

## Faculty of Engineering & Technology

### Urban Design & Housing 2

#### Information :

**Course Code :** ARC 552

**Level :** Undergraduate

**Course Hours :** 3.00- Hours

**Department :** Department of Architectural Engineering

#### Instructor Information :

Title	Name	Office hours
Lecturer	DINA MAAROUF AHMED MOHAMED DIEFALLAH	6
Assistant Lecturer	BASMA MOHAMED NAGIB IBRAHIM KHALIFA	
Assistant Lecturer	Fatma Elzahraa Ibrahim Ahmed Abdelrahman	
Teaching Assistant	Kamal Abdeleziz Ali Selim	

#### Area Of Study :

Upon successful completion of the course:

- Develop students' demonstration of the application of methods and techniques of urban design theories.
- Prepare student to differentiate between the urban design and its area of work through the practical field of urban planning, urban design and architecture,
- Increase the students' ability to demonstrate the socio- cultural- economic aspects in housing projects through the new development level.
- Assist students in developing skills and techniques in the fields of urban design and housing.
- Train students to distinguish the skills of the research tools, and the tools of research methodology; data gathering, analysis, and documentation.
- Prepare students to manage the determination of the problems, and create tools to solve the problems in the field of urban design, urban conservation and preservation.
- Increase students' ability to assess the urban documentation by using the different methods; reports will supplementary material, which may include.
- Train students to communicate effectively with others.
- Develop students' ability to make a decision in accordance with the available resources.

#### Course outcomes :

##### a.Knowledge and Understanding: :

1 -	a.1. Identify the urban design and housing theories and movements
2 -	a.2. Recognize urban design element for the new development projects.
3 -	a.3. Point different elements of the built environment and housing projects
4 -	a.4. Outline the socio-cultural, socio-political, socio-economic issues to urbanism and new urbanism movements.

##### b.Intellectual Skills: :

1 -	b.1. Apply the design process in the project.
2 -	b.2. Analyze data on different levels
3 -	b.3. Assess existing urban design and housing projects, & elements of the built environment

4 -	b.4. Suggest and evaluate alternative urban design settings
<b>c. Professional and Practical Skills: :</b>	
1 -	c.1. Construct project out line.
2 -	c.2. Specify problems with great complexity
3 -	c.2. Specify problems with great complexity
4 -	c.3. Design alternative solutions to large scale urban design and housing projects that integrate different social and cultural variables and encompass all scales of environmental design.
5 -	c.4. Judge the applications of contemporary tools and approaches to urban design problems.
<b>d. General and Transferable Skills: :</b>	
1 -	d.1. Present projects and data using different techniques (computer, manual etc.).
2 -	d.2. Communicate effectively with others.
3 -	d.3. Presenting the work using common techniques and tools

### **Course Topic And Contents :**

<b>Topic</b>	<b>No. of hours</b>	<b>Lecture</b>	<b>Tutorial / Practical</b>
Introduction	2	2	4
The relationships between man and environment,	2	2	4
Method and Techniques, Urban Design physical components	2	2	4
Urban Form Generation; Spatial Form	2	2	4
Urban Control	2	2	4
1st submissions and follow up of all staff comments.	2	2	4
History of urban design as a field of practice.	2	2	4
Theory of urban design	2	2	4
Visual aspects in large urban design projects. elevations (follow up)	2	2	4
Elements of Open Spaces/Urban Spaces	2	2	4
Housing clusters/ Project follow up	2	2	4
2nd submissions and follow up of all staff comments	2	2	4
Housing: neighborhood unit	2	2	4
Landscape Architecture for large urban design and housing projects.	2	2	4
3rd submissions	2	2	4

### **Teaching And Learning Methodologies :**

Interactive Lectures
Research
Classwork

### **Course Assessment :**

<b>Methods of assessment</b>	<b>Relative weight %</b>	<b>Week No</b>	<b>Assess What</b>
Assignments / Studio work	30.00		

Final exam	40.00		
in-class quizzes/ Midterms	20.00		
Participation	10.00		

**Course Notes :**

No course notes are required.

**Recommended books :**

- [1] Bentley, Alcock, Murrain, Mcglynn, and Smith, Responsive Environments, A Manual for designer, Butterworth Architecture, (1985).
- [2] Gosling, David, Gordon Cullen: Visions of Urban Design, Academy Editions, (1996)
- [3] Llewelyn-Davies, Urban Design Compendium, English Partnerships, The Housing Corporation, First Published (2000).
- [4] Moughtin. Cliff. ET, Urban Design; Method and Techniques, Architectural Press. (1999).
- [5] Moughtin. Cliff. ET, Urban Design; Street and Square, Third Edition, , Architectural Press. (2003).
- [6] Moughtin. Cliff. ET, Peter Shirley, Urban Design; Green Dimensions, Second Edition, Architectural Press. (2005).
- [7] Fleming, John, ET. Al., the Penguin Dictionary of Architecture and Landscape Architecture, the Penguin Group, Fifth Edition, (1998)
- [8] Alexander, Christopher, A. Neis, H. Anninou, A., and King, I., A New Theory of Urban Design, Oxford: Oxford University Press, (1987)
- [8] Brolin, Brent. Architecture in Context. Fitting New Buildings with Old, Van Nostrand Reinhold Company. N.Y., USA. (1980).
- [9] Gosling, David. Et. Al., Concepts of Urban Design, Academy Editions. Martin & Press. London. Britain. (1984)
- [10] Krier, Robert, Urban Space, Academy edition, Rizzoli, New York, (1979).
- [11] Jon Lang (2005), URBAN DESIGN: A TYPOLOGY OF PROCEDURES AND PRODUCTS, Illustrated with over 50 Case Studies, the Master in Urban Development