وەزارەتی خوێندنی باڵا و توێژینەوەی زانستی

Department of Architecture

College of Engineering

University of Salahaddin

Subject: Architectural Design IV

Course Book –Year 2

Lecturer's name Msc, Hadeel Alsabbagh

Academic Year: 2023-2024

Course Book

1. Course name	Architectural Design IV (Primary School)
2. Lecturer in charge	Hadeel Alsabbagh
3. Department/ College	Architecture/ college of engineering
4. Contact	e-mail: hadeel.eshaq@su.edu.krd Tel: (optional)
5. Time (in hours) per week	Theory: 2 hours Practical: 8 hours
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:
In this course, students will design a primary school according to the following criteria:
1. Identify and recognize a theoretical background about architectural schools.
2. Create the project space program in term of required facilities and its areas.
3. Analyzing the selected site plan.
4. Inspire the architectural concept from different levels.
5. Social, economic and environmental factors in design.

11. Course objective:
The basic objectives of this course are:
1.   Identify and recognize a theoretical background about architectural schools.
2.   Create the project space program in term of required facilities and its areas.
3.   Analyzing the selected site plan.
4.   Inspire the architectural concept from different levels.
5. Introducing students to the basic considerations that must be taken into account, such as (social, environmental, and economic factors).

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

1. Define project components, Relationships (Matrix & Bubble diagram), Space Program and analysis, Similar Example, Site Analysis, Day Sketch: **25%**
2. Preliminary Submission: **20%**
3. Pre-final Submission: **25%**
4. Final Submission: **30%**

Total: 100%

15. Student learning outcome:

By the end of the course (Spring Semester), the students will be able to understand the following topics:

1- The basic components of Primary school. (indoor & outdoor)

2- The area of the different spaces in the school.

3- The nature of the relationship between the different spaces in the school.

4- The essential furniture for each space in the school.

5- To understand how users can influence the design.

6- To understand how location affect the design.

7- The necessary facilities in the school.

8- To understand how a smart building can be created.

9- To learn how to create architectural concepts according to architectural schools.

10. Understand the basic principles used by famous architects.

16. Course Reading List and References:

-De Chiara Joseph; Callender, John 1987. Time Saver Standards for Building Types. 2nd edition. McRAW-Hall International Editions.

- "Architects' Data (3rd Edition)" Ernst Neufert, Peter Neufert , Nicholas Walliman , 2002. - Chiles, Prue. Building Schools: Key issues for contemporary Design.	
17. The Topics:	**Lecturer's name**
*Theoretical Part -Coursebook and terms definitions. -Define project components. -Project Components -Explaining the relationships between different spaces -Study the furniture used for each space -How can the user influence the design? (children) -Site Plan Analysis (SPA) -Similar Example Analysis -Starting the concept & design strategies -Architectural schools *Introducing the world's leading architects-Part I. - Richard Meier - Le Corbusier - Kisho Kurokawa *Introducing the world's leading architects-Part II. - Peter Eisenman - Zaha Hadid - Frank Gehry *Introducing the world's leading architects-Part III. - Frank Lloyd Wright - Norman Foster - Bernard Tschumi *Introducing the world's leading architects-Part IV. - Richard Rogers - Rem Koolhaas - Renzo Piano - Philip Johnson -Study the technical level of the building. -How can a smart building be created? **Practical Part** -Introduction to the architectural design process and group formations. -The area of the different spaces. -Discussing students' work. -Zoning, Matrix & Bubble diagram -Presenting furniture standards and required spaces. -The design caters a range of ages (6-12years) -Identify the site's potential and limitations and how they may affect the design.	Design Staff

-Discussing students' work. -Apply design strategies -School design summary with different style -Define the principles for each architect and how can apply in the design. -Define the principles for each architect and how can apply in the design. -Define the principles for each architect and how can apply in the design. -Define the principles for each architect and how can apply in the design.	

19. Examinations:

- This syllabus may be subject to changes, i.e, we may take either longer or shorter time to finish a topic.
- Final submission will be determined by the examination committee.