



Department of Architecture
College of Engineering
University of Salahaddin

Subject: ARCHITECTURE DESIGN
Course Book – (Year 3)
Lecturer's name:

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Academic Year: 2022/2023

Course Book

1. Course name	ARCHITECTURE DESIGN III
2. Lecturer in charge	Suzan Tahir Ismail
3. Department/ College	Architecture / Engineering
4. Contact	e-mail: suzan.ismail@su.edu.krd
5. Time (in hours) per week	- Lecture duration: 10 hours/week
6. Office hours	Wednesday 9:00 AM - 2:30 PM
7. Course code	Architectural Design 5 – 4120 Architecture Design 6 –4126
8. Teacher's academic profile	
9. Keywords	Design Concept, Architecture Form, Function, Sport Center, Mixed-use Project.
10. Course overview: In this course the student approaching the first step towards designing projects that contain complex space programs, such as sport complex and mixed use project including shopping and residential functions. This course teaches how to deal with the two main sides of architecture design which is function and form, considering them as two related aspects of design and how they effect on each other. Using the appropriate structure system, building and finishing materials, services are also important objectives as well.	
11. Course objectives: The students learn how to analyse the selected site for the project according to the surrounding, traffic and environment aspects. In addition, they will learn how to use the architecture standards in design, in addition to the use of sketches as a tool for describing ideas and concepts. The process of criticizing (review) the projects opens a new horizon for the students to discuss and get benefit from the advices of the teaching staff, towards better understanding of the	

practical design process.

12. Student's obligation

Students should attend all classes in studios (theoretical and Practical).

In practical sessions, usually there is class work every day; therefore students should submit these works.

Each student gets individual critic (reviews) on the design, they should be present at designated date and time; they should do enough work so that they get the critic.

Students should follow the submission deadline's time & date.

13. Forms of teaching

Different forms of teaching will be used to reach the objectives of the course: power point presentations for the main related subjects and definitions and summary of conclusions, classification of materials with any other illustrations, furthermore students will be asked to prepare reports papers on selected topics in group or individually. There will be studio discussions lectures that give enough background to solve, analyse, and evaluate problems sets, and different issues discussed throughout the course. In addition to scientific trips to sites or similar projects then reaching the final solution for the project individually.

Constructive classroom participation, submitting assignments, and attending class will be evaluated by the teaching staff over the semester and used in borderline cases to determine the final grade.

14. Assessment scheme

➤ First Semester Project :

First: (70%) of the mark is based on the academic semester effort which includes:

- | | |
|-----------------------------------------------------|------|
| - Daily works, sketches | 15 % |
| -Research for similar examples
and site analysis | 6% |
| - Concept Submission | 10% |
| - Prelim Submission | 16 % |

- Pre-final Submission 23 %

Second: (30%) of the mark is based on final examination which is the final submission of the project been worked on during the academic semester.

➤ **Second Semester Project :**

First: (70%) of the mark is based on the academic semester effort which includes:

- Daily works, sketches 15 %

-Research for similar examples
and site analysis 6%

- Concept Submission 10%

- Prelim Submission 16 %

- Pre-final Submission 23 %

Second: (30%) of the mark is based on final examination which is the final submission of the project been worked on during the academic semester

15. Student learning outcome:

Students will understand more about large projects with complicated functions through number of spaces, structural systems, services and forms of the given project, in addition to more understanding to climate aspects to keep the design within sustainability factors, or concepts.

16. Course Reading List and References:

- Time saver standards for building types.
- Time saver standards for architecture design data.
- Neufert.

- Any related books and references, as an aid to help in project design.
- Reliable web sites.

17. The Topics:**First Course****(Sport Centre Complex in Erbil)**

<i>NO</i>	<i>Week of Prog.</i>	<i>Topic</i>	<i>Lectures</i>
1	Week (1)	Introduction to the Project	Large project characteristic
2	Week (2)	Site analysis Similar projects	Site visit & similar project
3	Week (3)	Similar projects Submission of project study and site analysis	- Integration between Common Users, Players, Referees & Audience circulations
4	Week (4)	Concept sketches Criticizing process	Design methodology concept
5	Week (5)	Concept sketches Criticizing process	-Studio assignment
6	Week (6)	Criticizing process Concept submission	-Studio assignment -Presentation

7	Week (7)	Zoning plan Criticizing process	Climate design issues
8	Week (8)	Criticizing process Prelim submission	-Studio assignment
9	Week (9)	Criticizing process	-Presentation
10	Week (10)	Criticizing process	-Presentation
11	Week (11)	Pre-final submission Criticizing process	-Studio assignment -Presentation
12	Week (12)	Criticizing process	-Studio assignment
13	Week (13)	Criticizing process	Structural grid & spatial grid
14	Week (14)	final submission	-Presentation

Second Course

(Mixed use, high-rise residential with commercial complex in Erbil)

<i>NO</i>	<i>Week of Prog.</i>	<i>Topic</i>	<i>Lectures</i>
1	Week (1)	Introduction to the Project What is mixed-use?	-High rise building - Site visit & similar project
2	Week (2)	Site Analysis Similar projects	-Residential types of standards -Integration between residential & commercial

		Space Program	functions
3	Week (3)	Similar projects Submission of project study and site analysis	-Presentation
4	Week (4)	Concept sketches Criticizing process	-Shopping centres Types & characterises
5	Week (5)	Concept sketches Criticizing process	-Presentation -Studio assignment
6	Week (6)	Criticizing process Concept submission	Studio assignment -Presentation
7	Week (7)	Zoning plan Criticizing process	Climate design issues
8	Week (8)	Criticizing process Prelim submission	-Studio assignment -Presentation
9	Week (9)	Criticizing process	Structural grid & spatial grid
10	Week (10)	Criticizing process	-Studio assignment
11	Week (11)	Pre-final submission Criticizing process	-Studio assignment -Presentation
12	Week (12)	Criticizing process	Structural grid & spatial grid
13	Week (13)	Criticizing process	-Studio assignment

	14	Week (14)	final submission	-Presentation	
19. Extra notes:					
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The dates of submissions may be changed due to changes in exam dates and holidays					