

Mechanical Engineering



SCHOOL

Polytech Graduate School of Engineering



CAMPUS

Belle-Beille



LEVEL

3rd year Bachelor's degree



OPEN TO EXCHANGE STUDENTS

Yes



SEMESTER

Fall (S1)

- > **Degree course:** Graduate School of Engineering - Automation and Computer Engineering
- > **Teaching unit:** UE 5.2 Automatique and Automatisation
- > **Course language:** English
- > **Duration (hours):** 28
- > **ECTS:** 3
- > **Teacher(s):** Anthony Delamarre

> Assessment:

- Continuous assessment
- Final exam

> Teaching methods:

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|---|----------|-------------------------------------|
| <input type="checkbox"/> Lecture course | hours | <input type="checkbox"/> Case study |
| <input checked="" type="checkbox"/> Tutorial course | 16 hours | <input type="checkbox"/> Project |
| <input checked="" type="checkbox"/> Practical work | 12 hours | |

COURSE DESCRIPTION

Part 1: Mechanical Technology - Ensure bases : Technical drawing / knowledge of mechanical components (bearing / gear / etc) / linking piece / kinematic - goal : understand a mechanism

Part 2: CAD - Ensure CAD bases : design and / or use the digital model of a mechanism

Part 3: Applied Mechanics - Ensure bases of applied Mechanics: force , torque, wrench , Equilibrium equations, mechanical calculation (speed , power, energy , etc.)

OBJECTIVES

To give the basics of mechanical technology

PREREQUISITES

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