



Course Specification

— (Bachelor)

Course Title: **Architectural Design Studio (2)**

Course Code: **ARCH 204**

Program: **Architecture**

Department: **Architecture**

College: **Architecture and Planning**

Institution: **Qassim University**

1. Course Identification

Course general Description:

The course deals with architecture unity and models of spaces, forms and volumes and their arrangement within a specific location. Basic landscape design between the spaces and or forms is also considered. Students need to work with base gridlines of the project and apply basic design principles in the design including, linear, radial, axial, central, grid and clustered. Students will apply design-thinking skills to introduce innovative solutions for the project. Students need to collect data from specific sites and perform site inventory and analysis. Space function and priorities of spaces are also introduced in the design project.

Course Main Objective(s):

1. Analysis the site and precedent to recognize the basic requirements for design development.
2. Know how to identify the components of the project and then define the formation of relations between the components, as well as the definition of study and analysis of site planning and design, indicators and guides and bubble diagram.
3. Identify the unit and module of building forms and layout for specific project.
4. Know the concept of initial and primary ideas of architectural design for both the layout and the design of the site for the entire drawings in monochrome lines with studying the model of the idea.
5. Know the concept of architectural design development before, during and after the working of technical solutions.

2. Course Learning Outcomes (CLOs)

| Code | Course Learning Outcomes | Code of CLOs aligned with program |
|------------|--|-----------------------------------|
| 1.0 | Knowledge and understanding | |
| 1.1 | Recognize the principle of unit and module and application in design project with various thinking solutions. | K1 |
| 1.2 | Identify appropriate representational media, such as traditional graphic and digital technology skills, to convey essential formal elements at each stage of the programming and design process. | K1 |
| 1.3 | Define the site context and introduce valid accessibility for various users to the building / projects. | K2 |
| 2.0 | Skills | |
| 2.1 | Ability to design project that shows model and unity principles within site context and provide independent and integrated usability solution for individuals with physical (including mobility), sensory, and cognitive disabilities. | S1 |



| Code | Course Learning Outcomes | Code of CLOs aligned with program |
|------------|---|-----------------------------------|
| 2.2 | Ability to raise clear and precise questions, use abstract ideas to interpret information, consider diverse points of view, reach well-reasoned conclusions, and test alternative outcomes against relevant criteria and standards. | S2 |
| 2.3 | Ability to prepare a comprehensive project that meets user needs, functional solutions for all project spaces, as well as considering environmental aspects. | S2 |
| 3.0 | Values, autonomy, and responsibility | |
| 3.1 | Cooperation in carrying out environmental research and studies for the project site. | V2 |

3. Students Assessment Activities

| No | Assessment Activities * |
|----|---|
| 1. | Assignment 1- Site Inventory, Analysis and Synthesis |
| 2. | Assignment 2- SITE PLAN + MODULES presentation |
| 3. | Assignment 3- PLANS & 3D Model presentation |
| 4. | Assignment 4- ELEVATIONS & SECTION presentation |
| 5. | Assignment 5- SECTIONS + In.& Out. SHOTS presentation |
| 6. | PRE-FINAL presentation of the project |
| 7. | FINAL presentation of the project |

4. Learning Resources and Facilities

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| Essential References | Ernst and Peter Neufert, Architects' Data, Fourth Edition, Blackwell Publishing Ltd., 2012. |
| Supportive References | Joseph Chiara& John Callener, Time-Saver Standards for Building Types, Second Edition, 2008. Edward T. White, "Site Diagramming for Architectural Information Design Analysis", Architectural Media Ltd, United States of America, ISBN 1.928643-04-3, 1983. |
| Electronic Materials | https://archive.org/details/Architectural_Standard_Ernst_Peter_Neufert_Architects_Data . |
| Other Learning Materials | Illustrated lectures and scientific material prepared according to the PowerPoint program. Abu Ouf, Tarek Farooq, Design Concept, Umm Al Qura University, K.S.A, 2015. |

