

# Introduction to product design



## En bref

> **Langues d'enseignement:** Français

## Présentation

### Objectifs

The main objective of this module is to give students an introduction to product design throughout a team project. Students will implement Product development design process to redesign and create a small object or product, answering to a specific customer need.

### Heures d'enseignement

Introduction to product design - TD	Travaux Dirigés	20h
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### Plan du cours

On completion of the module, the student is expected to be able to :

**L01** : experience a design thinking process

**L02** : benchmark existing products and search patent

**L03** : identify customer needs and market opportunities

**L04** : Lead functional analysis and write requirements specifications

**L05** : generate innovating concepts

**L06** : read technical drawing and 3D model a part and assembly using CAD Software and 3D print it

### Compétences visées

- # Design thinking
- # Product development process
- # Functional analysis method
- # Benchmark and patent search
- # Concept generation using TRIZ method
- # Brainstorming
- # 3D modeling : Solidworks

Company visit

## Infos pratiques

### Lieux

> Annecy-le-Vieux (74)

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## Campus

➤ [Annecy / campus d'Annecy-le-Vieux](#)