

Salahaddin University - Erbil
College of engineering - Civil Department

Module Name	Quantity Surveying and Estimation		Code	1149
Course Status	Elective	Duration:	15 week – one semester	Credit point 5
Pre-requisites	Non		Total Work Load 135 hr	Class Attendance 60 hr Self Studies 75 hr
Course Description	Overview of common Civil Engineering structures/projects and their components; Contract types, basics of quantity measurements and estimating; quantity measurement of earthwork for roadway; specifications, rates, and costing of residential building, septic tank, water tank, retaining wall, bridge/culvert, steel truss; and computer aided estimation. Preparation of BoQ			
Course Objectives	<p>The objective of this subject is :</p> <ol style="list-style-type: none"> 1. To teach the students how to use the basic knowledge of mathematics, science, and engineering in quantity surveying and cost estimating of common Civil Engineering structures/projects 2. To introduce modern tools/software for quantity and cost calculation 3. To engage the students to demonstrate their understanding of different components of a civil engineering structure 			
Learning Outcome	<p>"After completing this subject, the student will be able to:</p> <ol style="list-style-type: none"> 1. Apply knowledge of mathematics, science, and engineering to estimate the quantities, and costing of different civil engineering structures/projects. 2. Develop skills to use modern tools/software necessary for engineering practice. 3. Engage the students to demonstrate their understanding of different components of a civil engineering structure 4. Function on multidisciplinary teams to estimate all components of common Civil Engineering structures" 			
Literature & text Books	1- Mohammed Haroon " A practical book for quantity surveying "-2021-2022 2- Dagostino and Peterson " Estimating in Building Construction- 7th EDITION"			
Type of Teaching	Theory Lectures	Tutorial	Practical	
	3 hr	1 hr	0 hr	
Evaluation Profile	Students are required to do first midterm exam on 8 week, class room activities, quizzes, home works and final exam on week 15th. So that the final grade will be based upon the following criteria:			
	Course period efforts (out of 40%)	Midterm Exam (90 min written exam at week 8)		20 %
		Short exams (Quiz) at least 2 during the course period (one of them must befor week 8)		10 %
		assignments and home works at least 2 during the course period		6 %
		Class Room Activities, Reports and Seminars		4 %
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Course period efforts (out of 60%)	Written exam (120 min written exam week 15)		60 %	
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