

IDENTIFICATION

Course code : E3AG5QH2
ECTS : 1

DURATION

Lectures : 2
Tutorial classes : 10
Labs : 0
Total : 12

Project :
Personnal work :

ASSESSMENT

Project-based learning (solving a problem)
Oral presentation Submission of a report

TEACHING MATERIALS

Course materials Case studies

LANGUAGE

English

CONTACT

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UE : UE5-QHSE

COURSE : Methodology for Problem Analysis and Resolution

SCOPE OF THE COURSE

OBJECTIVES

Master a set of methods and tools for analyzing a situation to be improved and formalizing an appropriate action plan.

COMPETENCE AND SKILLS

— Apply methodologies suited to project management and problem-solving

PROGRAM

— Problem-solving methods : DMAIC, A3, 8D — Associated methods and tools : Brainstorming, QQQCCP, Pareto, Cause-and-effect diagram, 5 Whys, fault tree, solution tree, decision matrix, weighted voting, Gantt chart, SMART objectives/indicators
Case study : in groups of 4/5 students

BIBLIOGRAPHY

Rémi Bachelet - MOOC MARP <https://gestiondeprojet.pm/>

REQUIREMENTS

None