

Course name: INTRODUCTION TO URBAN DESIGN

Course code: ARCH 351

Course hours: Credit hours 2, Contact hours 3

Course Pre-requisites: None

Course Description

Introduction to the basic principles and theories of urban design, the field of urban design. its importance and its fields, the student's knowledge of the stages of development of urban design, the study and analysis of the dimensions of the different urban design, an explanation of the principles of the design of the basic architectural elements, the student's definition of the urban design process and its components and outputs.

Course Main Objective

In this course, the students will be to:

- Understand the diverse needs, values, social and spatial patterns that characterize different cultures and individuals and the implications of this diversity on the design of urban spaces.
- Have a basic understanding of theories and methods that seek to clarify the relationship between human behavior and the physical environment and urban void.
- Able to collect, evaluates, register and apply information related to urban design.
- Able to implement urban development through the existing urban areas.
- Able to conduct visual perception studies, physical studies and user's behavior analysis.
- Able to recognize of methods and means of developing urban character for existing urban areas.

Course Learning Outcomes

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

- Recognize of the diverse needs, values, social and spatial patterns that characterize different cultures and individuals and the implications of this diversity on the design of urban spaces.
- Implement of theories and methods that seek to clarify the relationship between human behavior and the physical environment and urban spaces.
- Enhance The student ability to work constructively within field survey group.
- Improve student responsibility for his self-learning, which requires the use of means to search for new information in the field of human aspects of urban form.

Course evaluation

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

Course recommended books

- Auof, Ahmed: The Principles of Urban Design, Cairo, 2002.

Course References

- An Introduction to Urban Design, Barnett, Jonathan, (1982), Harper & Row, New York.
- Urban Design: Street and Square, Moughtin, C., et al, (2003), Architectural Press.
- Time Saver Standards for Urban Design, Watson, D.; et al, (2003), The McGraw-Hill Companies, Inc.
- Urban Design Reader, Carmona, M., et al., (2007), Architectural press.
- Public places – urban spaces: the dimensions of urban design, Carmona, M., et al., (2003), Architectural press.