

Course name: THEORY OF ARCHITECTURE-2

Course code: ARCH 243

Course hours: Credit hours 2, Contact hours 2

Course Pre-requisites: ARCH 141

Course Description

The course deals with the study of the architectural spaces in terms of the functional requirements, As well as verification of what the student learned from the previous requirement through the analysis of the concepts of architecture and design of the different types of buildings (residential, religious, educational, cultural, health, administrative, sports, transportation, etc.) and included for accessibility and movement, and sensory and cognitive disabilities, Security and safety, with emphasis on escape stairs.

Course Main Objective

In this course, the students will be to:

- Introducing students to the stages and components of Islamic architecture and art and the reasons
- Understanding the architectural space and functional requirements to use the architectural element. Present a general knowledge about movement in buildings and movement of the disabled.
- knowledge on the design problems and their integration with life safety systems and methods and methods of treatment.
- Teaching students' methods of analysis of functional spaces and enable them to link the functional relations of the elements of the building.

Course Learning Outcomes

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

- Understanding of the fundamentals of both natural and formal ordering systems and the capacity of each to inform two- and three-dimensional design.
- Develop Define students' ability to understand design sites, facilities and systems to provide independent and integrated use by individuals with physical, sensory, and cognitive disabilities.
- Enable student from an apply the basic principles of life-safety systems with an emphasis on egress.
- Prepare the field researches, study and analysis.

Course evaluation

- Quizzes, practical assignments
- Weekly/biweekly reviews
- Midterm examination
- Attendance
- Final examination

Course recommended books

- Francis D.K, (1996). Architecture: Form, Space and Order, Ching, Van Nostrand Reinhold Company, New York.

Course References

- Abdul Bake Ibrahim, (1987). Building Architectural Thought and Design Process, Center for Planning and Architectural Studies, Cairo.
- Ali Bin Salem Bahamam Translation, (1422H) Elements of Architectural Design, Optical Reference, Borden, Ernst, , Scientific Publishing and Printing, King Saud University, Riyadh.
- The Saudi Code for Security and Safety.
- Scientific journals: (world of construction, Saudi construction, design, architecture, etc.), and websites.