



**Department of Architecture**

**College of Engineering**

**University of Salahaddin**

**Subject: Working Drawing**

**Course Book – *For example* (Year 3)**

**Lecturer's name: MSc. Vian, Dr. Roza, MSc.**

**Sakar Yusif, M.Arch Sidra, MSc. Faten Rezwan,  
and Manar**

**Academic Year: 2020/2021**

## Course Book

<b>1. Course name</b>	<b>Working Drawing</b>
<b>2. Lecturer in charge</b>	<b>Assis. L. Vian Sabr</b>  <b>Dr. Roza Sabir</b>  <b>Assis. L. Sidra Salah</b>  <b>Assis. L. Sakar Yusif</b>  <b>MSc. Faten Rezwan</b>
<b>3. Department/ College</b>	<b>Architectural Dept. / Engineering College</b>
<b>4. Contact</b>	<b>e-mail:</b> <a href="mailto:vian_sabr@yahoo.com">vian_sabr@yahoo.com</a>  <a href="mailto:sidra.abubaker@su.edu.krd">sidra.abubaker@su.edu.krd</a>  <b>Tel: (optional) 0750 4763267 - 0750 4759720</b>
<b>5. Time (in hours) per week</b>	<b>Theory: 1</b> <b>Practical: 3</b>
<b>6. Office hours</b>	<b>Tuesday: 9:00-1:30 and Tuesday: 1:30-5:30</b>
<b>7. Course code</b>	
<b>8. Teacher's academic profile</b>	
<b>9. Keywords</b>	<b>Concrete structure, Building details</b>
<b>10. Course overview:</b>	<p>This course focuses on drawing sheets for the type of concrete 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>
<b>11. Course objective:</b>	<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 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:

- |                                   |              |
|-----------------------------------|--------------|
| <b>1- Total Minor Grades</b>      | <b>- 80%</b> |
| ▪ Midterm Exam.                   | - 10 %       |
| ▪ Weekly Presentation             | - 25 %       |
| ▪ First Presentation              | - 45 %       |
| <b>2- Final Examination Grade</b> | <b>- 20%</b> |

### **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	3	6/10/2020	Introduction
2	3	13/10/2020	Foundation Plan 1- Two Plans ( Basement + Ground ) 1:100 2- Detail Of Foundations 3- Table Of Materials ( Qualities + Quantities )
3	3	20/10/2020	Dimensions Plan 1- Four Plans: (Full Dimensions + Levels + Room Numbering+ Axes+ Fixed Furniture +Area + Text) 2- Table of Rooms Numbering & Areas
4	3	27/10/2020	Slab Reinforcement Plan (Three Plan) 1:50
5	3	3/11/2020	Elevations (Four) 1:50 1- Part Of Elevation With Scale 1:25
6	3	10/11/2020	Openings Plan (Three) 1:50 1- Table Of Doors 2- Table Of Windows 3- Details ( All Type Of Openings )
7	3	17/11/2020	Finishing Plans (Three) 1:50 1- Table of Finishing 2- Details of All Space Finishing
8	3	24/11/2020	Sections (Two Minimum) 1:50
9	3	1/12/2020	Site Plan + Electrical Plans
10	3	8/12/2020	Plumbing Studies + Air Conditioning Drawings
11	3	15/12/2020	Final Presentation for All Above Drawings
12	3	22/12/2020	
13	3	29/12/2020	First Semester Examination

**The Project:** it is a design for a small health center, the building consists of four floors.

1. Basement: including small kitchen, staff dining, and storage.
2. Ground floor: including one Doctor room, X ray, and sonography room.
3. First Floor: Two Doctor Rooms and Laboratory.
4. Second Floor: Café