



Philadelphia University
Faculty of Engineering & Technology
 Department of Civil Engineering
 First Semester 2025/2026

Course Information

Course Title:	Specifications, Contracts, and Quantity Surveying (0670572)
Prerequisite:	Reinforced Concrete 2 (0670412)
Credit Hours:	3 credit hours (16 weeks per semester, approximately 44 contact hours)
Textbook:	McMULLAN, J. (2019). <i>Construction Contract Administration Principles: Guide To Construction Contract Professionals</i> .
References:	The Jordanian Ministry of Public Works and Housing. <i>Civil Engineering Specifications for Jordanian Construction Projects Book</i> . The Jordanian Ministry of Public Works and Housing.(2013). <i>Jordanian Contract book</i> . http://www.jcca.org.jo/DataFiles/2017/Files/contractor2010-1013.doc
Website:	http://www.philadelphia.edu.jo/academics/alaa
Course Description:	The course intends to introduce types of contractual procedures, types of contracts, procurement, contract conditions, technical specification for buildings, bills of quantities, pricing and quantity measurement.
Instructors:	Dr. Ala'a Alshdiefat
Course Coordinator:	Dr. Ala'a Alshdiefat
Technology Requirements:	<ul style="list-style-type: none"> • Personal computer, laptop, or mobile phone. • Internet Connection. • Access to Philadelphia University E-Learning Portal (MS Teams and Moodle)
Learning Style:	F2F
Communication:	<ul style="list-style-type: none"> • Announcement: the announcements will be posted in MS Teams or Moodle on a regular basis. • Email. • MS Teams or Moodle chats.
Course Objectives:	This course aims to: <ul style="list-style-type: none"> • Enhance students' understanding for contracts, quantity surveying and specifications. • Provide students with essential Quantity surveying skills. • Enhance students' understanding for project specifications.

Course Learning Outcomes (CLO) and Relation to ABET Student Outcomes		
CLOs	Outcomes	ABET PLOs
K2	Understand specifications in construction projects and be familiar with Jordanian specifications	1
K2	Understand construction contracts' characteristics and features	6
K4	Be familiar with Jordanian construction contracts for construction projects	2
C3,C1	Be able to quantify several quantities in construction projects and able to prepare BOQ	3,5
C2	Determine the obligations of project's parties	4

Grading Policy and Assessment Instruments					
Graded Item	Marks	Topic (s)	CLO(s)	Learning Portal (Teams/ Moodle/ F2F/ Others)	Week
Project	25	Case study	K2,K4,C1,C2,C3	Moodle	15
Presentation	5		C3		15
Mid Exam	30%	Weeks 1-8	K2,K4,C1,C2,C3		8
Final Exam	40%	Week 1-15	K2,K4,C1,C2,C3		16
Total Marks	100%				
Notes:	<ul style="list-style-type: none"> • Course Project • The final exam will cover all the class material. 				

Course Content: Learning Resources/ References/ Activities/ Assessment Methods							
Week	Lecture	Topic	CLOs	Learning Resources/ References/ Activities/ Assessment Method	Learning Style (F2F, Synchronou s, Asynchrono us)	Learning & Teaching Methods	Assessment Method
1	L1	Introduction to the course	K2	Text Books	F2F	PPT	Mid Exam
	L2	Define construction contracts and specifications, and Introduction to quantify in construction projects.	K2	Text Books	F2F	PPT	Mid Exam
2	L1	Construction project parties, procurement process	K2	Text Books	F2F	PPt	Mid Exam
	L2	Factor effecting on construction contracts	K2, C1	Text Books	F2F	PPt	Mid Exam
3	L1	Type of construction contracts	K2	Text Books	F2F	PPt	Mid Exam
	L2	Type of construction contracts	K2	Text Books	F2F	PPt	Mid Exam
4	L1	Fixed price contracts	K4	Text Books	F2F	PPt	Mid Exam
	L2	Cost reimbursable contracts	K4, C1, C3	Text Books	F2F	PPt	Mid Exam, Project
5	L1	Jordanian construction contracts	K4	Text Books	F2F	PPt	Mid Exam, Project

	L2	Jordanian construction contracts	K4, C1,C2	Text Books	F2F	PPt	Mid Project Exam,
6	L1	General conditions, and special conditions	K4, C1,C2	Text Books	F2F	PPt	Mid Project Exam,
	L2	General conditions, and special conditions	K4,C2, C3	Text Books	F2F	PPt	Mid Project Exam,
7	L1	Jordanian specifications for building	K2,C2, C3	Text Books	F2F	PPt	Mid Project Exam,
	L2	Jordanian specifications for building	K2,C2, C3	Text Books	F2F	PPt	Final Exam and Project
8	L1	Reinforcement specifications	K2,C2,C 3	Text Books	F2F	PPt	Final Exam and Project
	L2	Reinforcement concrete specifications.	K2,C2,C 3	Text Books	F2F	PPt	Final Exam and Project
9	L1	Excavation and fill works	K2,C2,C 1	Text Books	F2F	PPt	Final Exam and Project
	L2	Excavation and fill works	K2,C2,C 1	Text Books	F2F	PPt	Final Exam and Project
10	L1	Concrete works	K2,C2,C 1	Text Books	F2F	PPt	Final Exam and Project
	L2	Concrete works	K2,C2,C 1	Text Books	F2F	PPt	Final Exam and Project
11	L1	Concrete works	K2,C2,C 1	Text Books	F2F	PPt	Final Exam and Project
	L2	Reinforcement works	K2,C2,C 1	Text Books	F2F	PPt	Final Exam and Project
12	L1	Reinforcement works	K2,C2,C 1	Text Books	F2F	PPt	Final Exam and Project
	L2	Reinforcement works	K2,C2,C 1	Text Books	F2F	PPt	Final Exam and Project
13	L1	Blockworks works	K2,C2, C1,C3	Text Books	F2F	PPt	Final Exam and Project
	L2	Plaster works	K2,C2, C1,C3	Text Books	F2F	PPt	Final Exam and Project
14	L1	Tile works	K2,C2, C1,C3	Text Books	F2F	PPt	Final Exam and Project
	L2	Preparing BOQ	K2, C1,C3	Text Books	F2F	PPt	Final Exam and Project
15	L1	Project Presentation	K2, C1,C3	Text Books	F2F	PPt	Participation
	L2	Review& Final exam			F2F	PPt	
16	L1	Exam			F2F		
	L2	Exam			F2F		

Notes:

For Blended and F2F Courses: L1 & L2 each 1 hour.

For Online Course: L1 and L2 each 1.5 hours.

Credit Hours Distribution Report	
Learning Style	Credit Hours
F2F	48
Synchronous	0
Asynchronous	0
Total	48
Academic Honesty/ Student Conduct	<ul style="list-style-type: none"> ○ As a student at Philadelphia University, you are expected to follow the university regulations and guidelines for academic honesty/student conduct found in student handbook. ○ This means that you should not cheat, plagiarize and let another student use your account in LMS learning portals.
Attendance Policy	Absence from classes and/or tutorials shall not exceed 15%. Students who exceed the 15% limit without a medical or emergency excuse, acceptable to and approved by the Dean of the relevant college/faculty, shall not be allowed to take the final examination and shall receive a mark of zero for the course. If the excuse is approved by the Dean, the student shall be considered to have withdrawn from the course.

October 2024