

**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
Lecturer	Maha Baher Ibrahim Fouad	3

**Area Of Study :**

- Build the student's knowledge regarding:
  - a. The components and the steps of proposing a design program.
  - b. Theories related to designing community facilities buildings.
  - c. The design guidelines of selected types of buildings.
- Train the student to:
  - a. Classify and analyze constrains that manage the design of a certain kind of buildings.
  - b. 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's 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 :**

Topic	No. of hours	Lecture	Tutorial / Practical
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 :**

Methods of assessment	Relative weight %	Week No	Assess What
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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