

**Course name:** ARCHITECTURAL DESIGN STUDIO (2)

**Course code:** ARCH 204

**Course hours:** Credit hours 5, Contact hours 10

**Course Pre-requisites:** ARCH 103

### Course Description

The course deals with the relationship between the multiple functions of spaces on the one hand and the morphological and structural configurations of the buildings of these different spaces by studying a design project with simple, simple and monolithic interfaces. The student also takes into account the basic relations between the elements and some of them. The student will also study the structure of the second job in the design of the second stage of project and choose a computer program to help with the design to apply some of the requirements of the second stage of project.

### Course Main Objective

In this course, the students will be:

- Know the steps of architectural design by providing an integrated program in it.
- Ability to study and analysis similar cases and to know the importance of field visits to similar local cases as well as the importance of visiting the site supposed to establish the project.
- Know of 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.
- 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.
- Know the concept of architectural design development before, during and after the working of technical solutions.

### Course Learning Outcomes

After the completion of this course, the students will be able to;

- 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.
- Ability to use 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.
- Ability to design sites, facilities, and systems to provide independent and integrated use by individuals with physical (including mobility), sensory, and cognitive disabilities.
- Design sites, facilities and systems to provide independent and integrated.
- Training students to understand how to analyses rather than describe only.

### Course evaluation

- Attendance and instructor's evaluation
- Weekly/biweekly reviews
- Class participation
- Mid-term Review
- Pre-final
- Final Jury

### Course recommended books

- Ernst and Peter Neufert, Architects' Data, Fourth Edition, Blackwell Publishing Ltd., 2012.

### Course References

- Joseph Chiara & John Callener, Time-Saver Standards for Building Types, Second Edition, 2008.