

PROJECT MANAGEMENT

ABM2 S3

24 hrs

Number of credits : 3

Language of instruction: English

Course leader: BERNARDIN Emmanuelle

Teacher : BERNARDIN Emmanuelle

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 fundamental of project management, including the definition of project objectives, structuring, risk analysis and planning.

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COURSE OBJECTIVE

At the end of this course, students will be able to develop a project development plan and assess its feasibility. They will be able to implement a simple method and adjust it to organizational constraints.

They will also get technical expertise through the use of MS Project.

LEARNING OBJECTIVES

C4B learning goal LG1 - Analysis

C4B learning objective LO3 – Adopt transdisciplinary approach

Outcomes Lev. 2 - Select correct disciplinary fields

C4B learning goal LG2 - Action

C4B learning objective L14 – Work in a team

Outcomes Lev. 1 – Contribute to a collective production

TACKLED CONCEPTS

Managerial concepts: impact on organization when managing with projects; role of project manager and characteristics of project team.

Technical concepts: PMI project management tools, such as WBS, planning, project cost management, project risk management, project monitoring and control.

LEARNING METHODS

The sessions are divided into 2 phases: presentation and discussion of the concepts covered, then implementation through a project. Project management is by definition a group effort, so the work on the case is team-based.

EXPECTED WORK AND EVALUATION

Continuous assessment: Project presentation and report (50%)

Exam : MCQ (50%)

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BIBLIOGRAPHY

Bernardin E. « A human-centered approach of project management », Lulu (Ed.) 2019.

□ SESSIONS

1	Project and organizations: LECTURE & CASE STUDIES & EXERCISES : 02h00 This session is about introducing the concept of Projects and its use as a management method. In particular, we will examine the difficulty of setting up a temporary organization in a permanent structure.
2	Comparison of methods: LECTURE & CASE STUDIES & EXERCISES : 02h00 In this session we will compare traditional and Agile approaches in Project management, such as PMI approach, Scrum and Kanban.
3	Project Definition and Scope: LECTURE & CASE STUDIES & EXERCISES : 02h00 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.
4	Project structuration (1/2): LECTURE & CASE STUDIES & EXERCISES : 02h00 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 through two approaches: the development of a WBS when using a traditional approach, and the development of user stories when using an agile approach (scrum).
5	Project structuration (2/2): LECTURE & CASE STUDIES & EXERCISES : 02h00 During this session, students will work on their project structuration, coached by the instructor.
6	Project Plan development on Ms Project (1/2): LECTURE & CASE STUDIES & EXERCISES : 02h00 Project planning is often carried out using softwares, but these tools are usually misused due to a lack of understanding of the method. This session explains the concepts of Gantt and PERT and allows students to get the basics of MS Project
7	Project Plan development on Ms Project (2/2) LECTURE & CASE STUDIES & EXERCISES : 02h00
8	Project risks management : LECTURE & CASE STUDIES & EXERCISES : 02h00 We will discuss qualitative and quantitative risk management, and how to set up a contingency plan.
9	Financial estimates and reporting : LECTURE & CASE STUDIES & EXERCISES : 02h00 This session will be devoted to the financial follow-up of the project, through tools such as EVM.

10	Role of Project Managers : LECTURE & CASE STUDIES & EXERCISES : 02h00
	Project managers have to deal with very diverse teams. This session addresses the recognized characteristics of good leaders and how they can deal with the specificities of Project teams
11	Project team management LECTURE & CASE STUDIES & EXERCISES : 02h00
	Following the session on Project managers, this session addresses the individual characteristics of project team members and their role in the team.
12	Projects presentations : EXERCICES : 02h00 Presentation of projects by students and debriefing.