

Design – CAD

Introducing

year: I1ANTI11 and I1ANSY21.

Description

3 ECTS: Mechanical Design

Design and understand the architecture of mechanisms.

3 ECTS: Civil Engineering BIM

Model and transition from 2D to 3D.
Apply concepts of construction techniques.

Évaluation

L'évaluation des acquis d'apprentissage est réalisée en continu tout le long du semestre. En fonction des enseignements, elle peut prendre différentes formes : examen écrit, oral, compte-rendu, rapport écrit, évaluation par les pairs...

Practical info

Location(s)

 Toulouse

Objectives

The student must be able to:

- Define a simple rotational guide.
- Specify the assembly of components.
- Represent schematically (modeling).
- Provide a graphical representation of a mechanism's architecture.
- Create 2D and 3D graphical representations.
- Model elements of civil engineering projects.
- Query a digital model to extract production data.
- Understand the mechanical functioning of civil engineering projects.

Necessary prerequisites

Introductory courses on industrial techniques in the first