

IDENTIFICATION

Course code : E2CP4B2
ECTS : 1

DURATION

Lectures : 0
Tutorial classes : 0
Labs : 0
Total : 0

Project :
Personnal work :

ASSESSMENT

Report + Oral presentation (20 min)

TEACHING MATERIALS

LANGUAGE

English

CONTACT

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UE : BATIMENT-ENERGIE

COURSE : PROJECT S-IV

SCOPE OF THE COURSE

OBJECTIVES

Engineer's life simulator. Students must demonstrate that they can not only solve a technical problem but also manage its resolution within constrained conditions (time, resources, team).

COMPETENCE AND SKILLS

- **Project management mastery** : ability to plan, lead, and monitor a project (defining a specifications document, managing a Gantt chart, identifying risks, and meeting deadlines).
- **Technical application** : applying scientific and technical knowledge acquired in courses to design, model, or implement a concrete solution (prototype, software, technical study).
- **Teamwork and collaboration** : demonstrating the ability to organize collectively, allocate tasks, manage group interactions, and work effectively in a team.
- **Autonomy and initiative** : ability to research information, learn new tools, and make proactive decisions to overcome obstacles.
- **Professional communication** : documenting the project (reports) and presenting work (oral defenses), justifying technical choices and the approach clearly and convincingly.

PROGRAM

1. Introduction to project management : specifications document, planning, Gantt chart, and risk management.
2. Technical design and development : applying scientific knowledge and creating a prototype, model, or study.
3. Teamwork organization : task allocation, coordination, progress check-points, and managing interactions.
4. Autonomy and problem-solving : information research, tool mastery, technical choices, and reasoned decision-making.
5. Writing and presentation : producing the report, preparing the oral defense, justifying choices, and showcasing the project.

BIBLIOGRAPHY

REQUIREMENTS