TISHK INTERNATIONAL UNIVERSITY
FACULTY OF ENGINEERING
Department of ARCHITECTURE,
-2022 Spring
Course Information for ARCH 125 COMPUTER APPLICATION IN ARCHITECTURE I

Course Name:	COMPUTER APPLICATION IN ARCHITECTURE I				

Code	**Regular Semester**	**Theoretical**	**Practical**	**Credits**	**ECTS**
ARCH 125	2	-	2	2	2

Name of Lecturer(s)- Academic Title:	Shino Abdullah - MSc
Teaching Assistant:	Maha Nahedh
Course Language:	-
Course Type:	Main
Office Hours	4
Contact Email:	shino.abdullah@tiu.edu.iq Tel:07505149555
Teacher's academic profile:	Head of Architecture Department
Course Objectives:	-Introducing the drawing process. -Introducing the basic and fundamentals aspect of Auto CAD program. Create and present 2D models accurately. -Presenting the architecture drawings properly -Prepare the 3D models actively
Course Description (Course overview):	Intensive introduction to computer-aided design systems for developing 2D drawings into 3d Models. Lectures and exercises focus on learning the methodology for using CAD to efficiently prepare 2D & 3D models drawings.

COURSE CONTENT

Week	Hour	Date	Topic

COURSE/STUDENT LEARNING OUTCOMES

1	Understand the auto CAD programme tools and their functions
2	Understanding the drawing process step by step
3	Constructing and presenting 2D and 3D models
4	Understanding the computer applicatuion in Architecture practice

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	A
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	A
5	Be able to identify, formulate, and effectively communicate the critical issues involved in the solution of architectural design problems regarding other engineering professions.	P
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.	P
8	The ability to work collaboratively with various design teams involved in the building industry, and collaborate and negotiate with clients and consultants.	P

Prerequisites (Course Reading List and References):	Shih. R., 2017 Auto CAD 2018 Tutorial First Level 2D Fundamentals. Mission: SDC Publications

Student's obligation (Special Requirements):	-Attendance in all lectures and using computer during lecture. -Doing lecture tasks and homework. -Preparing individual project
Course Book/Textbook:	Omura, G. (2012). Mastering AutoCAD 2013 and AutoCAD LT 2013. John Wiley & Sons. Hamad, M. M. (2016). A UTO CAD® 2016 B EGINNING AND I NTERMEDIATE. Shih. R., 2017 Auto CAD 2018 Tutorial First Level 2D Fundamentals. Mission: SDC Publications. Shih. R., 2016 Auto CAD 2017 Tutorial First Level 2D Fundamentals. Mission: SDC Publications.
Other Course Materials/References:	-"AutoCAD 2014 and Auto CAD LT 2014", 2013, by D. Gladfelter -Auto CAD 2016 for Beginners, 2015, by Kishore -Introduction to AutoCAD 2011 2D and 3D Design, 2010 by A. Yarwood -http://www.autodesk.com/community
Teaching Methods (Forms of Teaching):	Lectures, Practical sessions, Project, , ,

COURSE EVALUATION CRITERIA

Method	Quantity	Percentage (%)
Attendance	1	5
Quiz	1	10
Homework	1	10
Project	1	10
Midterm Exam		20
Laboratory	1	5
Laboratory	1	20
Final Exam	1	40
Total		**100**

Examinations: True-False, Multiple Choices, Matching, , ,

Extra Notes:

ECTS (ALLOCATED BASED ON STUDENT) WORKLOAD

Activities	Quantity	Workload Hours for 1 quantity*	Total Workload
Theoretical Hours	0	0	0
Practical Hours	0	2	0
Final Exam	1	15	15
Attendance	1	4	4
Quiz	1	10	10
Homework	1	10	10
Project	1		0
Midterm Exam			0
Laboratory	1		0
Laboratory	1		0
Total Workload			**39**
ECTS Credit (Total workload/25)			**1.56**

Peer review

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