



Department of Architecture

College of Engineering

Salahaddin University – Hawler

Subject: Architecture Design 8

Course Book –Year 4

Lecturer's name:

Dr. Muhanad Rasam (Lecturer, PhD)

Dr. Mand Ibrahim Aziz (Lecturer, PhD)

Hadeel Eshaq (Lecturer, M.Sc.)

Nazik Jamal (Lecturer, M.Sc.)

Usama Majid (Assistant Lecturer, M.Sc.)

Shna Asad (Assistant Lecturer, M.Sc.)

Nashmil Shwan (Assistant Lecturer, M.Sc.)

Maysa Ghazi (Assistant Lecturer, M.Sc.)

2nd Semester

Academic Year: 2021 -2022

Course Book

1. Course name	Architecture Design 2
2. Lecturer in charge	Dr.MuhanadRasam, (Lecturer, PhD)
3. Department/ College	Architecture/ Engineering
4. Contact	E-mail:mohanad.rassam@su.edu.krd Tel:07504453934
5. Time (hr. / week)	[(Theory: 3 hr) – (Practical: 7 hr)]/week
6. Office hours	
<p>7. Course overview: This subject is part of architectural design as sequent of comprehensive architectural design teaching through five-year study of architecture. The importance of this subject, which is based on the studio format, is that a comprehensive problem is given to students who first analyse it and then, through a synthetic process, reach a design scheme. Parallel to studio work, theory through lectures help to deliver information and knowledge concerning design standards, criteria and design methods, case studies exemplifies the studies of existing completed buildings, delivering information either on the building, or on the design process itself, or on how a designer faced and solved specific problems.</p> <p>Health building like (special or general hospitals, clinics or rehab centres) which concentrate on providing health environment, psychological spaces, compact and economy concepts using new building technology by adopting special technical studies that would help in realizing the semester objectives.</p>	
<p>8. Course Objective:</p> <ol style="list-style-type: none"> 1. Collecting information and Knowledge about health buildings through theory and case studies. 2. Identifying the principle data in theory and practice through studying similar works and updated case studies. 3. Learning how to analyze the existing data for a specific site integrated with the proposed requirements and concept. 4. How to specify the problems from general information and to adopt the design method for the required functions and real feasible project. 5. Prepare a project program and space allotment. 6. Build a design concept on the understanding of other new updated concepts in the discipline; this should match the students' site. 7. The students work should include deep understanding of the subject in combination with others practices and viewpoint with student specialty in the final product. 8. Multi stage development of design until final presentation. 	

9. Student's Obligation

- Regular attendance is required according to the university rules.
- The use of mobile phone during the class is prohibited.
- Only the students who are officially enrolled can attend the class, guests and children are not admitted.
- Daily participation and conducting assignments are required.

10. 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 using:

PowerPoint presentation for theoretical part

White Board

Group discussion

Individual Feedback

Studio work

Homework

Using AutoCAD and 3D Program to rendering and presentation

Projects Hand in (Daily and Presentation in different stages)

11. Assessment Scheme

[Hospital Project]

- | | |
|---|-----|
| • Similar example, Site analysis, Report, Daily work,
Day sketch and Concept | 25% |
| • Prelim | 20% |
| • Pre-Final | 25% |
| • Final | 30% |

12. Course Reading List:

Main Reference

1. Malkin, Midical and central space planning, 2002.
2. Joseph De Chiara: time-saver standards for building types; McGRAW-Hill Book Company
3. Ston, British hospital and health care

4. Weeler, Hospital design and function, 1964.

Useful references

5. Neufert ,Architects data,1980
6. Architectural record book, Hospital s clinics and health centers, 1960.
7. Redstone, Hospitals and health care facilities, 1978.

Magazines - enter net

1. www.greatbuilding.com
2. www.arcspace.com
3. www.m7mar.com

15Weeks: From the 1st of February to 15th of May

1st Week	Historical review of hospitals, classification of health buildings	Site analysis , factors determining site capacity, environmental factors	Starting site analysis ,linked with boundary identification
2nd Week	Introduction and functional flow charts	Alternatives design concepts to be submitted for approval	Literature review of min. 5 hospitals with full analysis
3rd Week	Surgical Suite	Floor plan design	Alternatives design concepts to be submitted for approval
4th Week	Wards	Floor plan design	General clinic description, design work
5th Week	Intensive Care Units	Floor plan design matching form & structure (architectural design strategy)	Visit to main hospital, report preparation
6th Week	Maternity ,Paediatric Departments	Primary plans presentation	Details of hospital visit , discussion, conclusion
7th Week	Nursing Units	Design development (case study- floor plan)	Design work
8thWeek	Diagnostic X-Ray Suite	Design development (case study- floor plan)	Design work

9th Week	Pharmacy	Design development (case study- façade design)	Design work
10th Week	Physical Therapy Department	Design development (case study- façade design)	Design work
11th Week	Laboratory	Design development (case study- 3D)	Design work
12th Week	Outpatient activity	Pre-final design presentation	Design work
13th Week	Emergency activity	Design development (3D)	Design work
14th Week	Center Sterilize Unit	Design development (3D)	Design work
15th Week	Administration and technical services	Final presentation and evaluation	