



Department of Architecture
College of Engineering
University of Cihan- Sulaimaniya

Subject: Architectural Design VII

Course Book – Year: Fourth stage (2021-2022)

Lecturer's name: M.Arch. Sarko Hassan Sleman

Academic Year: 2022/2023

Course Book

1. Course name	Architectural Design, VII
2. Lecturer in charge	Lecturer: M.Arch. Sarko Hassan Sleman,
3. Department/ College	Architectural Engineering
4. Time (in hours) per week	Saturday: 09:00 AM – 02:00 PM (Theory- practical) Tuesday: 11:00 AM – 04:00 PM (practical)
5. Office hours	Sunday: 12:30- 02:00 PM Monday: 09:00-02:00 AM
6. Course code	
7. Teacher's academic profile	Assistant Lecturer, BSc. Architectural Engineering – Cihan University- Erbil. M. Arch. Design & Architecture –Cyprus International University.
8. Keywords	Health facilities, general hospital, emergency dep., delivery dep., in-patient dep., out-patient deps., hospital wards, operation dep., and hospital forms.
9. Course overview:	Focus on the functional and structural parts of the architectural design process, through learning the students about sections and academic studies of the general hospital project. In addition to the criteria used in determining the functional program for the project spaces, and formation idea to students on the concepts and patterns of construction used in such projects.
10. Course objective:	<ul style="list-style-type: none"> - Create an idea about the preparation of the functional program for any architectural project and especially in hospital project. - Developing students design ability to solve the structural and functional problems of architectural plans. - Improving the student's ability to prepare architectural and structural plans for these projects and also, preparing the student to work on large architectural projects with a large scale.
11. Student's obligation	<ul style="list-style-type: none"> - Students are obliged to prepare studies on the Project functional program according to the project parts with project bubble diagram, adjacency relations and functional diagram. - Also, students are required to prepare detailed plans for the project's function program in the form of 2d plans, Sections, Elevation Site plan with a 3d high quality photos which created by one of the 3d software programs to clarify the details of the external parts of the project.
12. Forms of teaching	Each week we have two lectures which includes:

- a. **2- hours theory** (showing students all detail information about the projects parts through design process with **4- hours Practical**, are implement all theory information on the projects department practically).
- b. **1-hour theory with 3- hours** evaluation for their submissions.

13. Assessment scheme

The assessment will be through different stages and will be in the form of ratios in grades, and according to the requirements of submission, which are through the following stages:

- Preparing report about the project (group work).
- First to third prelim submission according to project requirements'
- Final Prelim
- Pre-final submission
- Final submission

Note: There will be a day Sketch for another Design requirements through Design Process.

14. Student learning outcome:

- Improve student's skills to put functional program for any project, especially for 5th stage projects.
- Develop student's ability to design projects with large scale.
- Improve student's ability to solve any project Structure plan.

15. Course Reading List and References:

- Time sever for architectural design standard – Donald Watson –Michael Crosbie.
- Neufert Architecture Data.
- FOUNDATIONS OF HOSPITAL DESIGN – By Henry T.winklman - Houston, Texas May 1972.
- HBN " health building notes" General design guidance for healthcare buildings 2013,2014.
- Sleman, H. S., (2014). Surgical hospital in Erbil city- North of Iraq. Bachelor degree. Erbil Cihan university.
- Sleman, H. S., (2017). Flexibility in design of radiology department in general hospitals; Case study of general hospitals in North of Iraq. Master thesis, CIU.

16. The Topics:

Lecture No	Topic
Week -1	Introduction to the course & projects for this year- Introduction to the Hospital Design project.
Week -2	Data collection and project site studies (group work)
Week -3	Final data collection and project studies (site visit)
Week -4	Concept, zoning & functional program
Week -5	Plans: Site plan, Structural Plan, Basement plan
Week -6	Plans: Structural plan, Ground floor plan (Outpatient departments)
Week -7	Ground floor plan (Outpatient departments, Emergency department, Delivery department)
Week -8	Prelim submission – general critics
Week -9	First floor plan (Operation department, ICU, CCU)
Week -10	First floor plan (Administration & Education departments)
Week -11	2 nd , 3 rd , 4 th ,... floor plan (Wards , Services)
Week -12	Sections, Elevations & 3-d images & animations. Outdoor spaces & Landscape design
Week -13	Prefinal submission- Critics
Week -14	General critics
Final submission	

17. Peer review**Main Lecturer in charged**

Sarko Hassan Sleman

Head of The Department