

ID311 MODEL MAKING SYLLABUS FOR 2021-22 SPRING SEMESTER

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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:

1. identify model making methods, equipment, tools, and materials.
2. assemble various model making techniques and modeling materials for different design purposes.
3. 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.

Term Projects- **30% (2 projects, 15% each)**

Midterm Project- **20%**

Final Project- **30%**

Presentation Skills and craftsmanship- **10%**

Process Book- **5%** (will be explained in first class)

Attendance- **5%**

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	Modules	Content
1	INTRODUCTION	First Meeting & Introduction to the Course
2	MODULE 1 (LIGHTING PROJECT)	Research & Presentation skills In-class demonstration Hands-on activities
3		Presentation skills Telling/ Explaining Hands-on activities
4		Presentation skills Final critique for Module 1 Project Telling/ Explaining
5	FIELD TRIP	Field Trip to Ezgi Pleksi Research
6	MODULE 2 (ORGANIZER PROJECT)	Presentation skills Telling/ Explaining Problem Solving Hands-on activities
7		Presentation skills Final critique for Module 2 Project Telling/ Explaining Research
8	MODULE 3 (MIDTERM PROJECT)	Presentation skills In-class demonstration Problem Solving Hands-on activities
9		Presentation skills Problem Solving Hands-on activities
10		Presentation skills

		Final critique for Module 3 Project Telling/ Explaining Hands-on activities
11	MODULE 4 (FINAL PROJECT)	Presentation skills Telling/ Explaining Hands-on activities
12		Presentation skills Telling/ Explaining Hands-on activities
13		Presentation skills Telling/ Explaining Hands-on activities
14		Presentation skills Final Project Submission and Final Critique for Module 4 Project