

Mechanical Engineering Project II**ME-402 Mechanical Engineering Project II**

Various Professors

Program: Mechanical Engineering (MA1, MA2, MA3, MA4)

Type: Optional

Language of Instruction:	French / English
Credits:	10
Withdrawal:	Not permitted after the registration deadline
Session:	Winter, Summer
Semester:	Autumn
Exam:	During the semester
Workload:	300 hours
Weeks:	14
Weekly Hours:	2
Project:	2

Summary:

The student applies the skills acquired in an academic or technical scientific project.

Content:

During this project, students will use the skills they have acquired to tackle a scientific problem independently. The topics for these projects are chosen from among the research and development activities of one of the laboratories at the Institute of Mechanical Engineering. The lists of projects can be consulted on the laboratories' website or that of the Mechanical Engineering Department.

As part of this project, it is also possible to participate in interdisciplinary projects, provided that the topic has been defined in collaboration with a professor or lecturer from the department and that the work is carried out individually.

Possibility of completing the ME-402 semester project outside the section upon prior approval by the section director.

Keywords:

Application, Communication.

Learning Outcomes:

- Apply scientific, technical, and organizational skills in a research project.

Transversal Skills:

- Compare progress with the plan and adapt accordingly.
- Use an appropriate work methodology, organize one's work.
- Evaluate one's own performance in a group, receive feedback, and respond appropriately.
- Communicate effectively and be understood, including by people of different languages and cultures.
- Write a literature review establishing the state of the art.

- Collect data.
- Write a scientific or technical report.
- Access and evaluate appropriate information sources.

Teaching Method:

Guided personal work in laboratory and project rooms.

Assessment Method:

Written report to be submitted no later than the Friday of the first week after the end of teaching (for spring projects), and no later than the Friday of the second week after the end of teaching (for autumn projects).