

<p style="text-align: center;">TISHK INTERNATIONAL UNIVERSITY FACULTY OF ENGINEERING Department of ARCHITECTURE, 2021-2022 Spring Course Information for ARCH 227 COMPUTER APPLICATION IN ARCHITECTURE III</p>					
Course Name:		COMPUTER APPLICATION IN ARCHITECTURE III			
Code ARCH 227	Regular Semester 4	Theoretical 1	Practical 1	Credits 2	ECTS 3
Name of Lecturer(s)- Academic Title:		Shallow Hamza - Assistant Lecturer			
Teaching Assistant:		-			
Course Language:		-			
Course Type:		Main			
Office Hours		3			
Contact Email:		shallaw.hamza@tiu.edu.iq Tel:07507616126			
Teacher's academic profile:		MSc in Architectural Engineering			
Course Objectives:		<ul style="list-style-type: none"> •Introduce the basic and fundamentals aspect of Revit Architecture programme. •Understand the basics of modeling with Revit •Prepare the two dimensional (2D) drawing and three dimensional (3D) models at the same time •Adding materials and lighting to the 3D models •Familiarizes students with the fundamentals of rendering for Revit programme. 			
Course Description (Course overview):		<p>The module has been designed to enhance student's presentation skills via using graphic computer programmes. The focus will be on the 3Ds max programme that have been used widely by architects and designer in last two decades. In a series of seminar, the fundamental tools and commands, such as, creating and editing models, adding lights, and making animations. Moreover, adding materials to the models, and how it can be rendered. The students will be experiencing a set of practice excises be using computer. They also will be asking to prepare individual project.</p>			
COURSE CONTENT					
Week	Hour	Date	Topic		
1	1	6-10/2/2022	Revit user interfaces, view control and file management		
2	1	13-17/2/2022	Levels, walls, doors and windows, and practice exercise.		
3	1	20-24/2/2022	Floor, roof, Ceiling and columns+ practice		
4	1	27/2-3/3/2022	Grid, components and structure+ practice		
5	1	6-10/3/2022	Stairs, railing and shafts+ practice		
6	1	27-31/3/2022	Option bar and reviewing+ practice		
7	1	3-7/4/2022	Annotation, schedules and construction sheets + practice		
8	1	10-14/4/2022	Midterm Exam		
9	1	17-21/4/2022	schedules and construction sheets		
10	1	24-28/4/2022	practice		
11	1	8-12/5/2022	Moving from design to detailing techniques		
12	1	15-19/5/2022	Advanced detailing techniques-1		
13	1	22-26/5/2022	Advanced detailing techniques-2		
14	1	29/5-2/6/2022	Site and Topography- Creating Sheets and printing		

	13	1	22-26/5/2022	layout 2	
	14	1	29/5-2/6/2022	layout 3	
	15	1	5-9/6/2022	post production 1	
	16	1	12-16/6/2022	post production2	
Course Book/Textbook:	Krygiel. E., Demchak. G., Dzambazova. T. 2009. Mastering Revit @Architecture 2009. Wiley Publishing, Inc., Indiana				
Other Course Materials/References:	www.autodesk.com https://academy.autodesk.com/software/Revit online Revit channels tutorials on YouTube.				
Teaching Methods (Forms of Teaching):	Lectures, Presentation, Self evaluation, Project, , ,				
COURSE EVALUATION CRITERIA					
Method			Quantity	Percentage (%)	
Attendance			1	5	
Quiz			1	10	
Homework			1	10	
Project			1	10	
Midterm Exam(s)			1	25	
Final Exam			1	40	
Total				100	
Examinations: Essay Questions, True-False, Multiple Choices, , ,					
Extra Notes:					
ECTS (ALLOCATED BASED ON STUDENT) WORKLOAD					
Activities			Quantity	Workload Hours for 1 quantity*	Total Workload
Theoretical Hours			16	1	16
Practical Hours			16	1	8
Final Exam			1	8	8
Attendance			1	2	2
Quiz			1	6	6
Homework			1		0
Project			1		0
Midterm Exam(s)			1		0
Total Workload					40
ECTS Credit (Total workload/25)					1.6

Peer review

Signature:
Name:
Lecturer

Signature:
Name:
Head of Department

Signature:
Name:
Dean