Introduction to product design

ECTS crédits

Composante IUT d'Annecy

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 |

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

Infos pratiques

Lieux

- **Annecy-le-Vieux (74)**
Campus

Annecy / campus d'Annecy-le-Vieux