

COURSE INFORMATION FORM

Faculty/ Institute	Faculty of Fine Arts and Architecture
Department	Department of Industrial Design
Course Code	EUT 203
Course Title	Model Making
Language	Turkish
Program	Industrial Design Undergraduate Program
Course Type	Must
Course Level	
Course ECTS	2
Prerequisites	None
Course Catalogue Description	The course is comprised of the basic model making techniques for the industrial design process.
Course Objectives	The aim of the course is to introduce the basics of model making, along with the topics such as different model production techniques, surface finishing and painting.
Course Learning Outcomes	At the end of the course, students are expected to gain the necessary information on basic model making, surface finishing and painting techniques
Resources and References	Model Building for architects and engineers, John R. Taylor
Course Grading	Grade Points
Attendance	10*
Laboratory	
Applications	
Field Study	
Tasks	40**
Presentations	
Projects	
Seminars	
Midterms	
Quiz	
Final	50
Total	100

*According to the TOBB ETU education regulation, students who do not attend to more than 20% of the course fail and graded FF. Students have to bring the required tools and equipments with them to the course.** Applications in the 4th,6th and 8th weeks.

Weekly Outline	Topics
1	Introduction to model making and workshop usage Examining the notion and the types of models, the tools and materials that are used in model making. Explaining shortly the topics that is planned to cover throughout the course. Evaluation of the expectations of the students from the course and their existing knowledge on model making. Giving information on the general safety precautions in the workshop and also use, safety and maintenance of tools and machines in the workshop.
2	General cutting and assembly techniques Sheet cutting techniques by hand and machine, techniques for shaping two dimensional sheets to three dimensional forms and applications.
3	The use of plastic material in models Types of plastics that can be used in model making, production methods. Cutting, gluing and surface finishing techniques. Application with basic shapes.
4	The use of plastic material in models Application with complex shapes *
5	The use of wood material in models Types of wood that can be used in model making, production methods. Cutting, gluing and surface finishing techniques. Application with basic shapes.
6	The use of wood material in models Application with complex shapes *
7	The use of foam material in models Types of foam material that can be used in model making, production methods. Cutting, gluing and surface finishing techniques. Application with basic shapes.
8	The use of foam material in models Kompleks şekilli modellerle uygulama. *
9	Mold making and the methods of multiplying parts Seri imalat yöntemleri hakkında genel bilgi. Maket imalinde makineli ve makinesiz seri imalat yöntemleri.
10	Rapid prototyping methods for models Different rapid prototyping techniques, advantages and disadvantages of these in comparison to one another. Surface finishing techniques for the parts produced with rapid prototyping.
11	Painting techniques for models Surface texture, types of paints, introduction of tools and methods.
12	Final project