ID231 MODELS AND PROTOTYPES IN DESIGN
SYLLABUS FOR 2023-24 FALL SEMESTER

Ecem Kumbasar

This course aims to develop fabrication techniques and model building skills, making use of the commonly used materials and prototyping methods to build realistic, 3-dimensional working models. Students will have the chance to experiment with the commonly preferred equipment, tools and materials for model making. They will practice manual and rapid (digital) 3D modeling skills. Upon successful completion of this course, students will:

- practice model and prototyping methods, equipment, tools, and materials.
- apply various model making techniques and model making materials for different design purposes at a basic level.
- distinguish the types of models used in industrial design process.

RECOMMENDED READINGS (Students do NOT have to buy these books!)

- Lefteri, Chris (2012). Making It: Manufacturing Techniques for Product Design. London. Laurence King Publishing.
- Werner, Megan (2011). Model Making. New York, USA: Princeton Architectural Press
- Rodgers, P. and Milton, A. (2011). Product Design. London. Laurence King Publishing.
- Cuffaro D.F., Paige D., Blackman C.J., Laituri D., Covert D.E., Sears L.M., Nehez-Cuffaro A., Zaks I. (2013). The Industrial Design: Reference + Specification Book: Everything Industrial Designers Need to Know Every Day. Massachusetts, USA. Rockport Publishers.

GRADING

There may be minor changes in the grading scheme. Any planned changes will be announced in advance.

First Project- **20%**
Midterm Project- **30%**
Final Project- **30%**
Attendance- **20%**

OFFICE HOURS

On-demand appointments via e-mail.

CLASS RULES

- Be punctual. If students are late to class, they may fall behind schedule, miss model making demonstrations or project critiques which will be helpful for developing their prototypes.
- Be prepared for each class by having completed all the assigned homework and deliverables in order to get timely feedback for your projects.

WEEKLY SCHEDULE

Note: Any planned changes in the schedule will be announced in advance.

Week and Date	Content
1 5/10/23	**Project 1**
2 12/10/23	
3 19/10/23	
4 26/10/23	
5 2/11/23	**Project 2 (Midterm Project)**
6 9/11/23	
7 16/11/23	
8 23/11/23	
9 30/11/23	

10 7/12/23	
11 14/12/23	
12 21/12/23	**Project 3 (Final Project)**
13 28/12/23	
14 4/1/24	
Final Critics- Date will be announced later	**Final Presentations and Crits (Final Project)**