



Department of Architecture

College of Engineering

University of Salahaddin

Subject: Working Drawing

Course Book – (Year 3)

Lecturer's name: L.Vian, L. Suhaib, L. Sidra, L. Faten, and Manar

Academic Year: 2020/2021 Spring Semester

Course Book

1. Course name	Working Drawing
2. Lecturer in charge	Assis. L. Vian Sabr Assis. L. Suhaib Jalalaldin Assis. L. Sidra Salah Assis. L. Faten Radhwan
3. Department/ College	Architectural Dept. / Engineering College
4. Contact	e-mail: suhaib.abdallah@su.edu.krd vian_sabr@yahoo.com sidra.abubaker@su.edu.krd fatin.yaseen@su.edu.krd Tel: (optional) 0750 4763267 - 0750 4759720
5. Time (in hours) per week	Theory: 1 Practical: 3
6. Office hours	Tuesday: 9:00-1:30 and Tuesday: 1:30-5:30
7. Course code	
8. Teacher's academic profile	
9. Keywords	Steel structure, Building details
10. Course overview:	<p>This course focuses on drawing sheets for the type of steel structural building. The students would be able to illustrate their design in the best way as they would have all the details which are necessary in representing their design drawings which would be used during executing the projects.</p> <p>The lectures concentrate on the details for each part in the building in order to strength the students' imagination as they would be able to design in a more appropriate way.</p>
11. Course objective:	<p>Design is the basic requirement in architectural department, thus, students should learn how to design various types of buildings. On the other hand they should be qualified in order to illustrate their design through drawing sheets which would be used in the site for executing the project.</p>

The students would be able to supervise over the steel project as they should learn how to connect between various fields like mechanical, electrical, sanitary drawings and etc. They would also learn how to design the projects which could be executed in the site not just which is present in their imagination as an impossible thing to be realized.

12. Student's obligation

Students should be present in the lectures as far as possible; otherwise they would be failed in the course if their attendance doesn't exceed the ratios which have been put for them in the regulations.

The students should apply all the theoretical lectures in their projects which are given to them. Thus, they should draw the requirements after each lecture as homework and sometimes they would draw in the studio which would be considered as a quiz or studio work.

13. Forms of teaching

- 1- Power point presentations.
- 2- White board drawings and analysis.
- 3- Classroom discussions with lecturer and students themselves.
- 4- Individual sketches and corrections.
- 5- Visiting some similar projects in the region.
- 6- Monthly classroom examinations.

14. Assessment scheme:

The students trial minor grades which is on 100% would be distributed as the followings:

1- Total Minor Grades	- 80%
▪ Midterm Exam.	- 15 %
▪ Weekly Presentation	- 20 %
▪ First Presentation	- 15 %
▪ Final Submission	- 30 %
2- Final Examination Grade	- 20%

15. Student learning outcome:

- The students would understand the requirements of site drawings.
- They would have comprehensive abilities to analyze and make strategy for modular system and dimensions.
- They will have better imagination about the building structure and details.
- The students would understand MEP systems requirements for a building.
- They shall have comprehensive abilities to make final working drawing sheets.
- The have better imaginations about the steel structure building.

16. Course Reading List and References:

- TIME SAVER STANDARD FOR BUILDING CONSTRUCTION.
- ARCHITECTURAL WORKING DRAWINGS.
- GRAPHIC STANDARD.
- CONSTRUCTION TECHNOLOGY BOOK.

17. Extra notes:

This course has practical examinations only, there is not any question which is theoretical at all as students should apply all the knowledge on the drawings in the examinations.

18. Peer review**19. COURSE CONTENT**

WEEK	HOUR	DATE	TOPIC
1	4	9/2/2021	Introduction
2	4	16/2/2021	Foundation Plan 1- Ground Floor Plan 1:50 2- Detail Of Foundations 3- Table Of Materials (Qualities + Quantities)
3	4	23/2/2021	Dimensions Plan 1- Two Plans: (Full Dimensions + Levels + Room Numbering+ Axes+ Fixed Furniture +Area + Text) 2- Table of Rooms Numbering & Areas 1:50
4	4	2/3/2021	Students Project Analysis And Discussions
5	4	9/3/2021	Electrical Plans
6	4	16/3/2021	Plumbing Studies + Air Conditioning Drawings
7	4	23/3/2021	Nawroz Holiday
8	4	30/3/2021	Students Project Analysis And Discussions
9	4	6/4/2021	Sandwich panel : Roof plan 1:50
10	4	13/4/2021	Elevations (Four) 1:50 1- Part Of Elevation With Scale 1:25
11	4	20/4/2021	Mid-term exam
12	4	27/4/2021	Openings Plan (Three) 1:50 1- Table Of Doors 2- Table Of Windows 3- Details (All Type Of Openings)
13	4	4/5/2021	Finishing Plans (Three) 1:50 1- Table of Finishing 2- Details of All Space Finishing
14		11/5/2021	Ramadan Eid- Holiday
15		18/5/2021	Sections (Two Minimum) 1:50
16		25/5/2021	Final Submission