

## 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
Lecturer	DINA MAAROUF AHMED MOHAMED DIEFALLAH	

#### Area Of Study :

The main aims of the course are to build the student's knowledge regarding:

• The role of humanities in Architecture and Planning.

• The mutual effects between human behavior and built environment which in turn have an impact on Architectural and Urban Design.

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

##### **b. Intellectual Skills: :**

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

##### **c. Professional and Practical Skills: :**

1 -	Not Applicable
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**d.General and Transferable Skills: :**

1 - Search for data effectively.

**Course Topic And Contents :**

Topic	No. of hours	Lecture	Tutorial / Practical
Introduction	2	2	–
The Multisensory Nature of Perception	2	2	–
Symbolism and Aesthetic Response	6	6	–
Familiarity versus Aesthetics	6	6	–
Attributes of Residential Environments	6	6	–
Functional Categories and Basic Human Requirements	6	6	–
The Logic of Space	2	2	

**Teaching And Learning Methodologies :**

Lectures

Tutorial

Group work

Seminar

**Course Assessment :**

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

**Course Notes :**

No course notes are required

**Recommended books :**

- ^Rapoport, Amos. (1977). Human Aspects of Urban Form, Pergamon Press, USA.
  - ^Allier, Bill. (1988). The Social Logic of Space. Cambridge University Press, UK.
  - ^Chermayeff, Serge. (1965), Community and Privacy. Anchor Books, USA.
  - ^Sanoff, Henry. (1991) Visual Research Methods in Design, Van Nostrand Reinhold, USA.
  - ^Smith, Peter. (1979). Architecture and the Human Dimension, The Pitman Press, UK.
- Jencks, Charles. Modern Movements in Architecture, Penguin Books Ltd. 1973, USA.  
 Jencks, Charles. Architecture Today. Academy Editions, 1988, UK.
- Steele, James. Architecture and Computers.2001, Laurence King Publishing, London.

**Periodicals :**

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**Web Sites :**

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