

IDENTIFICATION

Course code : ESI-SPI-CI-AG4-S8-UE2-EC1
ECTS : 1

DURATION

Lectures : 0
Tutorial classes : 4
Labs : 10
Total : 14

Project :
Personnal work :

ASSESSMENT

deliverables and presentations

TEACHING MATERIALS

Mission support, data, guides, reports...

LANGUAGE

English

CONTACT

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Modifié le : 14 juillet 2026

UE : UE8-R

COURSE : Innovation competition

SCOPE OF THE COURSE

OBJECTIVES

This course aims to develop students' ability to successfully complete, in groups (7 to 12 students), an innovation project involving problem-solving, continuous improvement, or the design of new breakthrough solutions, while considering sustainability challenges.

COMPETENCE AND SKILLS

mobilizing and combining tools related to innovation methodology acquired in the resources, learning to learn (completing tools...), working in a project group (shared reflexivity, autonomy, time and stress management...), communicating and convincing

PROGRAM

Downstream innovation : Prototyping, feasibility, launch

BIBLIOGRAPHY

Nauman, E.B. (2008). Chemical Reactor Design, Optimization, and Scaleup. Wiley-AIChE.

REQUIREMENTS

— Mathematics : Simple differential equations and integral calculus.