

## Faculty of Engineering & Technology

### History & Theories of Architecture 4

#### Information :

**Course Code :** ARC 322

**Level :** Undergraduate

**Course Hours :** 2.00- Hours

**Department :** Department of Architectural Engineering

#### Instructor Information :

Title	Name	Office hours
Teaching Assistant	Omar Magdy Ahmed Ibrahim Elbahrawy	

#### Area Of Study :

- Build the student's knowledge regarding:
- The components and the steps of proposing a design program.
  - Theories related to designing community facilities buildings.
  - The design guidelines of selected types of buildings.
- Train the student to:
- Classify and analyze constrains that manage the design of a certain kind of buildings.
  - Analyze a wide range of examples of international buildings that represent the theories taught.

#### Description :

Building Types; Designing community facilities, Educational, Cultural, Health, Recreational, Commercial, Administrative and Tourist buildings.

#### Course outcomes :

##### **a. Knowledge and Understanding: :**

1 -	Define the phases of the architectural design process
2 -	Explain the environmental and human factors affecting the architectural decisions.
3 -	Define design problems.

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

1 -	Inspect social and environmental dimensions affecting the design decisions.
2 -	Interpret project objectives to reach optimum solution.

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

1 -	Use conceptual sketches to visualize ideas.
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##### **d. General and Transferable Skills: :**

1 -	Present ideas effectively.
2 -	Defend ideas.
3 -	Review literature and information.
4 -	Cite relevant literature.

### **Course Topic And Contents :**

<b>Topic</b>	<b>No. of hours</b>	<b>Lecture</b>	<b>Tutorial / Practical</b>
Building Types . Housing, Hostels & Hotels	2	2	
Building Types . Offices	2	2	
Building Types . Schools	2	2	
History of Theory	3	3	
Introduction	2	2	–
The formulation and analysis of architectural design program	4	4	
Synthesis of the design concept	2	2	
Ching . Architecture: Form, Space and Order	2	2	
Quizzes	4	4	
Presentations	2	2	
Review	2	2	

### **Teaching And Learning Methodologies :**

Lectures.

Presentation

### **Course Assessment :**

<b>Methods of assessment</b>	<b>Relative weight %</b>	<b>Week No</b>	<b>Assess What</b>
Assignments & research	20.00		
Final examination	40.00		
In Class Quizzes	30.00		
Participation	10.00		

### **Course Notes :**

Lecture Notes and Handouts

### **Recommended books :**

- Julius Panero, Time-Saver Standards for Interior Design and Space Planning, 2nd Ed, McGraw Hill..
- Walter A. Rutes et ell; Hotel Design, Planning and Development. W.W. Norton & Company, 2001.
- Parkash Nair et ell; The Language of School Design. Designshare Inc. 2009.
- Richard L. Miller; Hospital and Healthcare Facility Design. W.W. Norton & Company, 2012

### **Periodicals :**

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### **Web Sites :**

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