

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
Associate Professor	Yasser Osman Moharam Mahgoub	2
Teaching Assistant	Aya Tarek Ibrahim Abdelhadi Ahmed	
Teaching Assistant	Amany Medhat Hussien Khalil Mohamed	

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
History of Theory	4	4	
Theory in Relation to Method	4	4	
Synthesis of the design concept	4	4	
Architectural design program; components and steps	4	4	
Introduction	2	2	–
Methods of Evaluation and Design Development	2	2	
Schools design principles and guidelines	4	4	
Hotels design principles and guidelines	2	2	
Presentations	4	4	

Teaching And Learning Methodologies :

Lectures.
Presentation
Assignment

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		

Books :

Book	Author	Publisher
Time Saver Standards for Architectural Design Technical Data for Professional Practice	Donald Watson	McGraw Hill

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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