

Course Name	Code	Semester	Hour(T+P)	Credit	ECTS
Communication 4	ARCH 204	4	1+3		3
Prerequisite					
Language of Instruction	English				
Course Type (Required / elective)	Required				
Course Coordinator	Zeynep İNAN OCAK, Furkan SAĞDIÇ				
Instructor /e-mail	Zeynep İNAN OCAK				
Assistan(s)	Research Assistant Furkan SAĞDIÇ				

Goals	To produce architectural representations using two-dimensional and three-dimensional drawing techniques in a computer environment. To express, analyze, and finalize design ideas with computer support by making necessary adjustments.				
Learning Outcomes	The student applies AutoCAD, SketchUp, Photoshop, and Lumion software to architectural drawings. The student gains graphic representation skills. The student acquires the ability to represent designs. The student learns to provide and review technical documentation. The student gains experience in creating formal compositions.				
Course Content	Theoretical and technical background of using computer-aided design tools at different stages of design; experiencing architectural project representation through various practices; ensuring and improving the integration of digital tools into the project process.				
Assessment Criteria	Assessment Components				
	Midterm Grade	MIDTERM Project Submission-1 (%70)			% 40
		In-term Practices (Midterm Submission-1 etc.) (%30)			
	Final Grade	In-term Practices (Midterm Submission -2,3 etc.) (%50)			% 60
		FINAL Submission Project-2 (%50)			
Course Success - Total				%100	

Weekly Topics and Preparations		
Week	Topics	Preparations
Week 1 17.02.2025	Course Introduction	
Week 2 24.02.2025	Introduction to SketchUp Installation, Software Interface & Tools.	Video on the topic - Video-1 , Video-2 , Video-3 , Video-4
Week 3 03.02.2025	Creating Basic Geometric Forms in SketchUp, Tool Exercises.	Video on the topic - Video-5 , Video-6 , Video-7 , Video-8
Week 4 10.03.2025	Learning SketchUp Tools.	Video on the topic - Video-9 , Video-10 , Video-11 , Video-12
Week 5 17.03.2025	Learning SketchUp Tools.	Video on the topic - Video-13 , Video-14 , Video-15 , Video-16
Week 6 24.03.2025	Producing 3D Architectural Models with SketchUp, Using Pre-made Models.	Video on the topic - Video-17 , Video-18 , Video-19 , Video-20
	MID TERM-1	
Week 7 31.03.2025	Ramadan Aid	
Week 8 07.04.2025	Advancing in 3D Architectural Modeling with SketchUp.	Video on the topic - Video-21 , Video-22 , Video-23 , Video-24 – Practice-assignment
14.04.2025-20.04.2025	Midterm: PROJECT 1 SUBMISSION	
Week 9 21.04.2025	Modeling Project Site and Material Settings in SketchUp	Video on the topic - Video-25 , Video-26 , Video-27 , Video-28
Week 10 28.04.2025	Using SketchUp Plugins	Video on the topic - Video-29 , Video-30 , Video-31 , Video-32
Week 11 05.05.2025	Material & Light Settings with SketchUp & Lumion, Creating Render Scenes.	Video on the topic - Video-33 , Video-34 , Video-35 , Video-36
Week 12 12.05.2025	In-term Submission-2: In-term Submission to make final checks.	
Week 13 19.05.2025	May 19 The Commemoration of Atatürk Youth and Sports ay	
Week 14 26.05.2025	Realistic Scene, Camera, and Material Settings in Lumion.	Mid Submission Practice - assignment - Video-37 , Video-38 , Video-39 , Video-40
Week 15 02.06.2025	Composing an Architectural Presentation Board with Photoshop	Practice - assignment - Video-41 , Video-42 , Video-43

Week 16 | 09.06.2025**In-term Submission-3:** Students will show the final version of their work on their computers in the classroom, their deficiencies will be identified before submission, and final checks will be made.**SOURCES**

Architectural Design with SketchUp: 3D Modeling, Extensions, BIM, Rendering, Making, and Scripting (2nd Edition) - Alex Schreyer
 Building Blocks of SketchUp - Robert Lang
 Google SketchUp for Site Design - Daniel Tal

ECTS / WORKING HOUR TABLE

Activities	Number of Weeks	Duration (Hour)	Working Hour
Course Duration (14xTotal weekly class hours including exams)	14	4	56
Extracurricular Working Hours (Preparatory work, Criticism Assignments, Internet Studies, etc.)	10	2	20
Homework and Presentations	6	1	6
Midterm Exams	1	4	4
Final Exam	1	4	4
Total Working Hours			90
Total Working Hours / 30			3
Course ECTS Credit			3