

School of Fine Arts Design and Architecture / Industrial Design
2023 - 2024 Academic Year
DIGITAL DESIGN TOOLS III
Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
DIGITAL DESIGN TOOLS III	EUT3158710	Fall Semester	2+2	3	5
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	Turkish				
Course Level	First Cycle (Bachelor's Degree)				
Course Type	Required				
Course Coordinator	Assist.Prof. Seher Oya AKMAN				
Name of Lecturer(s)	Lect. Alper Kutalmış ÇİFTÇİ				
Assistant(s)					
Aim	Using advanced modeling techniques students will be able to create forms that are producible. Students will gain the ability to create alternatives during the process of design and improve various properties of the product such as form, color, texture, material and ergonomics.				
Course Content	This course contains;				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
To develop forms that are producible			16, 6, 8, 9	E, F	
To explain the mathematical fundamentals of 3D modeling, and learn the basic concepts			16, 6, 8, 9	E, F	
To practice advanced modeling techniques			16, 6, 8, 9	E, F	
To create the basic skills for creating 3D models from sketches			16, 6, 8, 9	E, F	
To practice visualization techniques			16, 6, 8, 9	E, F	
Teaching Methods	16: Question - Answer Technique, 6: Experiential Learning, 8: Flipped Classroom Learning, 9: Lecture Method				
Assessment Methods	E: Homework, F: Project Task				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
Evaluation Methods			Weight(%)		
(Midterm Exam)					
Midterm Exam			50		
(General Exam)					
General Exam			50		
Resources					
Solidworks 2017: a power guide for beginners and intermediate users. (2017). Place of publication not identified: CADArtifex.					