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	7
Teaching Assistant	Omar Magdy Ahmed Ibrahim Elbahrawy	
Teaching Assistant	Salma Mohamed Eltohamy Elgendy	
Teaching Assistant	Ahmed Ragab Ahmed Elbaz	

Area Of Study :

1.Develop an appreciation of the importance and scope of urban design & Housing.

2.Identify the role of the urban designer in shaping the built environment.

3.Differentiate between the levels of urban planning and design.

4.Enumerate the reasons for contemporary urban design problems.

5.Develop an appreciation of the importance if open design in city design.

6.Analyze the components of the city and urban design projects.

7.Develop a program for a specific project given certain variables.

8.Devise plans for projects in new locations or in old existing ones.

Description :

Housing and development of housing areas, Housing development: processes, Analysis and shaping of housing areas; Analysis, assessment and design of housing types and patterns, Completed and incremental housing development, Site planning, Socio-economic aspects of housing.

Course outcomes :

a.Knowledge and Understanding: :

1 -	Define key terms and expressions that are used in the profession.
2 -	Differentiate between the concept of space and place (Place Theory).
3 -	Define the elements of the urban landscape (landmarks, nodes, pathsõ Ɗ
4 -	Distinguish between the legibility of different parts of the city.
5 -	Classify and evaluate open spaces, squares and paths in the city.

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6 -	Analyze the development of contemporary planning theory.

b.Intellectual Skills: :

1 -	Associate between changing social and cultural variables and their impact on urban form.
2 -	Differentiate between urban design & housing application in different context.
3 -	Categorize mobility patterns, streets and urban form.
4 -	Apply contemporary theories to the urban design projects and open spaces.
5 -	Evaluate the different applications of contemporary city planning.

c.Professional and Practical Skills: :

1 -	Analyze significant open public spaces and urban design projects.
2 -	Design elements that can enhance existing open spaces and streets.
3 -	Evaluate the existing conditions in cities, districts and urban form.
4 -	Formulate a building and space program for a given project.
5 -	Create a new design to fit with a given existing context.

d.General and Transferable Skills: :

1 -	Develop the ability to work in groups.
2 -	Expand their design techniques .
3 -	Develop graphic presentation skills.

Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
Urban design & Housing theories.	8	4	4
Site analysis.	8	4	4
Land use program.	8	4	4
Urban design concept.	8	4	4
Detailed Urban design.	16	4	12
Urban space design.	12	4	8

Teaching And Learning Methodologies :

Seminars.
Design studio.
Field trips and observation.
Student presentations.
Pin-ups and criticism.
Class discussions, sessions and design critiques.

Course Assessment :

Methods of assessment	Relative weight %	Week No	Assess What
Assignments.	20.00		
Attendance & Participation	10.00		

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Exams.	20.00		
Final Project.	20.00		
Final-term examination.	30.00		

Course Notes :

No course notes are required.

Recommended books :

˝Urban forms (the death and life of the urban block), Philippe Panerai - Jean Castex - Jean Charles Depaule . Ívor Samuels, UK, 2004.

˝Responsive environments (a manual for designers), Bentley Alcock Murrain Mcglynn Smith, Britain, 1995.

˝Public places urban spaces (the dimensions of urban design), Matthew Carmona . ÍTim Heath . ÍTaner Oc . ÍSteve Tiesdell, UK, 2003.

˝Urban design method and techniques (second edition), Cliff Moughtin . ÍRafael Cuesta . ÍChristine Sarris . ÍPaola Signoretta, Britain, 2003.

˝Urban design (green dimensions), Cliff Moughtin, Britain, 1996.

˝Life between buildings (using public space), Jan Gehl, Danish, 2001.

˝The image of the city, Kevin Lyncb, USA, 1993.

˝Time Saver . ÍResidential part.

Periodicals :

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Web Sites :

www.splintercat.org
http://www.geocities.com/
www.newurbanism.org.