



Course Specifications:
ARE7114 - History & Theories of Architecture 1



1. Basic Information

Program Title	Architectural Engineering
Department offering the Program	Architectural Engineering
Department Responsible for the Course	Architectural Engineering
Course Title	History & Theories of Architecture 1
Course Code	ARE7114
Year/ Level	First Year - First Term
Specialization	Minor
Authorization date of course specification	2005

Teaching Hours	Lectures	Tutorial	Practical
	4	0	0

2. Course Attributes:

No.	Attribute
08	Consider the impacts of engineering solutions on society & environment.
11	Engage in self- and life- long learning.
13	Demonstrate investigative skills, attention to details, and visualize/conceptualize skills.
14	Adopt a holistic problem solving approach for complex, ambiguous, and open-ended challenges and scenarios.
15	Demonstrate knowledge of cultural diversity, differences and the impact of a building on community character and identity.

3. Intended Learning Outcomes (ILOs):

a. Knowledge and Understanding:

No.	Knowledge and Understanding
A ₀₄	Principles of design including elements design, process and/or a system related to specific disciplines.
A ₀₅	Methodologies of solving engineering problems, data collection and interpretation.
A ₀₆	Quality assurance systems, codes of practice and standards, health and safety requirements and environmental issues.
A ₁₃	Principles of architectural design, and the preparation and presentations of design projects in a variety of contexts, scales, types and degree of complexity.
A ₁₉	Theories and histories of architecture, planning, urban design, and other related disciplines.
A ₂₃	Principles of sustainable design, climatic considerations, and energy consumption and efficiency in buildings and their impacts on the environment.

b. Intellectual Skills

No.	Intellectual Skills
B ₁₅	Predict possible consequences, by- products and assess expected performance of



Course Specifications:
ARE7114 - History & Theories of Architecture 1



	design alternatives.
B ₂₀	Discuss, search and formulate informed opinions appropriate to specific context and circumstances affecting architecture profession & practice.
B ₂₁	Analyze the range of patterns and traditions that have shaped and sustained cultures and the way that they can inform design process.

c. Professional Skills

No.	Professional Skills
C ₁₉	Respect all alternative solutions; changes in original plan of the project, differences in style, culture, experience and treat others with respect.
C ₂₁	Respond effectively to the broad constituency of interests with consideration of social and ethical concerns.

d. General Skills

No.	General Skills
D ₀₁	Collaborate effectively within multidisciplinary team.
D ₀₃	Communicate effectively.
D ₀₇	Search for information and adopt life-long self learning.
D ₀₉	Refer to relevant literature effectively.

4. Course Contents:

No.	Topics
1	Course orientation - Early Civilizations
2	Prehistoric Art & Architecture
3	Prehistoric Architecture
4	Ancient Egyptian I
5	Ancient Egyptian II
6	Western Asiatic Architecture
7	Greek Architecture I
8	Mid-Term Exam
9	Greek Architecture II
10	Roman Architecture I
11	Roman Architecture II
12	Early Christian
13	Byzantine
1	Course orientation
2	Quality in Architecture
3	Comfort, safety, and private spaces
4	Design and arrangement of residential spaces
5	Living and sleeping zones
6	Roofs and terraces
7	Public use spaces
8	Mid-Term Exam
9	Design of entrance, lobbies, corridors, and paths



Course Specifications:
ARE7114 - History & Theories of Architecture 1



10	Services, utilities, and user needs
11	Midterm exam and introduction to vertical circulation
12	Vertical & horizontal circulation
13	Course Review

5. Teaching and Learning Methods:

5.1 Normal Students:

No.	Teaching Method	Choice
1	Lectures	√
2	Discussion Sessions	√
3	Information Collection from Different Sources	×
4	Practical	×
5	Research Assignment	√
6	Field Visits	√
7	Case Studies	×
8	Smart Sessions	√

5.2 Disable Students:

No.	Teaching Method	Reason
1	Presentation of the course in digital material.	Better access any time.
2	Web communication with students	Better communication with certain cases.
3	Asking small groups to do assignments; each composed of low, medium, and high performance students.	Knowledge and skills transfer among different levels of students.
4	Asking disabled students to do PowerPoint/Poster presentations.	Encouraging disabled students' engagement and interaction.

5.3 Excellent Students:

No.	Teaching Method	Reason
1	Developing course materials gradually to allow excellent students to receive teaching that meets their needs	Excellent students rely on excellent teaching
2	Encouraging students to participate in competitions with rewarded bonus marks.	Increasing excellent students' competitiveness

6. Student Assessment:

6.1 Student Assessment Methods:



Course Specifications:
ARE7114 - History & Theories of Architecture 1



No.	Assessment Method	Choice	ILOs
1	Mid Term Examination	√	B ₂₀ , B ₂₁ , D ₀₁ , D ₀₃ , D ₀₆ , D ₀₇ .
2	Oral Examination	×	-
3	Practical Examination	×	-
4	Semester work	√	A ₀₄ , A ₀₅ , A ₀₆ , A ₁₃ , A ₁₉ , A ₂₃ , C ₁₉ , C ₂₁ , D ₀₁ , D ₀₃ , D ₀₆ , D ₀₇ , D ₀₉ .
5	Other types of assessment	×	-
6	Final Term Examination	√	B ₁₅ , D ₀₁ , D ₀₃ , D ₀₆ , D ₀₉ .

6.2 Assessment Schedule:

No.	Assessment Method	Weeks
1	Mid Term Examination	08 th
2	Oral Examination	×
3	Practical Examination	×
4	Semester work	02 nd - 07 th ; 09 th - 14 th
5	Other types of assessment	×
6	Final Term Examination	15 th

6.3 Weighting of Assessments:

No.	Assessment Method	Weights
1	Mid Term Examination	10%
2	Oral Examination	-
3	Practical Examination	-
4	Semester work	30%
5	Other types of assessment	-
6	Final Term Examination	60%
Total		100%

7. List of References

No.	Reference List
1	Architectural GRAPHIC Standards. NY: John Wiley & Sons, Inc., 1996.
2	Saxon, Richard. The Atrium Comes of Age. Essex: Longman Group (UK) Limited, 2000.
3	http://www.conceptsindesign.com/
4	Banister Fletcher and Dan Cruickshank, Sir Banister Fletcher's a History of Architecture, Architectural Press, 20th edition, 1996. ISBN 0750622679.
5	The course notes are to be prepared by groups of students after constant reviewing by the course coordinator.

8. Facilities Required for Teaching and Learning:

No.	Facility	Choice
1	Lecture Classroom	√
2	Lab Facilities	×
3	White Board	√

No.	Facility	Choice
7	Wireless Board	×
8	Presenter	×
9	Sound System	√



Course Specifications:
ARE7114 - History & Theories of Architecture 1



4	Data Show System	√		10	Wire-Internet	×
5	Visualizer	×		11	Wireless Internet	√
6	Smart Board	√		12	...	-

9. Matrix of Knowledge and Skills of the Course:

No.	Topic	Attributes	Knowledge & Understanding	Intellectual Skills	Professional Skills	General Skills
1	Course orientation - Early Civilizations	08	A ₀₄ , A ₀₆	-	C ₁₉ , C ₂₁	-
2	Prehistoric Art & Architecture	08	A ₀₅	B ₁₅ , B ₂₀ , B ₂₁	-	D ₀₁
3	Prehistoric Architecture	08	A ₁₃	-	C ₂₁	D ₀₇ , D ₀₉
4	Ancient Egyptian I	08	A ₁₉	B ₁₅ ,	-	D ₀₉
5	Ancient Egyptian II	11	A ₂₃	B ₂₁	-	-
6	Western Asiatic Architecture	11	A ₂₃	B ₂₁	-	-
7	Greek Architecture I	11	A ₂₃	B ₂₁	-	-
8	Greek Architecture II	13	A ₂₃	B ₂₀	-	-
9	Mid-Term Exam	13	A ₂₃	B ₂₀	C ₂₁	-
10	Roman Architecture I	13	A ₂₃	B ₂₀	C ₂₁	-
11	Roman Architecture II	13	A ₂₃	B ₂₀	C ₂₁	D ₀₉
12	Early Christian	15	A ₂₃	B ₂₀	-	-
13	Byzantine	15	A ₂₃	B ₂₀	C ₂₁	D ₀₃ , D ₀₆ , D ₀₉
1	Course orientation	08	A ₀₄ , A ₀₆	-	C ₁₉ , C ₂₁	-
2	Quality in Architecture	08	A ₀₅	B ₁₅ , B ₂₀ , B ₂₁	-	D ₀₁
3	Comfort, safety, and private spaces	08	A ₁₃	-	C ₂₁	D ₀₇ , D ₀₉
4	Design and arrangement of residential spaces	08	A ₁₉	B ₁₅ ,	-	D ₀₉
5	Living and sleeping zones	11	A ₂₃	B ₂₁	-	-
6	Roofs and terraces	11	A ₂₃	B ₂₁	-	-
7	Public use spaces	11	A ₂₃	B ₂₁	-	-
8	Design of entrance, lobbies, corridors, and paths	13	A ₂₃	B ₂₀	-	-
9	Mid-Term Exam	13	A ₂₃	B ₂₀	C ₂₁	-
10	Services, utilities, and user needs	13	A ₂₃	B ₂₀	C ₂₁	-
11	Midterm exam and introduction to vertical circulation	13	A ₂₃	B ₂₀	C ₂₁	D ₀₉
12	Vertical & horizontal circulation	15	A ₂₃	B ₂₀	-	-
13	Course Review	15	A ₂₃	B ₂₀	C ₂₁	D ₀₃ , D ₀₆ , D ₀₉



Course Specifications:
ARE7114 - History & Theories of Architecture 1



Course Coordinator: **Professor Dr. Osama Farag**
 Associate Professor Dr. Sherif Ahmed Ali Sheta

Head of Department: **Professor Dr. Mohammad Mohammad Taha Al-Azab**

Date of Approval: