Faculty of Engineering & Technology

History & Theories of Architecture 5

Information :

Course Code : ARC 421	**Level** : Undergraduate	**Course Hours :** 3.00- Hours

Department : Department of Architectural Engineering

Instructor Information :

Title	Name	Office hours
Lecturer	DINA MAHMOUD ABDELRASHID NOSEIR	1

Area Of Study :

Upon successful completion of the course, the student should be able to:
1. Develop awareness considering principles and theories of design in Architecture
2. Share ideas and work in a team or a group
3. Develop representation techniques
4. Develop and achieve the sense of order while dealing with different forms and shapes in design process and development
5. Establish criticism and evaluation criteria
6. Test different schools of design

Description :

An introduction to the theories and philosophies of the International Style of the 20th Century and the Modern Movement; The organic theories of Sullivan and Wright, The Functional formalism of Le Corbusier, the Functional Technological Theories of the Bauhaus and Gropius, the structuralism of Mies Van DerRohe, and the expressionism of Mendelson. Also an introduction to design standards, concepts and considerations of office buildings, cultural and civic centers, and health facilities.

Course outcomes :

a.Knowledge and Understanding: :

1 -	Demonstrate knowledge and understanding of scientific background (theories and history) of similar building types
2 -	Define design values and illustrate in drawings and sketches possible solutions
3 -	Define the principles of building formation, including the application of design principles, design methods and their relation to human sensations.

b.Intellectual Skills: :

1 -	Analyze existing projects using drawings and diagrams
2 -	Conceptualize, investigate the development of design process and space/form configurations through history
3 -	Recognize architectural designs aspects that integrate social, aesthetic and technical requirements
4 -	Criticize and evaluate different schools of design in architecture

c.Professional and Practical Skills: :

1 -	Identify data and requirements for a certain building type and schools of design in architecture
2 -	Use appropriate graphic techniques for representation
3 -	Submit professional good looking complete data, information and drawings

d.General and Transferable Skills: :

1 -	Communicate effectively with other people using visual, graphic, written and verbal means
2 -	Work in a self-directed manner
3 -	Work coherently and successfully as a part of a team in assignments
4 -	Manage time and meet deadlines
5 -	Use the Internet in searching for information about specific building types through history

Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
Spatial Relationships and Organizations	9	9	-
Introduction to Islamic Arts and Architecture	6	6	-
Al Hambra Palace Case study	6	6	-
Hagia Sofia Case Study	6	6	-
Islamic Architecture Syntax Rules	6	6	-
Mouldings and Patterns	6	6	-
Music in Architecture	6	6	-

Teaching And Learning Methodologies :

Lecture
Research

Course Assessment :

Methods of assessment	Relative weight %	Week No	Assess What
Assignments/Studio work	25.00		
Final exam	40.00		
In Class Quizzes	10.00		
Midterm	15.00		
Participation	10.00		

Course Notes :

No course notes are required.

Recommended books :

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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