

# ID201 INDUSTRIAL DESIGN I

## Syllabus for 2022-23 Fall Semester

Tuesday 9.00-17.00 & Fridays 9.00-12.00

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The goal of this course is to introduce the students with the formal, structural and functional components of product design. Students are encouraged to consider issues of manufacturing and use, such as efficiency, use of materials, and effective use of resources. Basics of user factors in the context of industrial design, such as physical and cognitive ergonomics, product language and ease of use are addressed as a part of user-centred design methodology, which is integrated in introductory level product design projects. Upon successful completion of this course, you will:

- Explain the relationship between structural properties of materials and functional aspects of products.
- Examine designed objects in terms of their structural complexity, functionality, efficiency in manufacturability and use of resources.
- Predict the impact of the physical and cognitive affordances of products on human-product interaction.
- Relate form and function of product with users' experience with them.
- Use appropriate user testing methods at necessary steps throughout the design process at a basic level.
- Create prototypes to communicate and gain feedback on design features.

## GRADING

Briefs for each project will be provided separately. Changes in distribution of grades for each project may occur – you will be informed about them.

- Project 1 (10%); Project 2 (50%); Project 3 (30%); Documentation (10%)

## ATTENDANCE

Attendance to the weekly classes is mandatory. Students who fail to attend more than 70% of the classes, with or without excuses, will receive FX grade and have to repeat the course<sup>1</sup>. Short-term medical reports are not accepted as excuses for absence<sup>2</sup>.

## OFFICE HOURS

On-demand appointments via e-mail.

**\*\*\*IMPORTANT NOTE\*\*\*** Please check your TEDU mails regularly to keep updated about the announcements, grades, etc.

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<sup>1</sup> **Academic Rules and Regulations For Undergraduate Study - ARTICLE 23** – Students are liable to attend the theoretical and practical class hours, examinations and other academic studies as required by the instructors. The attendance requirements will be announced by the instructor at the onset of the semester.

<sup>2</sup> **Implementation Principles For Student Medical Reports - ARTICLE 4** – For undergraduate programs, the excuse of the student who has a regular report covering only 1-3 days is not accepted as an excuse for absenteeism for the dates indicated; those covering 4 or more days are accepted as an excuse for absenteeism for the dates the report covers. In both cases, how the make-up exams are arranged for the exams not taken during the period of the medical report is in the discretion of the faculty member.