

Ministry of Higher Education and Scientific research



Department of Architecture

College of Engineering

University of Salahaddin-Erbil

Subject: City Planning

Course Book –Year 3

Lecturer's name ^{MSc,} Hadeel Alsabbagh

Academic Year: 2023/2024

Course Book

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| 1. Course name | City Planning |
| 2. Lecturer in charge | Hadeel Alsabbagh |
| 3. Department/ College | Architectural Department/ College of Engineering |
| 4. Contact | e-mail: hadeel.eshaq@su.edu.krd Tel: (optional) |
| 5. Time (in hours) per week | Theory: 1 Practical: 3 |
| 6. Office hours | 9:00am – 2:30pm (Sunday- Thursday) |
| 7. Course code | |
| 8. Teacher's academic profile | Hadeel Alsabbagh hold a bachelor's degree in architecture, graduated from the College of Engineering-Architectural Department / University of Mosul in 2001, and completed his master's studies at the University of Baghdad to obtain a master's degree in urban and regional planning in 2005. He has been working at Salahaddin University/Architectural Department since 2006. Area of Interest: Spatial analysis using space syntax theory, urban mobility system, and social behavior studies in the built environment. |
| 9. Keywords | City planning, Spatial analysis, Urban mobility system |
| 10. Course overview: | <p>Cities rely on urban planning to remain functional, grow in population, and attract businesses. Every crucial aspect of an urban environment is under the effect of how its layout is planned. This includes key infrastructure, transportation, and city area layout and density. The main reasons why urban planning should be studied are: Planned City Growth, Improved Health and Quality of Life, Less Environmental Impact, Better Economy and Resource Utilisation, National Development, and finally Disaster Prevention and Greater Credibility.</p> <p>The basic concepts behind the course are:</p> <ul style="list-style-type: none"> - Team work and leadership of planning group. - Comprehensive planning process. - focus on sustainability in terms of (Environment, social and economy) |
| 11. Course objective: | <p><u>The basic objectives of this course are:</u></p> <ol style="list-style-type: none"> 1- The Concept of city planning & Levels of Planning. 2- Theories of internal composition of the city. 3- Sustainable Planning. 4- Rational Decision Making. 5- Smart Growth Theory. 6- Theory of Transportation planning. 7- Sustainable mobility system in the city. |

8- The value of Sustainable urbanization.

9- GIS and Urban Planning.

12. Student's obligation

All students are required to arrive at 9:00 AM o'clock. Allow the delay to be only ten minutes.

-Do not use the mobile phone during the lecture.

-Students are not allowed to leave the classroom under any circumstances unless necessary and with permission from the teaching staff.

-It is not permissible to chew gum or food in the class and during lectures, and students may eat during breaks.

-When the lesson ends, all students must remain in their seats until the teaching staff leaves.

-It is not permissible to speak loudly during the lecture because it causes confusion to the lecturer and students in general.

-Students are required to present all assignments and submissions informed by the teaching staff.

13. 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).

14. Assessment scheme

***Theoretical Part includes:20%**

-Mid-Term Exam: 15%

-Quiz: 5

***Practical Part includes:30%**

-Space Program: 4%

-Similar Example:3%

-Preliminary presentation: 5%

-Pre-final presentation: 8%

-Final presentation: 10%

***Annual Grade: 50%**

***Final Exam 50%**

****Total 100%**

15. Student learning outcome:

At the end of this course, the students will be able to:

1. Identify and recognize a theoretical background about city planning and standards.

2. Create the project space program in term of required facilities and its areas.
3. Analyzing the selected site plans (for implementing their project) in term of topography, environmental aspects and the accessibility to be integrated in the design process as well as applying the required site corrections.
4. Inspire their initial design concept from the updated –implemented similar projects and the theoretical background from the theoretical lectures.
5. Designing the movement axes and movement net-work for both pedestrians and vehicles.
6. Allocating and designing the required land use in term of residential, educational, recreational and health-care facilities of the residential neighborhood.
7. Determining and allocating the required open urban spaces depending on recognized standards and codes to create and achieve both functional and aesthetic values in the final design.

16. Course Reading List and References:

1. DAN CRUICKSHANK," **A History of Architecture**", Architectural press is an imprint of Elsevier Linacre house, Jordan Hill, Oxford OX28DP. UK.2000.
2. ELEANOR SMITH MORRIS, **British Town Planning and Urban Design**", Addison Wesley Longman, England 1997.
3. GALLION EISNER ,"**The urban Pattern** ",6th Edition, United State of America,1993.
4. Thomas H.Russ," Site Planning and Design Handbook", IBT, McGraw-Hill , United State of America,2002.
- 5- الهيئي, صبري فارس " جغرافية المدن " دار صفاء للنشر والتوزيع, الطبعة الاولى , عمان , 2002.
6. Alexander R.Cuthbert , "The Form Of Cities ", Blackwell publishing Ltd.UK.2006.
7. Polservice , "Housing Technical Standards and Codes Of Practice For Iraq". Warsaw- Poland 1982.
8. Robert Steuteville 2018, 25 Great Ideas of New Urbanism.

Final exam will be determined by the exam board.

| 17. The Topics: | Lecturer's name |
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| The Concept of City Planning. Levels of Planning. Theories of internal composition of the city (Burgess model, Hoyt model, Harris and Ullman Model) Sustainable Planning (part I) Sustainable Planning (part II) Rational Decision-Making Part 1. Goals Achievement Matrix: GAM). Part 2. Cost & Benefits Analysis Urban Planning Technics: SWOT analysis. Smart Growth Theory. Theory of Transportation planning. Traffic Stream Characteristics. -Microscopic Parameters -Macroscopic Parameters | City Planning Staff |

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|---|----------------------------|
| <p>Sustainable mobility system in the city (Strategies) Part 1. The value of Sustainable urbanization. Part 2. The value of Sustainable urbanization. GIS and Urban Planning.</p> | |
| <p>18. Practical Topics (If there is any)</p> | |
| <p>-Introduction about site analysis. -Similar examples analysis. -Mathematical analysis of urban density of the selected zones. -Mathematical analysis of urban density of the selected zones -Discussing the alternative proposals which includes social - infrastructure analysis. -Preliminary submission. -Design development through criticism. -Design development through criticism. -Pre-final submission that includes all the requirements of urban net-work analysis, open spaces analysis and mass analysis. -Design development through criticism. -Design development through criticism. -Design development through criticism. -Design development through criticism. -Final Submission.</p> | <p>City Planning Staff</p> |
| <p>19. Examinations: *Theoretical exam involves a wide range of questions such as: 1. Compositional: In this type of exam the questions usually starts with Explain how, What are the reasons for...?, Why...?, How....? 2. True or false type of exams: In this type of exam a short sentence about a specific subject will be provided, and then students will comment on the trueness or falseness of this particular sentence. Examples should be provided 3. Multiple choices: In this type of exam there will be a number of phrases next or below a statement, students will match the correct phrase. Examples should be provided.</p> | |
| <p>20. Extra notes: According to the planning standards (UN-Habitat, Iraqi standards), all locations will be used to solve planning problems in the selected zones in Erbil City. The strategy describes how urban planning can contribute towards creating urban environments that entice people to want to live, work, play, visit and invest here. It includes a range of actions designed to achieve the design aspirations for its urban places. Urban planning projects should meet community needs. The outcomes represent the things that are important to our communities and help guide municipality decision making.</p> <ol style="list-style-type: none"> 1. The design should follow Polservice and UN-Habitat standards. 2. The design should apply the principles of sustainability in terms of Environment, Social, and Economy. | |

3. The design should meet the requirements of the selected zones.
4. Mathematical analysis of urban planning should be applied in the study.
5. Mid-term plan should be applied within (10years).

21. Peer review