

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: Dr. Roza Sabir Marroof

M.Usama Majeed

M.chra Hunar ahmed

Academic Year: 2020-2021

Course Book

1. Course name	City Planning and Housing
2. Lecturer in charge	Dr.Roza Sabir Maroof
3. Department/ College	ARCHITECTURE DEPARTMENT/ENGINEERING COLLEGE
4. Contact	e-mail: mandibrahimaziz@gmail.com Tel: (0750 466 94 18)
5. Time (in hours) per week	
6. Office hours	4
7. Course code	AE303
8. Teacher's academic profile	<p><u>Researches</u></p> <p>Roza Saber Maarooof (2016), “Energy-efficient envelope design for high-rise apartments in Erbil city”, The 2nd International Conference on Environmental Science and Technology (ICOEST), September 28 - October 2, 2016, Belgrad- Saraivo.</p> <ul style="list-style-type: none"> • Roza Saber Maarooof& Dr,Bahar Başer, (2016), “Sustainable Design of Natural Cooling Systems based on Traditional Architecture of Iran”, world heritage and knowlege Conference, Smart Design, Planning and Technologies, 16-17-18 June 1916, Napoli-Capri. • Roza Sabir Maarooof &Prof. Dr. Nur Esin, (2018), “The Impact of Service Quality on Customer Satisfaction in the Luxury Hotel: Three Hotels in Cappadocia-Turkey”, International Journal of Agriculture, Environment and Bioresearch, Vol. 3, No. 04; 2018. ISSN: 2456-8643.

9. Keywords	Urban planning, urban form, urban pattern, road design
<p>10. Course Objectives:</p> <p>The students are able to understand the following points:</p> <p>First Semester</p> <ol style="list-style-type: none"> 1- History of Cities and city planning. 2- The city formation patterns. 3- The theories of internal composition of the city. 4- City planning process Methodology. 5- Rational Decision Making. 6- The land use planning. 7- Zoning in city planning. 8- The land use patterns. <p>Second Semester</p> <ol style="list-style-type: none"> 1- History of housing. 2- Housing Definition. & Benefits of housing planning. 3- The site selection of Residential area. 4- Planning and Design of the Residential area. 5- Requirements of Residential Buildings. 6- Housing Analysis. 7- The Housing Programs. 8- The Housing policies. 9- The Housing Economics. 10- The Concept of Neighbourhood. 11- Radburn Garden Community. 12- Road system& Transportation planning 13- Parking. 	
<p>11. Forms of Teaching</p> <p>Different forms of teaching will be used to reach the objectives of the course: power point presentations for the head titles and definitions and summary of conclusions, classification of materials and any other illustrations, besides worksheet will be designed to let the chance for practicing on several aspects of the course in the classroom, furthermore students will be asked to prepare research papers on selective topics and summarise articles contents published in English into either Kurdish or Arabic language, those articles need to be from printed media or internet articles. There will be classroom discussions and the lecture will give enough background to translate, solve, analyze, and evaluate problems sets, and different issues discussed throughout the course.</p>	

12. Forms of Teaching:

- The staff will use data show to explain the lectures and different Architectural projects.
- They draw on the whiteboard.
- They give a hard copy for the lectures in order to be easy for the students to read and study.
- They give a criticism on the design project either generally or individually .

13. Grading

First Course: 30%

*Theoretical Part = 10 marks

*Practical Part = 15 marks

*Classroom activities; and research paper = 5 marks

Second Course: 30%

*Theoretical Part = 10 marks

*Practical Part = 15 marks

*Classroom activities; and research paper = 5 marks

Final Exam. = 40%

Course programme

FIRST SEMESTER : CITY PLANNING

2 hours for Theoretical Study /week

2 hours for Practical Study / week

WEEK NO.	THEORETICAL STUDY	PRACTICAL STUDY
1 st week	History of Cities and city planning: 1- Nile Vale Civilization. 2- Mesopotamian Civilization.	Planning study in Erbil City. Identifying the issues and stating the goals.
2 nd week	1-Greece Civilization. 2- Rome & Roman Empire.	Data collection include: 1-Population & Housing. 2-Health & Education. 3- Parks & Recreation. 4- Road System. 5- Other Land use.

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3 rd week	1- The Medieval Town. 2- Industrial City.	Discussing the data collection for every zone which adopted.
4 th week	The Modern Cities: 1- Visionary or Utopian City. 2- Institutionalized City planning. 3- Garden City(Ebenezer Howard)	Discussing the data collection .
5 th week	The City Formation Patterns: Gridiron Plan./Radial city plan./Linear city plan./ Organic plan.	Final Data collection
6 th week	The Theories Of Internal Composition Of the City. 1- Centralized Circle Theory. 2- Sector Model.	Data Analysis include: population forecasting, and future housing needs. (Social infrastructure Analysis).
7 th week	EXAM	Prelim /Data Analysis
8 th week	3- Multiple Nuclei Model. 4- Central Place Theory. (Christaller's Central Place Theory- CPT).	Data Analysis
9 th week	City Planning Process Methodology: 1- The Level Of Planning.	Prefinal / Data Analysis

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10 th week	2- Comprehensive Planning. 3- Comprehensive Planning Process.	Data Analysis
11 th week	Rational Decision Making: 1- Goal Achievement Matrix (GAM). 2- Cost & Benefits Analysis (CBA).	Final / Data Analysis
12 th week	The Land Use Planning (LUP) 1- What is land use planning. 2- The land use Consideration. 3- Factors affecting the change in land use Within cities.	Put the Strategy
13 th week	Zoning in city planning	Discussing the strategy
14 th week	The land use Patterns	Pre final/ the strategy
15 th week	The reports discussion	Final Strategy

Second semester city planning

1 st week	City planning in general
2 nd week	What is Physical Planning Urban Land Use Planning. Urban Zoning. Urban Master Plan Urban Sprawl Links Between Planning in Different Levels
3 rd week	City planning
4 th week	Urban Pattern & Form
5 th week	Road design

6th week	City planning theories
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