

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 :

- Develop a proper site analysis and planning.
- Identify the role of the socio-economic and contextual aspects in the project design.
- Differentiate between the different types of housing projects and typologies.
- Enumerate the reasons for contemporary urban design problems.
- Develop an appreciation of the importance of open design in city design.
- Develop a program for a specific project given certain variables.
- Devise plans for projects in new locations or in old existing ones.
- Analyze the urban fabric in existing developments.
- Design and evaluate alternative solutions.

Course outcomes :

a. Knowledge and Understanding :

1 -	Identifying the impacts of the socio-economic aspects on urban design and housing projects.
2 -	Recognizing urban design element for the new development projects.
3 -	Pointing different elements of the built environment.
4 -	Outlining different housing principles, levels and prototypes.

b. Intellectual Skills :

1 -	Applying the design process throughout the project.
2 -	Analyzing data on different levels
3 -	Assessing existing urban design projects and elements of the built environment
4 -	Suggesting and evaluating alternative urban design and housing settings

c. Professional and Practical Skills :

1 -	Constructing project out line.
2 -	Specifying problems with great complexity

3 -	Designing alternative solutions to large scale urban design and housing projects that integrate different social and cultural variables and encompass all scales of environmental design.
4 -	Judging the applications of contemporary tools and approaches to urban design and housing problems.

d.General and Transferable Skills :

1 -	Presenting projects and data using different techniques (computer, manual & etc.).
2 -	communicating effectively with others.
3 -	Representing the work using common techniques and tools.

Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
Cases of large scale urban design projects	2	2	4
Urban spaces and enclosure	2	2	4
Urban accessibility and road networks	2	2	4
Urban Character & Visual aspects in large urban design and housing projects.	2	2	4
The housing problem in Egypt. / Housing typologies	2	2	4
Mid-term (1) and 1st submission and follow up	2	2	4
Housing : Types of Housing ; clustering and grouping	2	2	4
Housing Regulations	2	2	4
Project Master Plan and Study Model (follow up)+ details and urban sections & elevations (follow up)	2	2	4
Landscape Architecture for large urban design projects.	2	2	4
Mid-term (2) / 2nd submissions and follow up of all staff comments	2	2	4
Examples on public housing	2	2	4
Examples on incremental housing	2	2	4
Project: Master Plan and Study Model(follow up)+ details and elevations (follow up)	2	2	4
Project Final submission and discussion	2	2	4

Teaching And Learning Methodologies :

Lectures
research
classwork

Course Assessment :

Methods of assessment	Relative weight %	Week No	Assess What
Assignments / studio work	30.00		
Attendance & Participation	10.00		
Final exam	40.00		

Course Notes :

No course notes are required.

Recommended books :

Carmona, Matthew, Taner Oc. Et al, Public Places - Urban Spaces: The Dimensions of Urban Design, Boston : Architectural Press, (2003).

"Urban forms (the death and life of the urban block), Philippe Panerai - Jean Castex - Jean Charles Depaule . Ávor 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 . ÁTim Heath . ÁTaner Oc . ÁSteve Tiesdell, UK, 2003.

"Urban design method and techniques (second edition), Cliff Moughtin . ÁRafael Cuesta . ÁChristine Sarris . ÁPaola 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 Lynch, USA, 1993.

"Time Saver . ÁResidential part.

Periodicals :

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Web Sites :

www.splintercat.org

<http://www.geocities.com/>

www.newurbanism.org.