



# Course Specification

— (Bachelor)

Course Title: **Architectural Design Studio -4**

Course Code: **ARCH 306**

Program: **Architecture**

Department: **Architecture**

College: **Architecture and Planning**

Institution: **Qassim University**

## 1. Course Identification

### Course general Description:

This course focuses on the design of various residential buildings, which are based on the diverse needs, values, behavioral rules, physical abilities, social and spatial patterns of different cultures and individuals, and design sites, facilities and systems to provide independent and integrated use by handicapped, Application and performance appropriate for service systems.

### Course Main Objective(s):

In this course, the students will:

1. Understand the diverse needs, values, behavioral norms, physical abilities, and social and spatial patterns that characterize different cultures.
2. Ability to design sites, facilities, and systems to provide independent and integrated use by individuals with physical (including mobility), sensory, and cognitive disabilities.
3. Understand the basic principles and appropriate application and performance of building service systems.

## 2. Course Learning Outcomes (CLOs)

Code	Course Learning Outcomes	Code of CLOs aligned with program
<b>1.0</b>	<b>Knowledge and understanding</b>	
1.1	Describe the sites design, facilities, and systems to provide independent and integrated use by individuals with physical (including mobility), sensory, and cognitive disabilities.	K-1
1.2	Define the building form, functionalism, spaces relations with the urban context.	K-2
1.3	Identify how to gather, assess, record, apply, and comparatively evaluate relevant information within architectural coursework and design processes regarding housing and social and authority aspects.	K-3
<b>2.0</b>	<b>Skills</b>	
2.1	Apply green technology and sustainable concept in the building design and analyze an existing precedent through a specific design research process.	S-2



Code	Course Learning Outcomes	Code of CLOs aligned with program
2.2	Integrate building function and basic principles of life-safety systems with an emphasis on egress as well as the needs for handicaps.	S-2
2.3	Ability to estimate the building costs, project financing, return on investment (ROI) and construction analysis, indicating the approximate cost per square meter.	S-3
<b>3.0</b>	<b>Values, autonomy, and responsibility</b>	
3.1	Follow of construction legislation and adhering to legal requirements.	V-1
3.2	Appreciating of working within a team to obtain housing information needed for the projects.	V-2

### 3. Students Assessment Activities

No	Assessment Activities *
1.	Assignment 1 - Research about design principles.
2.	Assignment 2 - Architectural mass and plans.
3.	Assignment 3 - Sections & elevations.
4.	Assignment 4 –All Previous +Mass on site- (Pre-final)
5.	Assignment 5 - Final Project (Jury session)
6.	Portfolio

### 4. Learning Resources and Facilities

<b>Essential References</b>	Mornement, A., & Biles, A. (2009). Infill: new houses for urban sites. Laurence King Publishing.
<b>Supportive References</b>	Saudi Building Code National Committee. (2007). The Saudi Building Code (SBC)—Section 601: Energy Conservation. Riyadh, Saudi Arabia, 196.
<b>Electronic Materials</b>	NONE
<b>Other Learning Materials</b>	NONE

