1. Basic Information

Program Tile	Architectural Engineering
Department offering the Program	Architectural Engineering
Department Responsible for the Course	Architectural Engineering
Course Title	Urban Planning & Design
Course Code	ARE7314
Year/ Level	Third Year – First Semester
Specialization	Major
Authorization date of course specification	2005

Teaching Hours	Lectures	Tutorial	Practical
	2	4	0

2. Course Attributes:

No.	Attribute
05	Use the techniques, skills, and appropriate engineering tools, necessary for engineering practice and project management.
07	Communicate effectively.
10	Display professional and ethical responsibilities; and contextual understanding.
15	Demonstrate knowledge of cultural diversity, differences and the impact of a building on community character and identity.
16	Address urban issues, planning, and community needs through design work.

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_{16}	Theories and legislations of urban and regional planning.
A_{17}	The processes of spatial change in the built and natural environments; patterns and problems of cities; and positive & negative impacts of urbanization.
A_{18}	The significance of urban spaces and the interaction between human behavior, built environment and natural environment.

b. Intellectual Skills:

No.	Intellectual Skills
B_{03}	Think in a creative and innovative way in problem solving and design.
B_{13}	Integrate different forms of knowledge, ideas from other disciplines, and manage information retrieval to create new solutions
B_{18}	Integrate community design parameters into design projects.

B$_{19}$	Appraise the spatial, aesthetic, technical and social qualities of a design within the scope and scale of a wider environment.

c. Professional Skills:

No.	Professional Skills
C$_{13}$	Produce and present architectural, urban design, and planning projects using an appropriate range of media and design-based software
C$_{17}$	Demonstrate professional competence in developing innovative and appropriate solutions of architectural and urban problems.
C$_{18}$	Display imagination and creativity.
C$_{19}$	Respect all alternative solutions; changes in original plan of the project, differences in style, culture, experience and treat others with respect.
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$_{02}$	Work in stressful environment and within constraints.
D$_{03}$	Communicate effectively.
D$_{04}$	Demonstrate efficient IT capabilities.
D$_{05}$	Lead and motivate individuals.
D$_{06}$	Manage tasks and resources efficiently.

4. Course Contents:

No.	Topics
1	مقدمة عامة
2	مفاهيم رئيسية : تعريف التخطيط ـ أنواع التخطيط ـ مستويات التخطيط
3	مفاهيم أخري : التنمية ـ التنمية العمرانية ـ التنمية المستدامة ـ التخطيط الاستراتيجي ـ منهجية التخطيط العمراني
4	التخطيط الإقليمي
5	درجات العمران
6	تصنيف التجمعات العمرانية
7	الدراسات البيئية والطبيعية
8	الدراسات السكانية والإجتماعية
9	الدراسات الإقتصادية
10	دراسات العمرانية
11	دراسة الخدمات والبنية الإساسية
12	المدينة : الهيكل الوظيفي للمدينة ـ التدرج الهرمي في توكين المدينة
13	مركز المدينة
14	مناقشة عامة وحوار مفتوح

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	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_{04}, A_{16}, B_{03}, B_{13}, D_{01}
2	Oral Examination	√	D_{02}, D_{03}
3	Practical Examination	×	-
4	Semester work	√	A_{17}, B_{19}, C_{13}, C_{17}, C_{18}, D_{04}
5	Other types of assessment	×	-
6	Final Term Examination	√	A_{17}, A_{18}, B_{03}, B_{13}, B_{18}, C_{19}, D_{05}, D_{06}

6.2 Assessment Schedule:

No.	Assessment Method	Weeks
1	Mid Term Examination	8th
2	Oral Examination	12th
3	Practical Examination	×
4	Semester work	2nd, 4th, 6th, 10th
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	6%
3	Practical Examination	-
4	Semester work	17%
5	Other types of assessment	-
6	Final Term Examination	67%
Total		100%

7. List of References

No.	Reference List
1	تخطيط المدن أسلوب ومراحل – أ.د/ عاطف حمزة
2	التخطيط العمراني / الجزء الأول (مبادئ-أسس-تطبيقات) – أ.د/ شفق الوكيل

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	مقدمة	5	A_{04}, A_{16}	B_{03}	C_{13}, C_{17}	D_{01}
2	مفاهيم رئيسية: تعريف التخطيط-أنواع التخطيط-مستويات التخطيط	5	A_{04}, A_{16}	B_{13}	C_{13}, C_{17}	D_{02}, D_{03}
3	مفاهيم أخري: التنمية-التنمية العمرانية- الاستراتيجي- التنمية المستدامة-التخطيط منهجية التخطيط العمراني	5	A_{04}, A_{16}	B_{13}	C_{17}	D_{02}, D_{03}

4	التخطيط الإقليمي	5	A_{04}, A_{16}	B_{03}, B_{13}	C_{17}	D_{04}
5	درجات العمران	7	A_{17}	B_{18}	C_{17}	D_{04}
6	تصنيف التجمعات العمرانية	7	A_{17}	B_{18}	C_{17}	D_{05}
7	الدراسات البيئية والطبيعية	7	A_{17}	B_{18}	C_{17}	D_{05}
8	الدراسات السكانية والإجتماعية	10	A_{17}	B_{18}	C_{18}	D_{05}
9	الدراسات الإقتصادية	10	A_{17}	B_{18}	C_{18}	D_{05}
10	دراسات العمرانية	10	A_{17}	B_{18}	C_{18}	D_{05}
11	دراسة الخدمات والبنية الإساسية	10	A_{17}	B_{18}	C_{18}	D_{05}
12	المدينة: الهيكل الوظيفي للمدينة-التدرج الهرمي في توكين المدينة	15	A_{17}, A_{18}	B_{18}, B_{19}	C_{19}, C_{22}	D_{05}
13	مركز المدينة	15	A_{17}, A_{18}	B_{18}, B_{19}	C_{19}, C_{22}	D_{05}
14	مناقشة عامة وحوار مفتوح	15, 16	A_{17}, A_{18}	B_{18}, B_{19}	C_{19}, C_{22}	D_{04}, D_{05}, D_{06}

Course Coordinator: Dr. Ibrahim Rezk Hegazy

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

Date of Approval: