S3MSI460
PROJECT MANAGEMENT: TOOLS AND TECHNIQUES

Number of ECTS credits : 3
Course language : Anglais
Course leader : BERNARDIN Emmanuelle
Speakers : HÖGBERG Anne-Christine

☰ COURSE DESCRIPTION

This course provides an introduction to Project Management, which is now used not only to manage technical and business developments, but also as a method of organizational change. The course focuses on the implementation of the PMI method, including the definition of project objectives, structuring, risk analysis and planning.

☰ COURSE OBJECTIVES

At the end of this course, students will be able to develop a project development plan and understand its implications for the organization. They will also get technical expertise through the use of MS Project.

☰ LEARNING OBJECTIVES

C4B learning goal	LG1 - Analysis
C4B learning objective	LO3 - Use cross-disciplinary approaches
Outcomes	Lev. 0 - NC

C4B learning goal	LG2 - Action
C4B learning objective	LO5 - Evaluate, prevent and manage short, medium and long-term risks
Outcomes	Lev. 0 - NC

C4B learning goal	LG3 - Entrepreneurship and Innovation
C4B learning objective	LO7 - Identify needs and draw up an appropriate offer
Outcomes	Lev. 0 - NC

☰ TACKLED CONCEPTS

The concepts covered include project management techniques, such as structuring, planning, risk analysis, project monitoring and control.

☰ LEARNING METHODS

This course is composed of in-class sessions.

☰ ASSIGNMENTS

Project preparation report.

☰ BIBLIOGRAPHY

Recommended material: Bernardin, E (2019) A Human-Centered Approach of Organizational Project Management, Lulu Ed.
direct link: http://www.lulu.com/shop/emmanuelle-marie-bernardin/a-human-centered-approach-of-organizational-project-management/paperback/product-24087944.html

☰ EVALUATION METHODS

50 % : Contrôle continu
50 % : Examen

☰ SESSIONS

1 **Introduction**
LECTURE : 03h00

Every project starts with an idea. This idea must be developed and refined to establish clear and relevant objectives and demonstrate the feasibility of the project. This analysis is the first step in the preparation of a project.

2 **Project breakdown**
LECTURE : 03h00

Once the project feasibility has been validated, the preparation phase can really begin. This session is devoted to the organization of the tasks to be performed.

3 **Project stakeholders**
COMPUTER LAB : 03h00

Project planning is often carried out using software, but these tools are often misused due to a lack of understanding of the method. This session explains the concepts of Gantt and task networking and allows you to get to grips with MS Project software.

4 **Risk management**
LECTURE : 03h00

This session discusses qualitative and quantitative risk management.

5 **Risks management**
LECTURE : 03h00

This session discusses qualitative and quantitative risk management.