



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

Course Syllabus

1. Course number and name

AR 419 ARCHITECTURE DESIGN (6)

2. Credits and contact hours

(1+8) 5 credit hours, 9 contact hours

3. Course type

Face to Face education (1+1)

4. Instructor's or course coordinator's name

Dr. Majida Yakhlef

5. Textbook information

Frederick R. Steiner, and Kent Butler. (2007). "Planning and Urban Design Standards". Wiley publisher

Urban Design: A typology of Procedures and Products. Illustrated with over 50 Case Studies, Jon Lang, 2005, Architectural press.

a. Other supplemental materials

Instructor's notes

6. Specific course information

a. Catalog description

urban design; its primary intentions, goals, role in the built environment, strategies, aspects of infill projects concerning context, legislations, society and local economy, major urban design projects, and its needed detailed studies.

b. Prerequisites or co-requisites

Prerequisite: AR (806418), Design V

c. The course is:

Required in the Architecture program.

7. Specific goals for the course

a. Intended Learning Outcomes:

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



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A. Knowledge and Understanding (student should):

- A1. Understand the complexity of the urban design problems, and the interrelationships between macro, meso, and micro scales. Finding the appropriate analysis accordingly.
- A2. Understand the role of the urban designer as a mediator between various stakeholders, and Identify multidisciplinary alternatives that work best for all.
- A3. Understand the urban typo-morphology.

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

- B1. Discuss the importance of quantitative and qualitative data.
- B2. Discuss the importance of SWOT analysis.
- B3. Discuss some urban design theories that help to solve the contextual issues.

C. Subject-specific skills:

- C1. Discuss various design approaches relevant to a particular situation of cultural and social paradigm.
- C2. Discuss the concepts of the critical thinking method to assess the proposed solutions.

D. Transferable Skills:

- D1. Apply principles of research analysis methods.
- D2. Relate urban design concepts to the community in all settings.

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

Learning Outcomes	PLO	Method of Delivery	Assessment Method
A.1 Apply principles of research analysis methods.	1.1	Studio	Discussion pinup
B1.2.3 Knowledge of urban design theories to solve contextual problems such quantitative, qualitative and SWOT analysis data.	1.2	Case studies / studio	Discussion pinup
C.1 Relate urban design concepts to the community in all settings. Its impact on the built environment	1.7	Lectures	Discussion



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D.2 Understand the complex urban design problem, through interrelationships between human behavior and the built environment through urban design		Semester project	pinup
C.2 Discuss various design approaches relevant to a particular situation of cultural and social paradigm	1.7	Semester project	Final pinup
A.3 Ability to redesign, rehabilitate and adaptive reuse of buildings, conversation of natural resources towards sustainable built environment	2.1	Semester project	Discussion

9. Weekly Teaching Plan

Week	Lecture	Topic	Method of Delivery
1	Mon	Class introduction group identification	Studio
	Wend	First phase: Analysis of urban area (group work)	Studio
2	Mon	First phase: Analysis of urban area (group work)	Studio
	Wend	site visit	Site
3	Mon	analysis, case studies	Lecture/studio
	Wend	analysis, case studies Data collection, problem identification, goals, and objectives	Discussion
4	Mon	First phase development, detailed urban analysis (macro and micro)	Group discussion
	Wend	First phase development, case studies analysis, urban program	Group discussion
5	Mon	Submission of first phase (average of one board for each student)	Pinup
	Wend	Second phase: synthesis and strategy of intervention	Lecture
6	Mon	Setting of initial strategies	Studio
	Wend	Vision, intervention plan	Studio
7	Mon	Elements and factors of redevelopment,	Lecture
	Wend	Action area or areas delineation and zoning	Studio
8	Mon	Action area or areas delineation and zoning	Studio
	Wend	Submission of second phase	External jury



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9	Mon	Third phase: Urban infill and design guidelines (individual)	Studio Discussion
	Wend	Developing guidelines, setting criteria.	Studio
10	Mon	Architectural detailed program	Studio
	Wend	schematic design, urban form linguistics	Discussion
11	Mon	Development submission	Pinup
	Wend	Project development	Studio
12	Mon	Project development	Studio
	Wend	Project development	Studio
13	Mon	Project development	Studio
	Wend	Pre final submission	Pinup /Discussion
14	Mon	Project development	Studio
	Wend	Project development	Studio
15	Mon	Project development	Studio
	Wend	Project development	Studio
16	Mon	Project development	Studio
	Wend	Final submission	Pinup

1. Grade Distribution:

Assessment	Grade	Week No.
1 st submission	15%	5 th Week
2 nd submission	20%	8 th Week
Development/ report	10%	11 th week
Prefinal submission	15%	13 th week
Final submission	40%	16 th Week

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