1. Basic Information

Program Tile	Architectural Engineering
Department offering the Program	Architectural Engineering
Department Responsible for the Course	Architectural Engineering
Course Title	Theories & Philosophy of Architecture 2
Course Code	ARE7413
Year/ Level	Fourth Year – First Term
Specialization	Major
Authorization date of course specification	2005

Teaching Hours	Lectures	Tutorial	Practical
	3	0	0

2. Course Attributes:

No.	Attribute
11	Engage in self- and life- long learning.
13	Demonstrate investigative skills, attention to details, and visualize/conceptualize skills.
15	Demonstrate knowledge of cultural diversity, differences and the impact of a building on community character and identity.
17	Recognize the new role of architectural engineer as the leader of design projects—who has the ability to understand, assemble, and coordinate all of the disciplines—to create a sustainable environment.

3. Intended Learning Outcomes (ILOs):

a. Knowledge and Understanding:

No.	Knowledge and Understanding
A_{19}	Principles of design including elements design, process and/or a system related to specific 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_{04}	Combine, exchange, and assess different ideas, views, and knowledge from a range of sources.
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.
C$_{22}$	Contribute positively to the aesthetic, architecture and urban identity, and cultural life of the community.

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	دراسة النظريات المعمارية والمحددات التصميمية للمباني العامة (الإدارية - الحكومية - التعليمية)
3	دراسة النظريات المعمارية والمحددات التصميمية للمباني الثقافية (المتاحف والمعارض - المسارح - دور السينما)
4	دراسة النظريات المعمارية والمحددات التصميمية للمباني الصحية والعلاجية
5	دراسة النظريات المعمارية والمحددات التصميمية للمباني السياحية والترفيهية
6	دراسة فلسفة النظريات التصميمة للمباني الذكية
7	دراسة فلسفة النظريات التصميمية للمشروعات الحديثة
8	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:

No.	Assessment Method	Choice	ILOs
1	Mid Term Examination	√	A_{11}, A_{13}, A_{15}, B_{19}, B_{23}.
2	Oral Examination	×	-
3	Practical Examination	×	-
4	Semester work	√	A_{11}, A_{17}, A_{19}, B_{19}, B_{23}, C_{19}, C_{21}, D_{01}, D_{03}, D_{07}, D_{09}.
5	Other types of assessment	×	-
6	Final Term Examination	√	A_{17}, A_{19}, C_{22}.

6.2 Assessment Schedule:

No.	Assessment Method	Weeks
1	Mid Term Examination	08th
2	Oral Examination	×
3	Practical Examination	×
4	Semester work	2nd -7th ; 09th – 14th
5	Other types of assessment	×
6	Final Term Examination	15th

6.3 Weighting of Assessments:

No.	Assessment Method	Weights
1	Mid Term Examination	10%
2	Oral Examination	-
3	Practical Examination	-
4	Semester work	20%
5	Other types of assessment	-
6	Final Term Examination	70%
Total		100%

7. List of References

No.	Reference List
1	Banister Fletcher and Dan Cruickshank, Sir Banister Fletcher's a History of Architecture, Architectural Press, 20th edition, 1996. ISBN 0750622679
2	Curtis, William J. R. Modern Architecture Since 1900. Englewood Cliffs. New Jersey: Prentice-Hall, Inc., 1987.
3	Kolb, David, Postmodern Sophistications - Philosophy, Architecture, and Tradition, University of Chicago Press 1990.

8. Facilities Required for Teaching and Learning:

No.	Facility	Choice		No.	Facility	Choice
1	Lecture Classroom	√		7	Wireless Board	×
2	Lab Facilities	×		8	Presenter	×
3	White Board	√		9	Sound System	√
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	11	A_{19}	-	-	-
2	دراسة النظريات المعمارية والمحددات التصميمية للمباني العامة (الإدارية - الحكومية - التعليمية)	11	-	B_{04}, B_{20},	-	-
3	دراسة النظريات المعمارية والمحددات التصميمية للمباني الثقافية (المتاحف والمعارض - المسارح - دور السينما)	13	A_{23}	B_{21}	-	D_{01}
4	دراسة النظريات المعمارية والمحددات التصميمية للمباني الصحية والعلاجية	13	A_{23}	B_{21}	C_{19}	-
5	دراسة النظريات المعمارية والمحددات التصميمية للمباني السياحية والترفيهية	13	A_{23}	B_{21}	C_{21}	D_{03}, D_{07}
6	دراسة فلسفة النظريات التصميمية للمباني الذكية	13-15	A_{23}	B_{21}	C_{22}	D_{07}, D_{09}
7	دراسة فلسفة النظريات التصميمية للمشروعات الحديثة	15-17	-	-	C_{21}, C_{22}	D_{09}

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Course Coordinator: **Professor Dr. Mohamed Salah El-Deen El-Sayed**

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

Date of Approval: