TISHK INTERNATIONAL UNIVERSITY
FACULTY OF ENGINEERING
Department of ARCHITECTURE,
-2022 Spring
Course Information for ARCH 122 ARCHITECTURAL GRAPHIC II

Course Name:	ARCHITECTURAL GRAPHIC II

Code	Regular Semester	Theoretical	Practical	Credits	ECTS
ARCH 122	2	1	2	2	4

Name of Lecturer(s)-Academic Title:	Rawaz Najmaddin - MSc Aysha Rashid - MSc
Teaching Assistant:	Merve Anli
Course Language:	English
Course Type:	Main
Office Hours	wednesday- 2-5 wednesday 3-5 PM
Contact Email:	rawaz.najmaddin@tiu.edu.iq ayshe.rashid@tiu.edu.iq Tel:07509900303 07507979891
Teacher's academic profile:	studied MSc in TIU (2020) with a specialization in interior Architecture design and BSc in architecture engineering from Salahaddin University (2015). MSc in TIU (2020) with a specialization in interior Architecture design and BSc in architecture engineering from Salahaddin University (2015).
Course Objectives:	The subject aims at developing the skills needed for documenting designs using architectural drawings and drafting conventions; orthographic projections and views, their types and use in building presentation, as well as performing graphical analysis of two dimensional and three dimensional problems. The outcome of Engineering Graphics, is to enable students to comprehend general projection theory to represent three-dimensional objects in two-dimensional views (top, front, side views), to visualize the design represented using axonometric projection and to dimension and annotate two-dimensional engineering drawings. In addition, it provides a training of the students' intellectual capability of space perception and spatial reasoning necessary for architectural design
Course Description (Course overview):	This course is a continue to teach students drawings technique like ink on tress paper, shade and shadow, iso metric, perspective, sective.

COURSE CONTENT

Week	Hour	Date	Topic
1	1	27-31/3/2022	Multi-view Drawing (20x0x20 Isometric Project)
2	1	3-7/4/2022	Multi-view Drawing (20x0x20 Isometric Project)
3	1	10-14/4/2022	Multi-view Drawing (20x0x20 Isometric Project)
4	1	17-21/4/2022	Architectural Drawing System (Plans)
5	1	24-28/4/2022	Architectural Drawing System (Elevations & Sections)
6	1	8-12/5/2022	Using Scale
7	1	15-19/5/2022	Midterm Exam
8	1	22-26/5/2022	Shade and Shadow
9	1	29/5-2/6/2022	Shade and Shadow
10	1	5-9/6/2022	Architectural Rendering
11	1	12-16/6/2022	Architectural Presentation
12	1	19-23/6/2022	Final Exam

13	1	26-30/6/2022	Final Exam

COURSE/STUDENT LEARNING OUTCOMES

1	Understanding the graphical representation language in terms of methods and techniques used in architectural design.
2	Understanding of the fundamentals of visual perception and the principles and systems of that inform order two- and three-dimensional design.
3	Ability to make technically precise drawings.
4	Ability to analyse 2D and 3D drawings.

COURSE'S CONTRIBUTION TO PROGRAM OUTCOMES

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

	Program Learning Outcomes	**Cont.**
1	Be able to apply creative problem solving skills to architectural problem solving	I
2	Demonstrate knowledge of architectural history, theory, and practice in the solution of architectural design problems in a global society	I
3	Be able to utilize freehand drawing, architectural graphics, and model building skills in the solution of design problems	P
4	Be able to utilize the computer as a tool in a wide range of documentation and presentation applications, using CADD, 3-D visualization and rendering, electronic image composition and editing software	
5	Be able to identify, formulate, and effectively communicate the critical issues involved in the solution of architectural design problems regarding other engineering professions.	I
6	The Ability to conceptualize and coordinate designs that addressing some of the most social, cultural, environmental, theoretical, economic, and technological aspects of architecture.	
7	The ability to recognize the dialectic relationship between people and the built environment in a region and apply principles of sustainable design.	
8	The ability to work collaboratively with various design teams involved in the building industry, and collaborate and negotiate with clients and consultants.	I

Prerequisites (Course Reading List and References):	1. Ching, Francis D.K., Architectural Graphics, Sixth Edition, John Wiley& Sons, Inc., Hoboken, New Jersey, 2015. 2. Jefferis, Alan, Architectural Drafting and Design, Sixth Edition, Delmar Cengage Learning, 2011. 3. WALLACH, PAUL ROSS, fundamentals of M
Student's obligation (Special Requirements):	Drawing Tools, Drawing Sheets, Colors, Colorful Canson, Attendance, and Participation,
Course Book/Textbook:	Ching, Francis, D.K., "Architectural Graphics", 6th Edition, John Wiley ^ Sons, Inc., Hoboken, New Jersey 2015.
Other Course Materials/References:	1. Jefferis, Alan, "Architectural Drafting and Design", 6th Edition, Delmar Cengage Learning, 2011. 2. Wallach, Paul Ross, "Fundamental of Modern Drafting", 2nd Edition, Delmar Cengage Learning, USA, 2014
Teaching Methods (Forms of Teaching):	Lectures, Practical sessions, Presentation, Seminar, Project, Assignments, , ,

COURSE EVALUATION CRITERIA

Method	**Quantity**	**Percentage (%)**
Attendance	1	5
Participation	1	5
Homework	2	5
Presentation	4	10
Final Exam	1	40
Total		**100**

Examinations: Essay Questions, True-False, Fill in the Blanks, Multiple Choices, Matching, , ,

Extra Notes:

ECTS (ALLOCATED BASED ON STUDENT) WORKLOAD

Activities	Quantity	Workload Hours for 1 quantity*	Total Workload
Theoretical Hours	13	1	13
Practical Hours	13	2	13
Final Exam	1	2	2
Attendance	1	20	20
Participation	1	20	20
Homework	2		0
Presentation	4		0
Total Workload			**68**
ECTS Credit (Total workload/25)			**2.72**

Peer review

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