TISHK INTERNATIONAL UNIVERSITY
FACULTY OF ENGINEERING
Department of ARCHITECTURE,
2021-2022 Spring
Course Information for ARCH 328 EXECUTION DRAWING II

Course Name:	EXECUTION DRAWING II

Code	Regular Semester	Theoretical	Practical	Credits	ECTS
ARCH 328	6	2	4	2	3

Name of Lecturer(s)-Academic Title:	Aysha Rashid - MSc Seema Khalid - MSc.
Teaching Assistant:	Miss Wafah wasfi
Course Language:	-
Course Type:	Main
Office Hours	Thursday10:00
Contact Email:	ayshe.rashid@tiu.edu.iq seema.khalid@tiu.edu.iq Tel:07507979891 07700220747
Teacher's academic profile:	MSc in TIU (2020) with a specialization in interior Architecture design and BSc in architecture engineering from Salahaddin University (2015). Mrs. Seema is a Lecturer in Department of Architecture Engineering in TIU from 2017. ,MSc. in urban and regional planning from university of Baghdad(2016) . BSc. in Architectural Engineering, Baghdad University(2013).
Course Objectives:	1- Defining the essence of working drawing sets and their position-role in design process in general. 2- The crucial role of architectural working drawing set in facilitating the execution of the building. 3- The major elements of any working drawing set(s). 4- Working drawing set(s) in a skeleton building. 5- Working drawing set(s) in a skeleton structure building. 6- Explaining skeleton structure in buildings and its types. 7- An introduction to steel and composite structures in buildings. 8- How to use and employ the architectural working drawing set(s) to facilitate the implementation of the sets of other engineering specialties.
Course Description (Course overview):	The purpose of this course is to provide students with the ability to produce working drawings (two-dimensional) with the aid of computer. In this course, students will get familiar with the legislation and working drawing system for the pr ofessional use. Lectures and exercises will be to introduce students to the systematics of drawing a project that could be realized in the real world. This meaning; the project would withhold enough information to be interpreted by contractor or any other person who is involved in realization to be able to read it.

COURSE CONTENT

Week	Hour	Date	Topic
1	2	6-10/2/2022	introduction to the course contents and explaining the syllabus
2	2	13-17/2/2022	Foundation plans (Footing , Column plans with schedule and details for footing)
3	2	20-24/2/2022	Curtain wall details (Plans , elevation and longitudinal detail wall section)
4	2	27/2-3/3/2022	Id drawing and the main elements (plans ,sections and enlargement).
5	2	6-10/3/2022	Id drawing (BOQ) for the materials +Critique before submission
6	2	27-31/3/2022	Prelim submission
7	2	3-7/4/2022	Design details : Roof Truss ideas
8	2	10-14/4/2022	Midterm Exam
9	2	17-21/4/2022	2nd prelim submission
10	2	24-28/4/2022	Reflected ceiling and Electrical plans

11	2	8-12/5/2022	Reflected ceiling and Electrical plans
12	2	15-19/5/2022	Pre-final submission
13	2	22-26/5/2022	Sanitary plans
14	2	29/5-2/6/2022	Critique before the final submission
15	2	5-9/6/2022	Final Exam
16	2	12-16/6/2022	Final Exam

COURSE/STUDENT LEARNING OUTCOMES

1	Be able for preparing any architectural working drawing sets could be invested in any building execution.
2	Earning the capability of communicating with the other engineers who work in the project whether in design, execution, running, and maintenance.
3	Be able to put his work at the disposal of coordination with the other engineering specialties for preparing their own sets of working drawing.

COURSE'S CONTRIBUTION TO PROGRAM OUTCOMES

(Blank : no contribution, I: Introduction, P: Profecient, A: Advanced)

	Program Learning Outcomes	**Cont.**
1	Apply problem-solving skills in the architectural context.	A
2	Demonstrate knowledge of architectural history, theory, and practice in solving architectural design problems.	I
3	Utilize freehand drawing, architectural graphics, and model building skills in solving architectural design problems.	A
4	Utilize the computer as a tool in a wide range of documentation and presentation applications, using CAD, 3-D visualization and rendering, electronic image composition and editing software.	A
5	Apply knowledge of mathematics, science, engineering and technology in solving architectural design problems.	I
6	Develop designs that meet desired needs within realistic economic, social, political, and cultural constraints.	P
7	Develop designs that fulfill the environmental, health & safety, and sustainability considerations.	P
8	Demonstrate team-working skills and show the ability to work collaboratively with various design teams involved in the building industry, and collaborate and negotiate with clients.	A
9	Demonstrate the necessary knowledge for applying laws, codes, regulations, standards and practices in relation to building construction systems.	
10	Show their ideas through high quality drawing skills and artistic sense.	
11	Utilize their skills to address professional and ethical responsibilities, diversity and commitment to the work field.	
12	Suggest solutions and techniques for engaging in life-long learning and knowledge about contemporary issues.	

Prerequisites (Course Reading List and References):	1- Architectural graphic standard- student edition, Wiley architecture. 2- Barry series books. 3- Mitchell series books. 4- Mackay series books. 5.COLOR, SPACE, AND STYLE ,
Student's obligation (Special Requirements):	Students must search for Architecture Details

Weekly Laboratory/Practice Plan:

Week	**Hour**	**Date**	**Topics**
1	4	6-10/2/2022	introduction to the course contents and explaining the syllabus
2	4	13-17/2/2022	introduction to skeleton building and the structural grid system
3	4	20-24/2/2022	lecture about types of information and annotations required to be shown on the plans
4	4	27/2-3/3/2022	final plans elevations and sections submission

	5	4	6-10/3/2022	external finishing cladding and curtain walls
	6	4	27-31/3/2022	critique while Drawing wall sections as class work
	7	4	3-7/4/2022	final submission for enlarged parts and wall sections
	8	4	10-14/4/2022	how to prepare enlarged elevations
	9	4	17-21/4/2022	how to prepare enlarged staircase details , lifts
	10	4	24-28/4/2022	Midterm Exam
	11	4	8-12/5/2022	lecture about expansion joints,
	12	4	15-19/5/2022	lecture miscellaneous details (roofing ,shaft,roof penetrations)
	13	4	22-26/5/2022	final details and reflected ceiling
	14	4	29/5-2/6/2022	steel structure construction
	15	4	5-9/6/2022	pre-final submission
	16	4	12-16/6/2022	critique

Course Book/Textbook:	1- Architectural graphic standard- student edition, Wiley architecture. 2- Barry series books. 3- Mitchell series books. 4- Mackay series books.
Other Course Materials/References:	Dr Atif Alsuhairy building construction
Teaching Methods (Forms of Teaching):	Lectures, Presentation, Project, Assignments, , ,

COURSE EVALUATION CRITERIA

Method	Quantity	Percentage (%)
Attendance	1	5
Participation	1	5
Homework	1	15
Project		15
Practical Exam	1	15
Midterm Exam(s)	1	20
Final Exam	1	40
Total		**100**

Examinations: Essay Questions, True-False, Short Answers, , ,

Extra Notes:

ECTS (ALLOCATED BASED ON STUDENT) WORKLOAD

Activities	Quantity	Workload Hours for 1 quantity*	Total Workload
Theoretical Hours	16	2	32
Practical Hours	16	4	32
Final Exam	1	20	20
Attendance	1	15	15
Participation	1	20	20
Homework	1		0
Project			0
Practical Exam	1		0

Midterm Exam(s)	1	0
Total Workload		**119**
ECTS Credit (Total workload/25)		**4.76**

Peer review

Signature:	Signature:	Signature:
Name:	Name:	Name:
Lecturer	Head of Department	Dean