

Ministry of Higher Education and Scientific research



Department of ...ARCHITECTURE

College of ...ENGINEERING

University of ...SALAHADDIN

Subject: ...HOUSING AND CITY PLANNING

Course Book, 3rd YEAR)

Lecturer's name: Ausama Magid Omer

Academic Year: 2024

Course Book

1. Course name	Housing
2. Lecturer in charge	Ausama Magid Omer Siham Musheer Kareem Beri Mustafa Ghafour Arazu Askandar Hamad Lana Mohammed Hasan
3. Department/ College	ARCHITECTURE DEPARTMENT/ENGINEERING COLLEGE
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5. Time (in hours) per week	Theory: 2 Practical (Applied) : 2
6. Office hours	4
7. Course code	AE303
8. Teacher's academic profile	<u>Researches</u>
9. Keywords	Housing Process, Families and Housing, Housing Estates
<p>10. Course overview:</p> <ul style="list-style-type: none"> ▪ Study of all aspect related to the housing sector in border of economic, social and environment ▪ Basic training in the architectural design of urban housing: – the basic aspects of use – the dimensioning of architectural elements and space – space, light, construction and form – housing typologies and organizational principles – urban fabric, outdoor spaces and facades – planning and environment – housing design based on society-defined issues. ▪ The topic covers main housing definitions and terms of use describing housing provision, basic elements in residential 	

areas the expected standards, housing need, demand, deficit and production.

- The topic focuses on updating issues related to housing in the main border of sustainability, green building and smart technologies.
- Trends and attitudes of local city planning will be discussed through practical part that will be linked to the theoretical part as is the case with the planning and design of a residential community/
 - the theories and concepts the topic deals with are the relationships between Family-Residence -Neighbouring Environment, the whole package of family residence requirements, residential areas contents that serves the residents, in addition to a brief idea of the whole system of housing in any country.
- Mainly this subject dealing with housing issues defining the basic items of families, communities reaching whole residential complexes. It deals with household's residential needs, family structure, family income, changed housing requirements is focusing on the definition of through family life-cycle, the use of norms and standards in evaluating and producing the adequate housing.
- Study of government policy and strategies to control housing sector related to several issues (control of marketing, supply and demand, affordable housing, adequate housing, homelessness) with main compassion to right global policies and strategies according to standard

11. Course objective:

1. Collecting information and Knowledge about governorate centers and district housing sector analyzing main determinants and items, parts of the city
2. Analysis housing (socio-economic) according to Iraqi hosing standard manuals.

3. Linking the theoretical background with the practical cases to upgrade student skills.
4. Studying residence and the immediate environment that will make them able to set wise programs for residential developments up to 24000 inhabitants within urban areas as the topic covers human requirements and needs regarding their residence in urban areas.
5. Studying the family behaviour and response in approaching housing and the use of house.
6. Strengthening the contact with the real housing market and residence that will upgrade their capacities regarding planning housing and defining the link with the city scope.
7. Multi stage development of analysis, evaluation and design until final presentation of housing projects including budgeting and phasing as a realistic simulation with the outer environment.
8. Redesign the existing neighborhood in Kurdistan region in the form of housing shortage, facilities and open space according to global and local standard (practical part)

12. Student's obligation

- Students are required to do studio and homework according to the teaching program t. They are obligated to attend to the lecture as this lecture is all related to practicing global and local standard to study housing shortage within main requirements of standard block structure, hierarchy of street network, open space types and redesign a neighbourhood or sector and Sustainability skills as well as all trail tests and exams.
- Preparing report to study demographic factor regarding to urbanization, population, number and type of housing, household structure to determine housing and facilities shortage.
- Produce basic details and elements of neighbourhood planning (form and shape and problems as physical planning)

13. Forms of teaching

Different forms of teaching will be used to reach the objectives of the course:

- Language: English, official, improve ability to read, hear and write. Repeating in Kurdish by students.
- Power point presentations for all materials. Explanation, drawings.
- Practicing every week theoretical data theory earlier in one week, sketch, individual, different cases, in practical classes by analysing problems and finding solutions depending on standards and rules and transferring it to drawings by

manual drafting. Class activity will be designed to let the chance for practicing on several aspects of the course in the classroom.

- Students will be asked to prepare a study individually and by groups on selective theatrical and physical problems by performing measurements and analysing them to form results and conclusions with the help and supervision of the instructor.
- Reports have to be submitted by students concerning the general basic topics of the course contents.
- Quizzes will be hold during the academic semester without prior notice to keep you continually reviewing the subject.
- Many questionnaires are held to stimulate students reviewing their understanding certain topics of relation to the subject but out of its contents.
- Last week of semester the student has to submit a prelim and prefinal project that taken by home work of each neighbourhood redesign according to each group of student projects

To get the best of the course, it is suggested that you attend all the classes, review the required lectures and teacher's notes regularly, submitting the weekly class work drawings and homework reports on time, all of them are foundations for the course. Try as much as possible to participate in classroom discussions, preparing the assignments given in the course. (the final submission of project will submit after annual mark)

15. Student learning outcome:

Provides an introduction to economic-social and environment issues related to housing sector the housing sector. Develops skills that enable understanding the methods of design and planning a neighbourhood project (form, shape. pattern). Beginning with abstract exercises, introduces a new principal of sustainable. green and smart housing. Understanding the global and local standard, policies and strategies of housing sector

16. Course Reading List and References:

▪ key references:

- 1-Time Saver Standards for Housing and Residential Development
- 2- Urban Housing Strategies
- 3- General Housing Program for Iraq.
- 4-Housing, Family and Society
- 5- Urban Primer
- 6-Urban Design; The Architecture of Towns and Cities
- 7- The Urban Pattern

▪Useful references:

- 1-Site Planning Standards
- 2-Urban Design; The Architecture of Towns And Cities

3- Time Saver Standards for Urban Design ▪Magazines and review (internet):	
17. The Topics:	Lecturer's name
1- Introduction, course outline, how to practice building construction, building symbols.	1 week 4 hours
2- Review of housing main definitions, family socio economic status; changed requirement during family life cycle	2 Week Total 4 hours
3- House space norms; housing typology and house standards	3 Week Total 4 hours
4- Neighbourhood utilities and functions	4 Weeks Total 8 hours
5- Neighbourhood circulation and layout	5-6 Weeks Total 8 hours
6- Concept submission of project	7 week
7- Hierarchy of residential elements within the city	8 Week Total 4 hours
8- Affordable Housing	9 Week Total 4 hours
9- Mid -term exam	10 week
10- Prefinal submission of project	11 week
11- Housing Policy and Strategies	12 Week Total 4 hours
12- Final exam	13 week
13- Final submitting of project	14 week
18. Practical Topics (If there is any)	
1. Studying family and household housing characteristics	1 Week
2. Evaluation of local neighborhoods and housing projects.	2 Week
3. Developing programs for the planned neighborhoods with brief concepts for lay outs. 1. Residence	3 week
4. Developing programs for the planned neighborhoods with brief concepts for lay outs. 2. Public Services	4 week

Ministry of Higher Education and Scientific research

5. Developing programs for planned neighborhoods with brief concepts for lay outs. 3. Circulation systems & green areas	5 week
6. Household evaluation of housing conditions, adjustment and adaptation process	6 week
7. Assessment, adjustments to the \reports regarding all family housing requirements	7 week
8. Discussions about submitted materials	8 week