



Course Specification

— (Bachelor)

Course Title: Specifications and Quantities

Course Code: DEG 466

Program: Architecture

Department: Architecture

College: Architecture and Planning

Institution: Qassim University

1. Course Identification

Course general Description:

The course discusses the principles, theories and technical systems of quantities and specifications and their importance as one of the important elements in the construction industry. Analysis of economic variables that contribute to determining the prices of the construction process of materials, laborers and equipment. The method of calculating the quantities of items for the implementation of buildings and various structural elements of drilling and embankment, concrete and insulating layers and concrete works and the work of buildings and finishes complete, and access to brief specifications of these works with training on a small project.

Course Main Objective(s):

By the end of this course the students will be able to:

1. Appropriate understanding and application of building material systems and their
2. Know the concept of calculation quantities and specifications.
3. Understand all items and works of construction.
4. Ability to collect, evaluate, register and apply information relevant to quantities and specifications.
5. Ability to perform works of calculation of quantities.
6. Ability to plan and put the general specifications for all items and works of construction.

2. Course Learning Outcomes (CLOs)

Code	Course Learning Outcomes	Code of CLOs aligned with program
1.0	Knowledge and understanding	
1.1	Define the concept of calculation quantities and specifications.	K1
1.2	Classify and identify collect, evaluate, register and apply information relevant to quantities and specifications.	K1
1...		
2.0	Skills	
2.1	Analyse plan and related specifications for all items and works of construction.	S2



Code	Course Learning Outcomes	Code of CLOs aligned with program
2.2	Evaluate the works performance of calculation of quantities.	S2
2.3	Assess the fundamentals of building costs.	S3
2...		
3.0	Values, autonomy, and responsibility	
3.1	Aware the rights and duties of the owner, the contractor and the consultant.	V1

3. Students Assessment Activities

No	Assessment Activities *
1.	Quizzes, Practical assignments
2.	Mid-term exam
3.	Final Exam

4. Learning Resources and Facilities

Essential References	<ul style="list-style-type: none"> - "Architectural Technology - Quantities and Architectural Specifications", Technical and Vocational Training Corporation - Saudi Arabia, 2013. - Robert Effective Project Management, K. Wysocki and Rudd Mc. Gary, 2006, Wiley. - The Project Management Question and Answer Book, Michael W. Newell and Marina, 2004, N.Y.
Supportive References	STANDARD SPECIFICATIONS FOR MUNICIPAL CIVIL ENGINEERING WORKS, 3rd Ed., Pretoria, 2005.
Electronic Materials	None
Other Learning Materials	Illustrated lectures and a scientific material prepared according to the PowerPoint program.

