



**DEPARTMENT OF ARCHITECTURE ENGINEERING
ARCHITECTURE ENGINEERING PROGRAM, BSC.**

Course Syllabus

1. Course number and name

AR 455 URBAN DESIGN

2. Credits and contact hours

(1+2) 2 credit hours, 3 contact hours

3. Course type

Face to Face education (1+1)

4. Instructor's or course coordinator's name

Dr. Majida Yakhlef

Dr. Montaser Hiyari

Arch. Mazen Alnabulsi

5. Textbook information

Architecture and the urban environment, Thomas, Derek, 2002

LeGates R.T; Stout F. THE ROUTLEDGE URBAN READER SERIES, (2011).5th edition

The urban design process, shirvani hamid, 1996

a. Other supplemental materials

Instructor's notes

6. Specific course information

a. Catalog description

Urban design comprehensive concept principles and elements; urban space typologies morphology, land use, transportation networks; urban indicators; urban growth and revision of studies.

b. Prerequisites or co-requisites

Prerequisite: AR 356 Urban Planning (806356)

c. The course is:

Required in the Architecture Engineering program.

7. Specific goals for the course

a. Intended Learning Outcomes:

After completion of the course, students are expected to be able to:

A. Knowledge and Understanding (student should):



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- A.1 Understand the evolution of urban design, define its domain, understand the aspects of new trends
- A.2 Identify elements, principles, and prospects of urban design.
- A.3 Understand various forces that shape the city, social, economic, and environmental

B. B. The following student outcomes are addressed by the course Cognitive and Intellectual Skills:

B.1 Evolving alternatives based on the various aspects of the city, its major urban problems, to Identify multidisciplinary solutions that works best for all stakeholders.

B.2 An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environmental, and societal context.

B.3 Using critical thinking in analyzing different interrelationships between macro, meso and micro scales accordingly.

C. Subject specific skills:

- C1. Describe the various concerns of the city on different urban design level
- C2. Learn the role of urban design in user's life and their wellbeing, and how to meet the need of the market and the ability to execute such projects

8. Intended Learning Outcomes and their Alignment with Program learning Outcomes (PLO's) Methods of Delivery, and Assessment Methods:

Intended Learning Outcomes	PLO's	Method of Delivery	Assessment Method
A.1 Identify elements, principles, and prospects of urban design	1.1	Lectures case studies	Discussion
A.2 Understand problems of urban design, define its domain, understand the aspects of new trends	1.2	Lectures case studies	Assignment
B.3 Using critical thinking in analyzing different interrelationships, create solutions in relationship with certain parameters and standers	1.3.1	Lecture's studio work	Project
B.2 Understand various forces that shape the city, social, economic, and environmental	1.3.2	Lectures	Midterm Exam



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B.3 An ability to response function effectively with the site and its characteristic and needs; soil; water surface, etc. to create a collaborative and inclusive environmental, and societal context.	1.3.5	Term Project	Term Project- phase one
B.1,C.1.2 Evolving alternatives based on the various aspects of the city, its major urban problems, to Identify multidisciplinary solutions that works best for all stakeholders, as well as global, cultural, social, environmental, and economic factors.	1.3.8	Term Project	Term Project- phase two

9. Weekly Teaching Plan

Week	Lecture	Topic	Method of Delivery
1	Lec_1	Introduction to urban design	Lecture
	Lec_2	Introduction to urban design	Lecture
2	Lec_3	Definition of project (release of project, definition of action area; Main task: urban problems of certain urban area, analyses, and synthesis stages)	Studio active learning
	Lec_4	Process, Domain, elements, and principles of Urban Design	Lecture
3	Lec_5	Process, Domain, elements, and principles of Urban Design	Lecture
	Lec_6	urban design morphology, dimension, Scale, and scope	Lecture
4	Lec_7	Theories of Urban Design, City formation	Lecture
	Lec_8	Theories of Urban Design, City formation	Lecture
5	Lec_9	1st submission of project (10%) Initial analysis of urban problems (action area), case studies	Studio active learning
	Lec_10	City sectors in relation to certain reference	Lecture
6	Lec_11	Case study analysis	Studio active learning



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	Lec_12	Individual report release discussion	Studio
7	Lec_13	Trends of urban design; pioneering works	Lecture
	Lec_14	Trends of urban design; pioneering works	Lecture
8	Lec_15	New trends, where we are now?	Lecture
	Lec_16	New trends, where we are now?	Lecture
9	Lec_17	Report Discussion	Studio
	Lec_18	Prelim submission of report 5%	Studio
10	Lec_19	Midterm exam 30%	Lecture
	Lec_20	The shift of paradigm from traditional trends to smart trends	Lecture
11	Lec_21	The shift of paradigm from traditional trends to smart trends	Lecture
	Lec_22	2nd report Submission Analysis of urban problems Submission (5%)	Studio
12	Lec_23	Case studies	Lecture
	Lec_24	Case studies	Video/ Lecture
13	Lec_25	The future of cities	Lecture
	Lec_26	Pre final submission of project (5%), Finale report 5%	Studio
14	Lec_27	Group discussion	Studio
	Lec_28	The future of cities	Lecture
15	Lec_29	Smart cities	Lecture
	Lec_30	Final Project submission and discussion (10%)	Studio
16	Lec_31	Smart cities	Lecture
	Lec_32	Final exams 30%	Lecture

1. Grade Distribution:

Assessment	Grade	Week No.
- Midterm Exam	30%	10 th Week
-Assignments (Reports /Quizzes/ Seminar / Tutorials/ HomeWorks)	40%	1-16 th Week
- Final Examination	30%	16 th Week

Note: Make-up exams will be offered for valid reasons. It may be different from regular exams in content and format.



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