03-07	-2023	Semester Su	Semester Suspension Date: 20-10-2023			
COURSE LEARNING OUTCOMES:									
CLO Description					Taxonom Level	ny A	ssociated PLO		
	SOLVE the numerical related to quantities engineering works.			of vario	ous civil	C3		2	
	ANALYZE cost of construction project contract award procedure			ct and	t and discuss C4			4	
LESSON CONTE	NTS AND ASSO	OCIATE	D CLO(s)						
Contents			CLO No.	Marl Assign			Assessment Methods (Marks)		
 Significa industry Estimate Role of organizat Importan administriprojects Main re- considered Scope o impact on Prelimina Load bea using Sep R.C.C stri to Colu- Retaining Road wo earthwor Concepts bridges a Quantity supply w 	N OF V. WORKS: tion and overvince of cost estimates and its' types quantity sur- ional levels ce of preliminative approval equirements are ed while preparing f civil engineers n cost estimate ary estimate of var or estimate of var or estimate of var or cost estimates ary estimate of var aring structures (Quanti- umn, Beam, S g wall) or ks (Lead and k using different and steel structures calculation of	ARIOUS ew of the nation in veyor a inary e of pu nd facto g a detail ring wor arious but (Quantity center line ty calcula blab, Sta Lift, Ca methods antity ca es	e subject construction at different estimate in iblic sector ors to be led estimate ks and its' ildings v calculation e methods) ation related aircase and lculation of) lculation of	1	70	• Discus: • Class practice	sion ,	 Sessional Activity I: Class Test/Quiz (07) Sessional Activity II: Assignment/ Project (07) Mid semester Exam (20) Final Exam (36) 	

 RATE ANALYSIS, BILL OF QUANTITIES (BOQ), TENDERING & AWARD OF WORKS Task or Out-turn work Importance of Rate Analysis (RA) Significance of productivity calculation in RA Factors influencing RA Specifications of various items in construction Schedule of rates in public sector RA of different items Preparing BOQ, Maintaining Measurement Book (MB) Types of contracts Preparation of tender documents and evaluation of bids Security deposit, Earnest money Valuation of buildings and its' purpose Procedure for award of works in public sector No. of lectures: 15 	2	30	 Discussion Class practice 	 Sessional Activity III: Class Test/Quiz (03) Sessional Activity IV: Assignment/ Project (03) Final Exam (24)
--	---	----	--	--

ASSESSMENT DETAILS

S. No.	Assessment Activities	Marks	Activities		CLO(s) to be assessed
1	Sessional	20	Class Test/ Quiz/ Assignment/Project	4	1, 2
2	Mid Semester Exam	20	1		1
3	Final Semester Exam	60	1		1, 2

Prepared by: Prof. Dr. Nafees Ahmed Memon	Reviewed by: Curriculum Review Committee	Approved by: Chairman, CED
Indianan .		Frim
	Signature:	Signature:
Signature : Dated: 13-04-2023	Dated: 18-04-2023	Dated: 18-04-2023