



The American University of Kurdistan (AUK)
College of Engineering
Department of Architecture

Course Syllabus

ARCH420 Architectural Design Studio VII

Course lecturer: Kawar Salih

Kawar.salih@auk.edu.krd

Spring 2021

Section 1 Course Profile:

Department:	Department of Architecture
Program:	BSc Architectural Engineering

Course Code – Full:	Course Code – Short:
ARCH420	
Course Title:	Credit Hours:
Architectural Design Studio VII	4

Semester:	Spring 2021
Academic Year:	2020-2021

Course Instructor:	Kawar Salih, MSc	
Delivery Method:		
Lecture	Tutorial	
1 hour	3 hours	

Section 2 Course Syllabus:

2.1 Course Contents (Description)

Hidden behind the common fact that we live in an urbanizing world where more than 50 percent of the planet now lives in cities, is a dramatic realization. Most of that urban growth, that is, one-third of the planet's urban population, lives in an informal settlement. Informal settlements are the most common form of urbanization in the world. Our discipline lacks tools to fully understand this unfolding drama. Inspired by a desire to address this contradictory issue of informality and lack of disciplinary tools, this course focuses on understanding the role of high-quality design as a tool to address urban social problems. Projects and topics discussed will include the role of art and culture in building community, the design of global cities, concern for energy systems and sustainability, and design's accommodation of global capital and investment. Through the work, student projects, and in-class discussions, this course will address if urban design practices are responsible for innovatively improving the social conditions.

The course will introduce students to the critical thinking about the design of the built environment at many scales from the design of a park bench to the logic of large citywide systems. The physical form of the city is a result of a multitude of design decisions about built and unbuilt spaces. Throughout this course you will be introduced to a series of tools to critically observe, analyze, evaluate, and make urban design decisions at different scales. At the end of the semester, you should feel confident to express your own attitude and insights about forms of community and the built environment.

2.2 Course Objectives and learning outcomes:

LO Code	Learning Objective
A	Demonstrate knowledge of contemporary ideas of shaping space in cities.
B	Identify principles of formulating local zoning plans for advanced urban complexes using the applicable notation.
C	Identify the regulations and procedures of formulating local land-use plans. Zoning and their impact on the investment.
D	Prepare complex analysis of external and internal circumstances and their synthesis and interpret the results
E	Interpret guidelines from superior planning studies and implement them in professional design practice.
F	Identify and characterize elements of urban structures and classify functions.
G	Develop the spatial structure of urban complexes with consideration of the functional program, communication services, spatial composition, connections with service centers and green areas.

H	Prepare and present the result of their design work in the form of a local land-use plan zoning of increasing complexity, taking into account technical , social, natural, cultural and legal requirements
I	Demonstrate skills in developing the human environment with consideration of relationships between people and buildings and space.
J	Demonstrate readiness to start research work in the areas of urban design.

2.4 Weekly Plan (Teaching Schedule - Course Outline):

Table 3: Weekly Plan

Week	Lecture	Topic	Description	Number of hours
1	1	Course Introduction,	Project brief discussion	2 hours
	2	Introduction to the Project II		2 hours
2	3	Data collection	Lecture	
	4	Data Collection	Sit Visit	
3		Base case Analysis	(FARs, MGC)	
	5	Base Case analysis	Circulation (pedestrian, bicycles, cars, entrances and parking lot calculation) and Environmental analysis	
4	6	Base Case Analysis	Land use, 3D of the Site	
	7	Base Case analysis	Visual, elevations	
5	8	Similar Case Analysis	Lecture	
	9	Similar Case Analysis	Workshop	
6	10	Similar Case Analysis		
	11	Presentation	Base Case and Similar Case Analysis	
7	12	Design concept (brainstorming)	Brain Storming	
	13	Design concept (brainstorming)	First massing (2D masses)	
8	14	Design Progress	First massing (2D masses)	
	15	Design Progress	Circulation, and function	
9	16	Design Progress	Circulation, and function	
	17	Design Progress	Environmental input and green areas	
10	19	Design Progress	Façades style input	
	20	Design Progress	3D Massing	
11	21	Pre-final Presentation		
	22	Design Progress	3D Detailing	
12	23	Design Progress	3D Detailing	
	24	Design Progress	3D Detailing	
13	25	Design Progress	Final Touches	
	26	Final Presentation		

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* Dates and topics contained in this teaching schedule are subject to change. Any modification will be announced in the class and on the website. It is the responsibility of student to stay informed on any updates. If any of days above fall into a holiday, the class, including the exam dates will shift accordingly.

2.5 Educational Resources

Core materials:

- Gruber, P., 2011. *Biomimetic architecture: Architecture of Life and Buildings*. Mörlenbach: Springer.
- Smith, P. F., 2001. *Architecture in Climate Change*. Oxford: Elsevier.
- Commission for Architecture and the Built Environment, 2008. *Creating Successful Master plan: A Guide for Clients*. CABI: London.
- Lynch, K., 1960. *The Image of the City*. Cambridge
- APA, 2007. *Planning and Urban design standards: Student Edition*. Wiley & Sons, Inc., Hoboken, New Jersey.

2.6 Methods of Teaching

The information below is provided as a guide to assist students in engaging appropriately with the course requirements.

This is a 4 unit course. Students in this course are expected to attend 6-8 hours of lecture/ tutorial/ workshop each week and allow for 18-22 hours of self-directed learning each week. That is a total of 30 hours a week for 8 weeks. The tutorials and other activities, including reviews of work in progress are an important component of learning in this course. The communication skills developed by regularly and actively participating in activities and discussions are considered extremely important by the School and are highly regarded by employers and professional bodies.

This course requires high participation for each class. The course will include verbal communication between the students and teachers as well as use of. There needs to be commitment from the students to do enough self-directed studies in order to participate in class.

- **Lectures:** Students are required to attend lectures as these will provide the initial basis for further discussion and critique toward development of assessable outputs. Lectures may not be recorded. PDFs of slides may be provided but these may not contain critical verbal explanations of visual material. A range of lectures will background the diverse range of understandings and practice of design thinking.
- **Tutorial:** time will be devoted to discussion of assessable assignment material and some exercises supporting delivery of the assignments. They are also the primary means to receive individual feedback via work-in-progress reviews. At this level of learning, peer review and commentary is encouraged as a valuable learning tool, both in offering comment on fellow-students' work and in receiving and responding to comment on your own work. It is considered desirable to change and evolve your position throughout the course. Tutorials involve discussion and revision of points of view.
- **Workshop:** It will be held in computer lab and time will be spent on developing the work on assignment material. They are also the primary means to receive individual feedback via work-in-progress reviews. At this level of learning, peer review and commentary is encouraged as a valuable learning tool, both in offering comment on fellow-students' work and in receiving and responding to comment on your own work.
- **Small Group Discovery:** There will be tasks undertaken as part of the 'small group discovery' mode of teaching & learning.

2.7 Course Requirements

In order to accomplish the learning outcomes of this course, the learner is required to

- Attend class lectures
- Participate in class activities
- Read and study assignments
- Do homework and class work assignments and design projects.
- Fulfill design project presentation requirements.

Personal business, such as travel, employment, family obligations, illness, weddings, graduations, and attendance at public events, is not an official, documented University conflict.

2.8 ASSESSMENT

- In-class activities: Students are expected to participate in multiple activities taking place in the classroom or lab.
- Assignments: Students required to study on certain cases of study and presents their findings inside class.
- Final project: this is detailing and drafting project that students should as part of the assessment method.

2.9 Assessment Methods

Activity	Points
Activities inside class	50
First Submission	100
Pre-Final Submission	150
Final Submission	200 points

Project:

Details of the Design Project (Project Brief) will be uploaded on Team and discussed with students during the class.

Final course grades will be assigned as follows:

Grade	Points Collected	Percentage	Grade Points	Meaning of Grade
A	450-500	90.00 –100	4.00	Excellent
B ⁺	425-449	85.00-89.99	3.5	Very Good
B	400-424	80.00-84.99	3.00	Very Good
C ⁺	375-399	75.00 -79.99	2.5	Good
C	350-374	70.00-74.99	2.00	Good
D ⁺	325-349	65.00-69.99	1.50	Satisfactory
D	300-324	60.00-64.99	1.00	Pass
F	Less than 300	Less than 60	0.00	Fail
IP			0.0	The course is still in progress
I			0.0	Assigned for incomplete course

2.10 Judicial Statement/Academic Misconduct

Academic misconduct is defined as plagiarism, cheating, fabrication, or facilitating any such act. For purposes of this section, the following definitions apply:

(1) Plagiarism: The adoption or reproduction of ideas, words, statements, images, or works of another person as one's own without proper acknowledgement.

(2) Cheating: Using or attempting to use unauthorized materials, information, or study aids in any academic exercise. The term academic exercise includes all forms of work submitted for credit or hours.

(3) Fabrication: Unauthorized falsification or invention of any information or citation in an academic exercise.

(4) Facilitation: Helping or attempting to help another to violate a provision of the institutional code of academic misconduct.

Academic misconduct will result in actions taken as defined by the AUK. In addition to other possible disciplinary sanctions that may be imposed through regular institutional procedures as a result of academic misconduct, the instructor has the right to assign an F or a zero for the work in question or to assign an F for the course. If a student believes he or she has been falsely accused of academic misconduct, and if his or her final grade has been lowered as a result, the student may appeal the case through the appropriate institutional procedures.

2.11 Drop/Withdrawal Policy and Dates

Drop and withdrawal are to be in accordance to AUK policy.

2.12 General conduct in class

The instructor has primary responsibility for control over all classroom behaviour and can direct the temporary removal or exclusion from the classroom of any student engaged in disruptive conduct or conduct which otherwise violates the general rules and regulations of AUK.