



# Course Specification

— (Bachelor)

**Course Title:** WORKING DRAWING DOCUMENTS (2)

**Course Code:** DEG 323

**Program:** Architecture

**Department:** Architecture

**College:** Architecture and Planning

**Institution:** Qassim University

## 1. Course Identification

### Course general Description:

The course deals with the training of the student on how to prepare the working drawings and the advanced details of the doors and windows in terms of types and implementation materials and draw details of them in different sizes.

Moreover, the study of different finishing materials for floors, walls, partitions and ceilings of various types of materials and the preparation of drawings and architectural details of their own, and roofs borrowed. In addition to studying the architectural details of the structural systems and the advanced coverings and the modern luxuries of all kinds.

### Course Main Objective(s):

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

- **Appropriate** understanding and application of building material systems and their installation from the inside and building services e.g. plumbing, electricity, vertical connection, communications, security and fire protection.
- **Understanding** to assess, select and integrate of conceptual structural systems, building protection systems, environmental regulations, safety systems and service systems in building design including sound modification systems, lighting, and others.
- **Appropriate** understanding, application and performance of building materials and products, including its environmental impact and reuse.
- **Understanding** the fundamentals and costs of life cycle and construction estimates.
- **Ability** to perform accurate working drawings and write outlines of proposed design specifications.

The ability to produce an architectural project based on the construction program and the site, which includes programmed areas that demonstrate understanding of construction systems, life safety requirements, wall sections and what can be assembled in building.

## 2. Course Learning Outcomes (CLOs)

Code	Course Learning Outcomes	Code of CLOs aligned with program
1.0	Knowledge and understanding	
1.1	<b>Understanding</b> and realize the appropriate application of contemporary construction systems.	K-1



Code	Course Learning Outcomes	Code of CLOs aligned with program
1.2	<b>Understanding</b> to apply building materials systems and their installation.	K-1
1...		
<b>2.0</b>	<b>Skills</b>	
2.1	<b>Training</b> students to recognize how to analyze rather than to describe only.	S-2
2.2	<b>Ability</b> to make accurate shop drawings and write outlines of the proposed design specifications.	S-3
2.3	<b>Enable</b> the student to understand the criticism and analytical capacities.	S-4
<b>3.0</b>	<b>Values, autonomy, and responsibility</b>	
3....		

### 3. Students Assessment Activities

No	Assessment Activities *
1.	Assignment 1 - Review the project and make notes
2.	Assignment 2 - Delivery of basic drawings of the project
3.	Assignment 3 - Details of the openings
4.	Assignment 4 - Stair details
5.	Assignment 5 - Wall sections
6.	Assignment 6 - Other architectural details
7.	Assignment 7 - Sanitary and Water Supply Works
8.	Assignment 8 - Electrical Works
9.	Final Evaluation

### 4. Learning Resources and Facilities

#### Essential References

- Francis Ching, 1991, Building Construction illustrated, John Wiley & Sons, Inc. N.Y.
- Working drawings -1&2, 2013, Technical and Vocational Training Corporation, Kingdom of Saudi Arabia.





	Construction 1&2 Handbook, 2004, Southbank Institute of TAFE, U.K.
<b>Supportive References</b>	Ernst Neufert, 2002, Architect's Data, 3rd Ed., Black well Science Ltd, U.K.
<b>Electronic Materials</b>	None
<b>Other Learning Materials</b>	Illustrated lectures and a scientific material prepared according to the PowerPoint program.

