



Salahaddin University
College of Engineering
Architectural Department
Subject: Housing
Course book: 3rd stage
Lecture's name: Housing Staff
Academic year: 2022-2023

Hadeel Al-Sabbagh (Lecture)

Shna Asaad Muhammed (Assistant Lecture)

Maysa Ghazi (Assistant Lecture)

Saya Jamal (Assistant Lecture)

Course Catalogue:

General information

<u>1</u>	Course name	Housing
<u>2</u>	Lecturer in charge	Hadeel Al-Sabbagh, Shna Asaad Muhammed ,Maysa Ghazi , Saya Jamal
<u>3</u>	Department/college	Architecture/Engineering
<u>4</u>	contact	E-mail: hadeel.eshaq@su.edu.krd Tel. 07703068893 E-mail: maysa.danoon@su.edu.krd Tel. 07504991688
<u>5</u>	Time (hr./week)	[(Theory: 2 hr.) – (Practical: 2 hr.)]/week
<u>6</u>	Office hours	Availability of the lecturer to the student during the week
<u>7</u>	Lecturers’ academic profile	1- <u>Hadeel Al- Sabbagh</u> : I have a B.SC degree in architectural engineering, graduated from college of Engineering-Architectural department /Mosul university 2001, and completed my master’s study at the university of Baghdad to get a master’s degree in urban and regional planning 2005. Since 2006, I have been working at the university of Slahaddin/Department of Architecture.

Area of Interest: Spatial Analysis by using Space Syntax Theory& GIS application, Urban Mobility System and Social Behavior Studies in the Built Environment.

2- Maysa Ghazi: I have a B.SC degree in architectural engineering, graduated from college of Engineering- Architectural department /Mosul university in 2000 and in the fourth sequence on the group , I worked about two years in the United nations organizations-Erbil , since 2004 I am working as a lecturer in Salahaddin university-college of engineering as a facilitator , in 2020 I have achieved the master's degree with a grade of excellence from Salahaddin university-college of engineering and nowadays I am a staff member there.

Course Objectives:

By the end of the course, the students will be able to understand the following topics:

- 1- The Concept housing.
- 2- Theories of housing planning.
- 3- Housing Planning in Kurdistan.
- 4- Housing Programs.
- 5- Housing Policies in Kurdistan.

- 6- Economic analysis of housing.
- 7- Mathematical analysis of urban density.
- 8- Urban housing standards.
- 9- Affordable housing.
10. Sustainable Terms in the housing planning.

Students' Obligations:

- Regular attendance is required according to the university rules.
- The use of mobile phone during the class is prohibited.
- Only the students who are officially enrolled can attend the class, guests and children are not admitted.
- Daily participation and conducting assignments are required.

Forms of Teaching:

These lectures are designed to help students to improve their architecture design skills to present their ideas as best as possible. Forms of teaching will be identified according to students needs by using the following teaching methods:

- PowerPoint presentation for theoretical part.
- White Board.
- Group discussion.
- Individual Feedback.
- Studio work.
- Homework.
- Using AutoCAD and 3D Programs to rendering and presentation.
- Projects Hand in (Daily and Presentation in different stages).

Assessment Scheme:

Second Semester [City Planning]	
Theoretical Part includes: <u>Mid-Term Exam: 20%</u> <u>Quiz-1: 5</u> <u>Quiz:2: 5</u>	30%
Practical Part includes: <u>Data Collection of the selected zones: 5%</u> <u>Data Analysis: 10%</u> <u>Strategies to develop housing sector: 10%</u> <u>Oral discussions: 5%</u>	30%
Final Exam	40%
Total	100%

Course Contents:

12Weeks: From the 1 st of February to 1st of May			
Week	Theoretical Part	Practical Part	Tasks for students
1 st Week	The Concept of housing (definitions and terms)	Introduction about the selected zones.	Starting site analysis, linked with boundary

			identification.
2nd Week	Housing Planning Process	Data Collection 1 st phase	Presenting of collecting data
3rd Week	Housing Planning in Kurdistan	Data Collection 2 nd phase	Presenting and discussing the data.
4th Week	Urban Housing Standards (PolSERVICE)	Data Collection 3 rd phase	Presenting and discussing the final results.
5th Week	Housing Planning Techniques/ Urban Density.	Final Data Collection	Oral Presentation as Groups
6th Week	Mathematical Analysis of housing	Mathematical analysis of data	Calculate urban density of the selected zones.
7th Week	Types and Classification of Residential Units	Data Analysis 2 nd phase	Daily work.
8th Week	Housing Planning: Part-1: The Site Selection of Residential Areas, Part-2: Requirements of the residential Buildings.	Pre-final submission that includes all the requirements of the data analysis.	Presenting and discussing the submission.
9th Week	Housing Problems & Programs.	Final data analysis	Oral Presentation as Groups
10th Week	Housing Policies & Economics.	Alternatives Strategies Level	2 Proposals to develop the selected zones
11th Week	Economic Analysis of Housing (Real Estates Market Analysis).	Strategies 2 nd phase	Daily work.
12th Week	Affordable Housing	Pre-final Submission of strategies	Presenting and discussing the submission.
13th Week	Theories of housing Planning	Final Strategies	Oral Presentation as

Course Program:

Practical Part: 2hrs.

All locations will be used to solve housing problems in the selected zones in Erbil City. The strategy describes how housing planning can contribute towards creating urban environments that meets the requirements of the community in terms of social, environment and economy. The outcomes represent the things that are important to our communities and help guide municipality decision making.

1. The design should follow Polservice and UN-Habitat standards.
2. Data collection should involve different sources such as interview, visual observations and official documents.
3. Mid-term plan will be applied (within 10years)
4. Comparison between existing condition and planning standards.
5. Strategies should meet the requirements of the community.

Course Reading List:

Main Reference

1. Shane Phillips. 2020. The Affordable City: Strategies for Putting Housing Within Reach (and Keeping it There).
2. Rory Hearne. 2020. Housing Shock: The Irish Housing Crisis and How to Solve It.
3. Wendell E. Pritchett, Vincent J. 2021. Reina, Susan M. Wachter Perspectives on Fair Housing.
4. Thomas H. Russ, "Site Planning and Design Handbook", IBT, McGraw-Hill, United State of America, 2002.

5. الهيتي، صبري فارس " جغرافية المدن " دار صفاء للنشر والتوزيع، الطبعة الاولى ، عمان ، ٢٠٠٢.
6. Polservice ,”Housing Technical Standards and Codes Of Practice For Iraq”. Warsaw- Poland 1982.
7. Robert Steuteville 2018, 25 Great Ideas of New Urbanism.

Final exam will be determined by the exam board.

Note: This syllabus may be subject to changes, i.e, we may take either longer or shorter time to finish a topic.