1. Basic Information

Program Tile	Architectural Engineering
Department offering the Program	Architectural Engineering
Department Responsible for the Course	Architectural Engineering
Course Title	Elective 02 - Conservation and Urban Maintenance
Course Code	ARE 7325
Year/ Level	Third Year-Second Semester
Specialization	Major
Authorization date of course specification	2005

Teaching Hours	Lectures	Tutorial	Practical
	2	2	0

2. Course Attributes:

No.	Attribute
5	Use the techniques, skills, and appropriate engineering tools, necessary for engineering practice and project management
8	Consider the impacts of engineering solutions on society & environment.
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_4	Principles of design including elements design, process and/or a system related to specific disciplines.
A_8	Current engineering technologies as related to disciplines.
A_{15}	Fundamentals of building acquisition, operational costs, and of preparing construction documents and specifications of materials, components, and systems appropriate to the building
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 design alternatives

| B$_{20}$ | Discuss, search and formulate informed opinions appropriate to specific context and circumstances affecting architecture profession & practice |

c. Professional Skills

No.	Professional Skills
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$_1$	Collaborate effectively within multidisciplinary team
D$_3$	Communicate effectively
D$_6$	Manage tasks and resources efficiently
D$_9$	Refer to relevant literature effectively

4. Course Contents:

No.	Topics
1	مقدمة ـ التعريف بالمنهج
2	معايير تحديد المباني والمناطق ذات القيمة التراثية
3	سياسات التعامل مع المباني والمناطق ذات القيمة التراثية
4	تابع : سياسات التعامل مع المباني والمناطق ذات القيمة التراثية
5	حلقة نقاشية
6	التوثيق المعماري والعمراني
7	أسس ترميم المباني الأثرية
8	الإستثمار في مواقع التراث العمراني
9	اعادة استخدام المباني ذات القيمة التراثية
10	مراكز المدن التاريخية
11	حلقة نقاشية

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	Asking small groups to do assignments; each composed of low, medium, and high performance students	Knowledge and skills transfer among different levels of students.

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

6. Student Assessment:

6.1 Student Assessment Methods:

No.	Assessment Method	Choice	ILOs
1	Mid Term Examination	×	-
2	Oral Examination	×	-
3	Practical Examination	×	-
4	Semester work	√	A_4 - A_8- B_{15}- B_{20}- C_{21}- D_1- D_3- D_6- D_9
5	Other types of assessment	×	-
6	Final Term Examination	√	A_4- A_{15}- A_{23}- B_{20}- C_{22}

6.2 Assessment Schedule:

No.	Assessment Method	Weeks
1	Mid Term Examination	-
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	-
2	Oral Examination	-
3	Practical Examination	-
4	Semester work	30%
5	Other types of assessment	-
6	Final Term Examination	70%
Total		100%

7. List of References

No.	Reference List
1	Culture- nature the link to preservation
2	E. Tod. Architectural conservation 2002
3	أسس ترميم المعالم الأثرية طبقا للمواثيق الدولية – ا.د صالح لمعي
4	The course notes are to be prepared by groups of students after constant reviewing by the course coordinator.
5	www. Akdn.org
6	www. unesco.org
7	www. Cultnat.org

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	×
6	Smart Board	×

No.	Facility	Choice
7	Wireless Board	×
8	Presenter	√
9	Sound System	×
10	Wire-Internet	×
11	Wireless Internet	×
12	…	

9. Matrix of Knowledge and Skills of the Course:

No.	Topic	Attributes	Knowledge & Understanding	Intellectual Skills	Professional Skills	General Skills
1	مقدمة ـ التعريف بالمنهج	08	A_4	-	-	D_9
2	معايير تحديد المباني والمناطق ذات القيمة التراثية	15	A_4	-	C_{21}	D_9
3	سياسات التعامل مع المباني والمناطق ذات القيمة التراثية	05- 08	A_8- A_{15}- A_{23}	B_{15}- B_{20}	C_{21}	D_9 - D_6

4	تابع : سياسـات التعامـل مـع المبـاني والمناطق ذات القيمة التراثية	05 - 08	A_8- A_{15}- A_{23}	B_{15}- B_{20}	C_{21}	D_9 - d_6
5	حلقة نقاشية	-	-	B_{20}	C_{21}	D_1- D_3- D_6
6	التوثيق المعماري والعمراني	05	A_4- A_8 - A_{15}	B_{15}	-	D_9
7	أسس ترميم المباني الأثرية	05	A_4- A_8- A_{15}- A_{23}	B_{15}	-	D_9
8	الإستثمار في مواقع التراث العمراني	05 - 08	A_{15}- a_{23}	B_{15}- B_{20}	C_{21}	D_9
9	اعـادة اسـتخدام المبـاني ذات القيمـة التراثية	05 - 08 - 15	A_4 - A_8- A_{15}- A_{23}	B_{15}	C_{21}	D_9
10	مراكز المدن التاريخية	05 - 15	A_8- A_{15}- A_{23}	B_{15}	C_{21}	D_9
11	حلقة نقاشية	-	-	B_{20}	C_{21}	D_1 - D_3 - D_6

Course Coordinator: **Dr. Asmaa Nasr ELdin El Badrawy**

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

Date of Approval: