

Zarqa University



Faculty of Engineering
Department: Architecture Department
Course title: Contracts, Specifications
and Quantity calculations 0908433

Prerequisite: Working Drawings
0908326
Instructor:
Lecture's time:
Semester:
Office Hours:

Course description:

This course aims to study engineering contracts in general and FIDIC and detailed description of all architectural works items in the construction of buildings, and study of the technical specifications for the implementation of buildings in accordance with the specifications and conditions in Jordan and the preparation of technical specifications and the calculation of quantities for a project with a small area.

Aims of the course:

1. Knowledge the Contract Agreement, FIDIC.
2. Preparing the students to be able to understanding the form of contract for construction.
3. Identify the conditions of Contract (Specific conditions, General Conditions).
4. Understand the Technical specifications of construction works.
5. Preparing the tables of Quantities and Technical specifications.

Intended Learning Outcomes (ILOs):

1. **Knowledge skills: with ability to** definition the Contract Agreement.
2. **understanding skills: with ability to** understand the types and procedure of tenders, Technical specifications of construction works.
3. **Analysis skills: with ability to** Analysis the contract for construction and tenders.
4. **Application skills: with ability to** preparing the tables of Quantities and Technical specifications.



Course structures:

Week		C. Hrs	ILOs	Topics	Teaching Procedure	Assessment methods
1	18/2-22/2					
2	25/2-1/3			<ul style="list-style-type: none"> - Introduction to the course - Preparation of engineering projects 		
3	4/3-8/3			<ul style="list-style-type: none"> - Definition of contract agreement - FIDIC - Types and procedure of tenders, contract 		
4	11/3-15/3			<ul style="list-style-type: none"> - Submittal and Opening of tenders - conditions of Contract - Claims, Disputes and arbitration - Introduction to the technical specifications of construction works 		
5	18/3-22/3					First Exam 18-29/3/2018
6	25/3-29/3					First Exam 25/3/2018
7	1/4 - 5/4			<ul style="list-style-type: none"> - Technical specifications of construction works 		
8	8/4-12/4					
9	15/4-19/4					
10	22/4-26/4					
11	29/4-3/5					PPT. lecture
12	6/5-10/5			<ul style="list-style-type: none"> - Preparing the tables of Quantities 		1/5/2018 Labor Day
13	13/5-					



	17/5					Quizes	
14	20/5- 24/5			- Submission of Quantities project		Reading in analytical study	
					Presentation & discussion	& Presentation	
15	27/5- 31/5	Final Exam 26/5-7/6/2018					
16	3/6- 7/6						

References:

١. " العقود والمواصفات وحساب الكميات"، داود شحادة خلف، جمعية عمال المطابع التعاونية للنشر، عمان-الأردن، 1997، الطبعة الخامسة، 2016.
٢. دفتر عقد المقاولة، الجزء الأول والجزء الثاني، وزارة الأشغال العامة والإسكان، عمان-الأردن
٣. المواصفات الفنية العامة للأبنية، المجلد الثاني، الأعمال المدنية والمعمارية، وزارة الأشغال العامة والإسكان، عمان-الأردن ، الطبعة الثانية، 1996

Assessment Methods:

Methods	Grade	Date
First Exam	15%	2/4/2017
Second Exam	15%	9/5/2017
Student Report and discussion	10%	As shown in the previous table
Quizzes & HWs	10%	
Final Exam	50%	During the weeks (15-16)

