



Course Specifications:
ARE7214 - History & Theories of Architecture 2



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 2
Course Code	ARE7214
Year/ Level	Second 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



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	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
2	Introduction to Saracenic Architecture
3	Influences & Characters of Saracenic Architecture
4	Arabian & Syrian Architecture
5	Egyptian Saracenic Architecture
6	Spanish & Persian Saracenic Architecture
7	Turkish & Indian Saracenic Architecture
8	Comparative Study
9	Romanesque Architecture
10	Gothic Architecture
11	Renaissance Architecture
12	Baroque Architecture
13	Course Review + Sample Exam
1	Course orientation
2	Technology & architectural theory
3	Residential buildings
4	Vertical circulation
5	Architectural design theories of Office buildings
6	Architectural design theories of Banks
7	Architectural design theories of Educational Buildings
8	Architectural design theories of Libraries
9	Architectural design theories of Museums



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10	Architectural design theories of Hotels & Motels
11	Architectural design theories of Commercial buildings
12	Architectural design theories of Auditoria
13	Architectural design theories of Healthcare buildings

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:



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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 ₀₉ , 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	2 nd -7 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	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	√
4	Data Show System	√
5	Visualizer	×

No.	Facility	Choice
7	Wireless Board	×
8	Presenter	×
9	Sound System	√
10	Wire-Internet	×
11	Wireless Internet	√



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6	Smart Board	√		12	...	-
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9. Matrix of Knowledge and Skills of the Course:

No.	Topic	Attributes	Knowledge & Understanding	Intellectual Skills	Professional Skills	General Skills
1	Course Orientation	08	A ₀₄	-	C ₁₉ , C ₂₁	-
2	Introduction to Saracenic Architecture	08	A ₀₅	B ₁₅ , B ₂₀ , B ₂₁	-	D ₀₁
3	Influences & Characters of Saracenic Architecture	08	A ₁₃	-	C ₂₁	D ₀₇ , D ₀₉
4	Arabian & Syrian Architecture	08	A ₁₉	B ₁₅	-	D ₀₉
5	Egyptian Saracenic Architecture	11	A ₂₃	B ₂₁	-	-
6	Spanish & Persian Saracenic Architecture	11	A ₂₃	B ₂₁	-	-
7	Turkish & Indian Saracenic Architecture	11	A ₂₃	B ₂₁	-	-
8	Comparative Study	13	A ₂₃	B ₂₀	-	-
9	Romanesque Architecture	13	A ₂₃	B ₂₀	C ₂₁	-
10	Gothic Architecture	13	A ₂₃	B ₂₀	C ₂₁	-
11	Renaissance Architecture	13	A ₂₃	B ₂₀	C ₂₁	D ₀₉
12	Baroque Architecture	15	A ₂₃	B ₂₀	-	-
13	Course Review + Sample Exam	15	A ₂₃	B ₂₀	C ₂₁	D ₀₃ , D ₀₆ , D ₀₇ , D ₀₉
1	Course orientation	08	A ₀₄	-	C ₁₉ , C ₂₁	-
2	Technology & architectural theory	08	A ₀₅	B ₁₅ , B ₂₀ , B ₂₁	-	D ₀₁
3	Residential buildings	08	A ₁₃	-	C ₂₁	D ₀₇ , D ₀₉
4	Vertical circulation	08	A ₁₉	B ₁₅	-	D ₀₉
5	Architectural design theories of Office buildings	11	A ₂₃	B ₂₁	-	-
6	Architectural design theories of Banks	11	A ₂₃	B ₂₁	-	-
7	Architectural design theories of Educational Buildings	11	A ₂₃	B ₂₁	-	-
8	Architectural design theories of Libraries	13	A ₂₃	B ₂₀	-	-
9	Architectural design theories of Museums	13	A ₂₃	B ₂₀	C ₂₁	-
10	Architectural design theories of Hotels & Motels	13	A ₂₃	B ₂₀	C ₂₁	-
11	Architectural design theories of Commercial buildings	13	A ₂₃	B ₂₀	C ₂₁	D ₀₉
12	Architectural design	15	A ₂₃	B ₂₀	-	-



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	theories of Auditoria					
13	Architectural design theories of Healthcare buildings	15	A ₂₃	B ₂₀	C ₂₁	D ₀₃ , D ₀₆ , D ₀₇ , D ₀₉

Course Coordinator: Associate Professor Dr. Sherif Ahmed Ali Sheta

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Date of Approval: