



Course Specifications:
ARE7415 – Urban Planning 2



1. Basic Information

Program Title	Architectural Engineering
Department offering the Program	Architectural Engineering
Department Responsible for the Course	Architectural Engineering
Course Title	Urban Planning 2
Course Code	ARE7415
Year/ Level	Fourth Year – First Semester
Specialization	Major
Authorization date of course specification	2005

Teaching Hours	Lectures	Tutorial	Practical
	2	4	0

2. Course Attributes:

No.	Attribute
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.
16	Address urban issues, planning, and community needs through design work.
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 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.
A ₂₂	Various dimensions of housing problem and the range of approaches, policies, and practices that could be carried out to solve this problem.

b. Intellectual Skills:

No.	Intellectual Skills
B ₀₃	Think in a creative and innovative way in problem solving and design.
B ₁₀	Incorporate economic, societal, environmental dimensions and risk management in design.
B ₁₃	Integrate different forms of knowledge, ideas from other disciplines, and manage information retrieval to create new solutions



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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 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 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) منظومات التخطيط العمراني
3	منظومة الحركة في المدينة
4	عناصر منظومة الحركة
5	المعايير التخطيطية لمنظومة الحركة
6	مشروع تطبيقي
7	منظومة الاسكان
8	عناصر منظومة الاسكان
9	المعايير التخطيطية لمنظومة الاسكان
10	مشروع تطبيقي
11	المنظومة البيئية في المدينة
12	المفاهيم البيئية (الاستدامة العمرانية - التخطيط الواعي بالبيئة - العمارة الخضراء.....)
13	مشروع تطبيقي
14	مناقشة عامة وحوار مفتوح



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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 ₁₇ , B ₀₃ , B ₁₀ , B ₁₃ , D ₀₁
2	Oral Examination	√	D ₀₂ , D ₀₃
3	Practical Examination	×	-
4	Semester work	√	A ₁₈ , B ₂₂ , C ₁₃ , C ₁₇ , C ₁₈ , D ₀₄
5	Other types of assessment	×	-
6	Final Term Examination	√	A ₁₇ , A ₂₂ , B ₀₃ , B ₁₈ , B ₂₂ , C ₁₉ , C ₂₁ , C ₂₂ D ₀₅ , D ₀₆



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6.2 Assessment Schedule:

No.	Assessment Method	Weeks
1	Mid Term Examination	8 th
2	Oral Examination	12 th
3	Practical Examination	×
4	Semester work	2 nd , 4 th , 6 th , 10 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	6.6%
2	Oral Examination	6.7%
3	Practical Examination	-
4	Semester work	20%
5	Other types of assessment	-
6	Final Term Examination	66.7%
Total		100%

7. List of References

No.	Reference List
1	تخطيط المدن أسلوب ومرآة – أ.د/ عاطف حمزة
2	التخطيط العمراني / الجزء الثاني (الإسكان-الخدمات-الحركة) – أ.د/ شفيق الوكيل

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 عامة	-				
2	مفاهيم رئيسية (منظومات التخطيط العمراني)	14	A ₁₇	B ₀₃		
3	منظومة الحركة في المدينة	14	A ₁₇	B ₀₃		



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4	عناصر منظومة الحركة	15,16	A ₁₇	B ₀₃ , B ₁₀		
5	المعايير التخطيطية لمنظومة الحركة	15,16	A ₁₈	B ₀₃ , B ₁₀		
6	مشروع تطبيقي	15,16	A ₁₈	B ₀₃ , B ₁₀		
7	منظومة الاسكان	16	A ₁₈	B ₁₃	C ₁₃ , C ₁₇	
8	عناصر منظومة الاسكان	16	A ₁₈	B ₁₃	C ₁₃ , C ₁₇	
9	المعايير التخطيطية لمنظومة الاسكان	16	A ₁₈	B ₁₃	C ₁₃ , C ₁₇	
10	مشروع تطبيقي	16	A ₁₈	B ₁₃	C ₁₃ , C ₁₇	
11	المنظومة البنينة فى المدينة	17	A ₂₂	B ₁₃	C ₁₃ , C ₁₇	
12	المفاهيم البنينة (الاستدامة العمرانية – التخطيط الواعى بالبنينة – العمارة الخضراء.....)	15	A ₂₂	B ₁₈ , B ₁₉	C ₁₈ , C ₁₉	D ₀₁ , D ₀₂ , D ₀₃ , D ₀₄
13	مشروع تطبيقي	15	A ₂₂	B ₁₈ , B ₁₉	C ₂₁ , C ₂₂	D ₀₁ , D ₀₂ , D ₀₃ , D ₀₄
14	مناقشة عامة وحوار مفتوح	15,17				D ₀₅ , D ₀₆

Course Coordinator: Associate Professor Dr. Alaa Shams El-Deen Al-Eishy

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

Date of Approval: