Faculty of Engineering & Technology

Elective 4 \ Community Development and Participatory Design

Information :

Course Code :	ARC E04	**Level** :	Undergraduate	**Course Hours :**	3.00- Hours

Department :	Department of Architectural Engineering

Instructor Information :

Title	Name	Office hours
Professor	Abeer Mohamed Reda Mohamed Elshater	1
Assistant Lecturer	ETHAR ESSAM MAHMOUD ALY ELSHINAWY	1

Area Of Study :

1. Develop design process awareness (including data gathering and analysis).
2. Share ideas and work in a team or a group.
3. Develop drawing and representation techniques.
4. Develop awareness of circulation systems, structures, lighting and form as applied to small scale buildings.

Description :

The course looks at the existence of privacy and territoriality in traditional Arab cities regarding the morphological analysis of the urban spatial pattern. Land utilization, population density, site and services projects for the low income groups. The districts closely integrated physical and social fabric and the way in which social, economic, and cultural factors could all together affect the development of that community.

Course outcomes :

a.Knowledge and Understanding: :

1 -	Identify Human Sciences and Natural Sciences.
2 -	Define Environmental Psychology as a relevant discipline of local dense communities.
3 -	Summarize the physical common traits in human perception.
4 -	Identify the common psychological structures and responses of local dense communities.
5 -	Explain individual differences and preferences.
6 -	Explain the difference between the concepts of space and place.
7 -	Outline people's psychological needs in open spaces of local dense communities
8 -	Extend space ideality and the narrative concept.

b.Intellectual Skills: :

1 -	Compare the discussed concepts with other relevant concepts
2 -	Apply concepts on existing projects of local dense communities. .

c.Professional and Practical Skills: :

1 -	Not Applicable

d.General and Transferable Skills: :

1 -	To search effectively

Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
Urban Rehabilitation	12	6	6
Historic Cities	8	4	4
Design Development of local dense communities	12	6	6
Identity, Character and Urban Pattern	8	4	4
The Morphology Of Spaces In Islamic Cities	8	4	4
The Residential Unit Design Criteria	12	6	6

Teaching And Learning Methodologies :

Lectures.

Tutorial

Group work

Seminar

Course Assessment :

Methods of assessment	Relative weight %	Week No	Assess What
Assignments.	40.00		
Final exam.	40.00		
Participation.	10.00		
Reports	10.00		

Course Notes :

o Chermayeff, Serge. (1965), Community and Privacy. Anchor Books, USA.
o Sanoff, Henry. (1991) Visual Research Methods in Design, Van Nostrand
Reinhold, USA.
o Smith, Peter. (1979). Architecture and the Human Dimension, The Pitman Press,
UK.

Recommended books :

o Rapoport, Amos. (1977). Human Aspects of Urban Form, Pergamon Press, USA.
o Hillier, Bill. (1988). The Social Logic of Space. Cambridge University Press, UK.-Francis D.K. Ching/Architecture:
Form . ÁSpace and Order.

Periodicals :

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Web Sites :

http://www.fue.edu.eg

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