



**Course Specifications:
ARE7223 - Urban Design**



1. Basic Information

Program Title	Architectural Engineering
Department offering the Program	Architectural Engineering
Department Responsible for the Course	Architectural Engineering
Course Title	Urban Design
Course Code	ARE7223
Year/ Level	Second Year – Second Semester
Specialization	Minor
Authorization date of course specification	2005

Teaching Hours	Lectures	Tutorial	Practical
	2	3	0

2. Course Attributes:

No.	Attribute
05	Use the techniques, skills, and appropriate engineering tools, necessary for engineering practice and project management.
08	Consider the impacts of engineering solutions on society & environment.
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 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 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 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.

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 ₀₆	Manage tasks and resources efficiently.

4. Course Contents:

No.	Topics
1	أسس ونظريات التصميم العمراني
2	الدراسات العمرانية
3	الدراسات البصرية وأسس التشكيل البصري
4	عناصر تنسيق الموقع

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	×



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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 , D ₀₂ , D ₀₃
2	Oral Examination	√	-
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	8 th
2	Oral Examination	-
3	Practical Examination	×
4	Semester work	2 nd , 4 th , 6 th , 10 th , 12 th
5	Other types of assessment	×
6	Final Term Examination	15 th

6.3 Weighting of Assessments:

No.	Assessment Method	Weights
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1	Mid Term Examination	12%
2	Oral Examination	-
3	Practical Examination	-
4	Semester work	24%
5	Other types of assessment	-
6	Final Term Examination	64%
Total		100%

7. List of References

No.	Reference List
1	مبادئ التصميم العمراني
2	Urban Design
3	Basic Elements of Landscape Architecture

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	أسس ونظريات التصميم العمراني	5, 8	A ₀₄ , A ₁₆	B ₀₃ , B ₁₀	C ₁₇ , C ₁₈	D ₀₁
2	الدراسات العمرانية	5, 10	A ₁₇ , A ₁₈	B ₁₀ , B ₁₃	C ₁₇ , C ₁₈	D ₀₂ , D ₀₃
3	الدراسات البصرية وأسس التشكيل البصري	5, 8, 10	A ₁₇ , A ₁₈	B ₁₈	C ₁₉	D ₀₂ , D ₀₃
4	عناصر تنسيق الموقع	15, 16	A ₁₇ , A ₁₈	B ₁₈ , B ₂₁	C ₂₁	D ₀₃ , D ₀₆

Course Coordinator: Dr. Salah Mohamed Ibrahim Kaood

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

Date of Approval: