



PROJET D'ÉTUDES

STUDY PROJECT

Lecturers: **Thierry FARGERÉ**

| Lecturers : 6 | TC : 7 | PW : 0.0 | Autonomy : 0.0 | Study : 0.0 | Project : 100 | Language : FR

Objectives

In the 1st year, students are introduced to their future engineering profession by being entrusted with their first mission called a Study Project. In autonomous teams of 4-6 people, they choose a scientific or technical issue in the School's areas of expertise. They will then have to specify the targets of their mission, design the organization of their project (schedule, tasks to be carried out, division of responsibilities, deliverables to be provided) and manage the budget entrusted to them. Students are supervised by an educational team made up of a scientific tutor and 2 advisers (communication, project management). Partner companies and research laboratories can also get involved.

Keywords : Project, autonomy, team work

Programme

The project takes place all year round on Wednesday afternoons (minimum 100h). Students also follow different tutorials: 2 hours on bibliographic research, 2 hours on report writing, 4 hours on project management, 10 hours on communication (meeting management, written and oral expression). During this mission, with the support of the teaching team, the students research and use bibliographic data, formulate hypotheses and propose solutions, experiment or model, build prototypes. They must manage the vagaries of their project and report regularly on their progress to their tutors. They manage their purchases and seek additional funds if necessary. Two steering meetings are organized by the students during the year to report on the progress of the project.

Learning outcomes

- Facing a complex problem without a single solution
- Build and manage a team project (C3N1)
- Search for skills and information
- Put in place the means to carry out the project and achieve the defined objectives (C3N2)
- Obtain results without achieving the obligation of success, given the formative nature of the approach
- Master written and oral communication (C3N3)

Independent study

Objectifs : Achieve project goals

Méthodes :

- Documentary research: use of the digital tools available at the library.
- Construction of models or prototypes: use of the FabLab
- Use of digital simulation software
- Programming

Core texts

Assessment

- Final mark : 50% (work), 25% (final report), 25% (oral presentation)