Faculty of Engineering & Technology

Human Studies in Architecture

Information :

| **Course Code :** | ARC 323 | **Level** | : | Undergraduate | **Course Hours :** | 2.00- Hours |

| **Department :** | Department of Architectural Engineering |

Instructor Information :

Title	Name	Office hours
Professor	OSAMA Mohammad Elrawi Osama Elrawi	2
Associate Professor	Rania Badawy Shokry Abd El Rahman	1

Area Of Study :

˝ÁThe role of humanities in Architecture and Planning.
˝ÁThe mutual effects between human behavior and built environment which in turn have an impact on Architectural and Urban Design.
˝ÁThe student's perception of both indoor and outdoor spaces depending on the behavioral and psychological factors, and hence supporting decision-making process.

Description :

The course looks at architecture within the framework of human sciences. The history of human sciences in architecture, Human theories and society formation, Environment relationship, Perception, behavior and culture, Behavior and the built environment, Human needs in relation to social concepts, Humanities in contemporary architecture, Sampling, data gathering and social research tools, Applied behavioral research.

Course outcomes :

a.Knowledge and Understanding: :

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

b.Intellectual Skills: :

| 1 - | Relate the discussed concepts with other relevant concepts. |
| 2 - | Apply concepts on existing projects. |

c.Professional and Practical Skills: :

| 1 - | Respect differences in style, culture, experience and treat others with respect |

2 -	Consider social and ethical aspects in design.

d.General and Transferable Skills: :

1 -	Search for data effectively.

Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
-Introduction: What is research? Literature Review, Research Design, Methods. Data Collection and Analysis	2	2	_
-Behavior Topics: The Multisensory Nature of Perception	2	2	_
-Behavior Topics: Symbolism and Aesthetic Response	6	6	_
Behavior Topics: - Familiarity versus Aesthetics	6	6	_
Humanities Topics: - Attributes of Residential Environments	6	6	_
Humanities Topics: - Functional Categories and Basic Human Requirements	6	6	_
The Logic of Space	2	2	

Teaching And Learning Methodologies :

Interactive Lecture
Presentations

Course Assessment :

Methods of assessment	Relative weight %	Week No	Assess What
Assignments	20.00		
Final exam	40.00		
Midterm exams	20.00		
Participation	10.00		
Reports	10.00		

Course Notes :

Lecture Notes and Handouts

Recommended books :

Sanoff, Henry. (1991) Visual Research Methods in Design, Van Nostrand Reinhold, USA.
Smith, Peter. (1979). Architecture and the Human Dimension, The Pitman Press, UK.
Rapoport, Amos. (1977). Human Aspects of Urban Form, Pergamon Press, USA.
Hillier, Bill. (1988). The Social Logic of Space. Cambridge University Press, UK.

Periodicals :

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Web Sites :

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