

Courses Description

College: Engineering

Department: Architectural Engineering

Course ID: 170407710 **Description:** Architeture and Humans

Full Course Description: This course examines the ways human senses experience architecture. The aim of this examination is to refine the architectural experience on the functional and aesthetic levels. It approaches architecture as an extension of nature that facilitates the interaction between humans on one hand and between humans and nature on the other hand.

Course ID: 170407712 **Description:** Emergency Architecture

Full Course Description: This course deals with architecture that happens in a quick response to sudden circumstances, be it natural or man-made. Although emergency architecture obviously deals with domestic needs, the course will also shed light on the urban dimension.

Course ID: 170407720 **Description:** Threories and Criticism in Architecture

Full Course Description: This course aims to develop a critical and analytical approach to architecture as form and space within specific socio-cultural, political, economic and geographic contexts.

Course ID: 170407721 **Description:** Philosophy of Design

Full Course Description: The course examines the philosophies that shape the spatial configuration, material use, the shape of the building, and the relationship between the indoor and the outdoor. In addition, the course examines the philosophies behind the shaping and reshaping of urban spaces according to conceptual, economic, political and social contexts.

Course ID: 170407730 **Description:** Sustainable Design in Built Environment

Full Course Description: This course aims to define sustainability in built environment and its influence on the quality of life. It draws on ancient and modern approaches to sustainability to create a building that is responsive to human needs, climatic conditions, socio-cultural and political contexts.

Course ID: 170407731 **Description:** Construction Techniques and Methods in Advanced Architecture

Full Course Description: This course aims to assess the technological development since the industrial revolution on the methods of architecture and construction, the external shape and the internal distribution of spaces and its impact on the environment and human beings, leading to modern systems in sustainable construction and the uses of technology in that.

Course ID: 170407740 **Description:** Management of Heritage Built Environment

Full Course Description: The course examines the different approaches to heritage management that comply with the context in which this management takes place. Although it reviews heritage from a global perspective, it focuses on local and regional values of, and approaches to, heritage.

Course ID: 170407751 **Description:** Advanced Studies in Housing

Full Course Description: Introducing the methods of designing different types of housing as it is a reflection of an intellectual, social, economic and geographical civilizational system. Studying the housing situation within the challenges posed by various political and natural factors. Focusing on different case studies within a cultural reality close to Jordan.

Course ID: 170407760 **Description:** Theories and Methods in landscape Architecture

Full Course Description: This course examines the different levels of landscape architecture with special emphasis on the methods of analysis and evaluation of urban landscape as a basic step towards design and redesign of urban landscape. It approaches landscape as extension of the interior space that enhances the human experience of architecture. Global, regional and local cases will be used to achieve this.

Course ID: 170407770 **Description:** Scientific Research 1

Full Course Description: This course aims at teaching technical writing of research, types of research, and theories and methods in research, with special interest in quantitative methods, and the computer programmes associated with it. It focuses on the application of quantitative methods in the built environment related studies.

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Course ID: 170407771 **Description:** Scientific Research 2

Full Course Description: This course aims at teaching qualitative theories and methods in research, and the computer programmes associated with it. It focuses on the application of qualitative methods in the built environment related studies.

Course ID: 170407772 **Description:** Special Topics

Full Course Description: The subjects examined in this course are decided upon agreement between the instructor of the course and the Higher Education Committee in the department.

Course ID: 170407799 **Description:** Thesis

Full Course Description: aa

Course ID: 1704073799 **Description:** Thesis

Full Course Description:

Course ID: 1704076799 **Description:** Thesis

Full Course Description:

Course ID: 1704079799 **Description:** Thesis

Full Course Description: