



Department of Architecture

College of Engineering

University of Salahaddin-Erbil

Subject: Urban Design

Course Book (Year 5)

Lecturer's name

PhD, Dr. Kayfi Akram Mawlan

MSc, Alifa Babaker Muhammed

MSc, Shna Asaad Mohammed

MSc, Sakar Yousif Abdulla

MSc, Shayma Abubaker

Academic Year: 2023/2024

Course Book

1. Course name	Urban Design
2. Lecturer in charge	Dr. Kayfi Akram Mawlan
3. Department/ College	Architecture / Engineering
4. Contact	e-mail kayfi.mawlan@su.edu.krd Tel: Mobile: 0750 445 4475
5. Time (in hours) per week	Theory: 2 Practical: 4
6. Office hours	Wednesdays, Thursdays, Mondays
7. Course code	
8. Teacher's academic profile	Lecturer are interested and have experience in following teaching materials: - Slums and Urban Renewal Module - Urban Morphology Module- - Housing and Environmental Design modules 3rd stage- Architectural Design- City planning- Housing- Planning Principles- Architectural Thesis- Urban Design- Architectural Design- Smart Urban Growth
9. Keywords	Urban design dimensions, urban corridor,
10. Course overview:	<p>The courses cover recent urban design theory and criticism. The approach emphasizes the mutual influences between architectural and urban design theory, and the plurality of values underlying current approaches. The course is widely illustrated with examples of both built and unbuilt projects of varying urban scales.</p> <p>Concerned with the collective form of urban and suburban environments, ranging from grouping of buildings to the entire city. This involves analysis of urban patterns and outdoor spaces as well as cultural and socio-economic context.</p>
11. Course objective:	<p>The primary objective of this course is to introduce students to prevailing ideas in the field of (Urban Design-UD) and to the anticipated challenges that will likely affect the evolution of cities. By the end of the courses students will expect to gain the following:</p>

1. Introducing new models and theories which involve the latest literatures in urban design sciences such as hybrid urban space, a new theory of space syntax and sustainable form of urban design.
2. Direct experience in understanding, interpreting and applying theories of urban design.
3. A basic capacity to critique urban design
4. An understanding of urban design as a dynamic force integral to the evolution of cities.
5. An introduction to the language and terminology of land use and urban design.
6. A heightened awareness of the details of the built environment to foster lifelong design learning.
7. To familiarize the students with the movement structure of a city and (UD) concepts, standards, methods, procedures for sustainable mobility system and applying on the practical part of the lectures.
8. To provide students with skills and knowledge how to treat with the design of public spaces, knowing the relation between urban design and architectural design, appreciating the factors that are to be considered in (UD) and the open spaces requirements and aesthetics.
9. To examine the elements, concepts and methods of (UD), with emphasis given to the visual and spatial problems. Emphasis is placed on methods of analysing urban form, organizational and structural concepts, human, natural and physical elements of (UD) and methods of implementation.

12. Student's obligation

- Regular attendance is required according to the university rules online and on campus.
- weekly participation and conducting assignments are required.
- All submissions to be at studio and on time.

13. Forms of teaching

- The courses include two parallel streams of activity; design action and design thinking.
- The semesters deal with a physical model of a real urban area, which students make changes, additions and modifications.
- The studio work includes presentations and interactive discussions about readings in (UD).

- Each week all teams of students make design changes to the model based on the previous week's discussions and present those changes to the class.
- Students are additionally required to make presentations demonstrating an understanding and critical engagement of course readings and will write critiques of other students' designs. The course will be enriched with quizzes, class and online activities, and Studio work evaluation.

14. Assessment scheme

Assessment tools

*** Final exam: Total mark 50%, It will include:**

theoretical exam 30%,

Practical Exam 20 %: The final submission of the urban design project will be considered here.

*** Total annual mark 50%**

Assessment Tool	Description	Weight
Quizzes	quizzes are conducted during theoretical hours	%2
Mid-term Exam	Theoretical	%15
Daily mark	Daily activity mark	%5
Report (Assignment)	Students have reports on their projects/individual work	%7
Projects submissions	students have one project to be done in groups and have different submissions according to existing situation and stages of urban design process; They are submitted in drawings which are presented in a form of Power Point presentations (PPT) and Poster Presentations (PP).	%21

15. Student learning outcome:

- Students will have updated knowledge of urbanism
- Students will apply the theoretical part into the practical part directly.
- Learning methods of Documentation of urban space will be conducted
- Data collection skills correlated with data analysis enables students to detect the problem precisely
- Students will be able to propose solutions parallel with sustainable international developments

- Students will generate site plans, 3 Dimensional views and all related details of the projects

16. Course Reading List and References:

▪ Key references:

Carmona, Matthew,; Tiesdell, Steve; Heath, Tim; Oc, Taner, **“Public Spaces Urban Spaces, The Dimensions of Urban Design”** 2nd ed, Architectural Press, Oxford, 2010.

▪ Useful references:

Cluskey, Jim. “ Road Form and Townscape” Architecture Press, London, 1979.
Donald Watson “Time-Saver Standards for Urban Design” , February 21, 2003.
Gordon Cullen , “The Concise Town Scape” , Architectural Press, 1961.
Hillier, Bill & Hanson “ The Social Logic of Space” , Cambridge, Cambridge University Press 1984.
Krier, Rob, “Urban Space” , forwarded by Colin Rowe, New York: Rizzoli, 1979.
Larice, Michael, and Elizabeth Macdonald, eds., “The Urban Design Reader” , Routledge, Urban Reader Series, 1st edition, London: Routledge, 2006.
Lynch, Kevin “ A Theory of Good City Form” , Cambridge, Massachusetts, The MIT Press, London 1981.
Lynch, Kevin. , “ The Image of the City “ , Cambridge, Massachusetts, The MIT Press, London, 1960.
Morris, A.E.J., “History of Urban Form, Before the Industrial Revolutions” , 3rd ed, Essex: Longman Group UK Ltd, 1994.
Rapoport, A., “Human Aspects of Urban Form, Towards a Man-Environment Approach to Urban Form and Design” , Oxford: Pergamon Press Ltd, 1997.
Rapoport, Amos. , “Human Aspects of Urban Form – Towards a Man Environment approach to urban form and design” , Pergamon Press, U.K, 1977.
Rossi, Aldo, “The Architecture of the City” , First, Cambridge: The MIT Press, 1982.
Salingeros, Nikos A, “ Urban Space and its Information Field “ , Journal of urban design , Vol. 4 – Division of Mathematics , University of Texas at an Antonio, USA 1999 .
Spreiregen, P.D. “Urban Design: The Architecture of Towns and Cities” , Mc- Graw Hill, N.Y, 1965.

17. The Topics: 18. Practical Topics:		
Week	Theoretical Lecture hours: Wednesday (9:00 am -10:00 am)	Practical Lecture hours: Wednesday (10:00 am - 1:00pm)
1 Dr. Kayfi Akram Mawlan	Wednesday 13,09,2023 -course book review -Discussing Group organisations and team work -giving an introduction about the semester <u>Urban Design as a Distinguishing Discipline</u>	-discussing the total process of submissions - Practical projects introduction - Student projects presentation grouping Home work: (exploring the mixed use Corridor in Erbil City) First Stage: Mixed use corridors of Erbil City Presentation - Site selection (corridor Project) Homework: Urban design Dimensions overview
2 Dr. Kayfi Akram Mawlan	Wednesday 20,09,2023 <u>Urban Design Elements and Values</u>	Second Stage: Urban Design Dimensions investigation Students are required to present Urban dimensions' overview from urban design Readers provided by Lecturers Home work: similar projects
3 Dr. Kayfi Akram Mawlan	Wednesday 27,09,2023 <u>The Elements of townscape organization</u>	Third Stage: Similar example Presentation of similar projects and submitting first site plan of the selected area. Homework: Similar to be continuous

<p>4 Alifa Babaker Muhammed</p>	<p>Wednesday 04,10,2023</p> <p><u>The Morphological Dimension of Urban Design</u> (Urban Morphology and Urban Form)</p>	<p>Presentation of similar projects and submitting second revision of site plan of the selected area. Homework: Data collection Note: Students get feedback and review their work before submitting for final Mark.</p>
<p>5 Shna Asaad Mohammed</p>	<p>Wednesday 11,10,2022</p> <p><u>The functional dimension.</u></p> <p>-Public Space and the Public/Private Interface. -The social use of space. - Privacy</p>	<p>Third Stage: Similar example</p> <p>Final presentation of Similar projects</p> <p>Presentation of similar projects and submitting second revision of site plan of the selected area. Homework: Data collection Note: Students get feedback and review their work before submitting for final Mark.</p>
<p>6 Alifa Babaker Muhammed</p>	<p>Wednesday 18,10,2023</p> <p><u>The Social dimension</u></p> <p>-The Social Production of Space -People & Place -Jan Gehl studies. - The public realm. -Neighbourhood (size, boundaries, Social relevance and meaning). -Fundamental process of human behaviour.</p>	<p>- Forth Stage: Data Collection</p> <p>1-Site visit for each group location 2-prepare maps and satellite images for the selected corridors 3- Regional identity (site description and historical background) 4- Linkages to surroundings 5- Local character that includes: 5.1 take photos of the elevations of the corridor and determine the existing activities on both sides 5.2 building uses. 5.3 Building forms and features 5.4 local material</p>
<p>7</p>	<p>Wednesday 25,10,2023</p>	<p>- Forth Stage: Data Collection</p>

	<p><u>Midterm Exam.</u></p>	<p>1st level -The morphological dimension of the streets:</p> <ul style="list-style-type: none"> - Checking data about morphological dimension of the streets, including: <ol style="list-style-type: none"> 1- Urban block size. 2- Spatial configuration of the zone. 3- Spatial variety. 4- Continuity & Active Frontage. <p>Morphological data collection for your corridor locations which include (physical elements of the urban form (Plot, street, open spaces, constructed open spaces)</p> <ol style="list-style-type: none"> 1 setback, 2. plot coverage, 3.street width, 4. building type, and 5.building height <p>functional dimension of the streets:</p> <ul style="list-style-type: none"> - Checking data about morphological dimension of the streets, including: <ol style="list-style-type: none"> 1- Urban block size. 2- Spatial configuration of the zone. 3- Spatial variety. 4- Continuity & Active Frontage. <p>Checking data about Functional dimension of the streets</p> <p>The Social dimension of the streets: The Perceptual dimension of the streets</p> <p>The Visual dimension of the streets</p> <p>The Temporal dimension of the streets</p>
<p>8 Shna Asaad Mohammed</p>	<p>Wednesday 01,11,2023 <u>Rational Decision Making:</u> - How to analyse the data and evaluate the alternatives. *Goals Achievement Matrix (GAM). (SWOT Strengths, Weaknesses, Opportunities,</p>	<ul style="list-style-type: none"> - Checking visual observation for each student to reach final stage <p>Final Presentation of Data Collection</p>

	and Threats., space syntax , GIS) techniques.	
9 Sakar Yousif	Wednesday 08,11,2023 <u>The perceptual dimension</u> -Environmental Perception. -Beyond the image of the city. -Sense of Place.	- Fifth Stage: Data analysis
10 Shna Asaad Mohammed	Wednesday 15,11,2023 <u>The visual dimension.</u> Aesthetic References. - Patterns and Aesthetic Order. - Positive and Negative Space. -The Street. -Townscape	- Fifth Stage: Data analysis Final Presentation
11 Alifa Babaker Muhammed	Wednesday 06,11,2022 <u>The Temporal Dimension of Urban Design.</u> - Time Cycles. -The time management of urban space. - The continuity of place.	- Sixth Stage: Strategy (urban development process).
12 Dr. Kayfi Akram Mawlan	Wednesday 22,11,2023 <u>The Concept of Integration in Urban Design</u>	- Sixth Stage: Strategy (urban development process). Evaluation of alternatives

<p>13 Sakar Yousif</p>	<p>Wednesday 29,11,2023 <u>ENVIRONMENTAL PLANNING and sustainability in urban design</u></p>	<p>- Sixth Stage: Strategy (urban development process). Developing the evaluated alternative in detail</p>
<p>14 Shna Asaad Mohammed</p>	<p>Wednesday 06,12,2023 <u>Pedestrian design and street furniture</u></p>	<p>- Sixth Stage: Strategy (urban development process). Proposing the final proposal of Urban corridor project</p>
<p>15</p>	<p>Wednesday 13,12,2022 Final Exam during the fall semester Exam period</p>	<p>- Seventh Stage: Development of Best Proposal Final Presentation of Strategies</p>

19. Examinations:

1. Compositional:

Q1-What are values and Benefits of Urban Design? Mention and explain one briefly.

Q2- Discuss the “Distinction between sensation and perception”?

Q3- how do you define Placelessness? What is the source of it?

2. True or false type of exams:

Q1-Chosse the best answer:

- a- Environment perception is a way in which an individual perceives the environment. True False
b- Perception is input about the physical world obtained by our sensory receptors. True False

3. Multiple choices:

Q1-Chosse the best answer:

- a- Agora is a
1-Building 2- open space 3-tradetional allay 4- courtyard

20. Extra notes:

13. Guidelines on Grading Policy					
Grades	Letter	GPA	Grades	Letter	GPA
95-100%	A	4.0	65-69%	C	2.0
90-94%	A-	3.7	60-64%	C-	1.7
85-89%	B+	3.3	55-59%	D+	1.3
80-84%	B	3.0	50-54%	D	1.0
75-79%	B-	2.7	0-49%	F	0.0
70-74%	C+	2.3			
W	Withdrawal		I	Incomplete	
Passing grade	50%				

21. Peer review**پیداچونہوہی ھاوہل**

This course book has to be reviewed and signed by a peer. The peer approves the contents of your course book by writing few sentences in this section.

(A peer is person who has enough knowledge about the subject you are teaching, he/she has to be a professor, assistant professor, a lecturer or an expert in the field of your subject).

ئەم كۆرسىۋوكە دەبىت لەلايەن ھاوہلىكى ئەكادېمىيە سەپىر بىكرىت و ناوہرۆكى بابەتەكانى كۆرسەكە پەسەند بىكات و جەند ووشەيەك بنووسىت لەسەر شىاوى ناوہرۆكى كۆرسەكە و واژووى لەسەر بىكات.
ھاوہل ئەو كەسەيە كە زانىارى ھەبىت لەسەر كۆرسەكە و دەبىت پلەي زانستى لە مامۇستا كەمتر نەبىت.