

IDENTIFICATION

Course code : E2CP3B3
ECTS : 1

DURATION

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

Project :
Personnal work :

ASSESSMENT

Report + Oral presentation

TEACHING MATERIALS

LANGUAGE

English

CONTACT

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UE : BATIMENT-ENERGIE

COURSE : PROJECT S-III

SCOPE OF THE COURSE

OBJECTIVES

Engineer's life simulator. Students must demonstrate not only their ability to solve a technical problem but also to manage this resolution within constrained conditions (time, resources, team).

COMPETENCE AND SKILLS

- **Project Management Mastery** : knowing how to plan, steer, and monitor a project (defining a specifications document, managing a Gantt chart, identifying risks, and meeting deadlines)
- **Technical Application** : applying the 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, assign tasks, manage group interactions, and work effectively in a team
- **Autonomy and Initiative** : being able to research information, learn new tools, and make decisions to overcome obstacles without passively waiting for solutions
- **Professional Communication** : knowing how to document the project (reports) and present the work (oral defenses), justifying technical choices and the approach clearly and convincingly

PROGRAM

1. Introduction to project management : drafting the specifications document, task breakdown, scheduling (Gantt chart), risk identification.
2. Technical implementation : designing, modeling, or implementing a solution (prototype, software, or study) by leveraging scientific knowledge.
3. Collaborative organization : role assignment, coordinating contributions, using shared work tools, and progress meetings.
4. Developing autonomy : researching information, mastering new tools, overcoming technical obstacles, and making reasoned decisions.
5. Professional communication : structured report writing and preparing an oral defense presenting the approach and technical choices.

BIBLIOGRAPHY

REQUIREMENTS

Entire CPI Training Program