US172Y - Project Management Fundamentals

Mis à jour le 27-08-2026

Code : US172Y

Unité spécifique de type mixte

4 crédits

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Présentation

Prérequis

Master in Management M2 group: Transversal course

Objectifs pédagogiques

Project management is the application of knowledge, skills, tools and techniques to project activities to meet project requirements.

Project management is accomplished through the appropriate application of the 47 project management processes categorized into five process groups: Initiating, Planning, Executing, Monitoring & Controlling and Closing.

This course is a unique experience to understand and experiment these processes. It will provide key practical knowledge for managers to help them to review project plans and project execution reports.

This course provides managers practical knowledge to allow them to plan projects and to control project execution. It provides also a learning experience in order to make students accept and retain the principal ideas and the philosophy behind.

It is also an illustration of the project in its internal environment, describing the Project Management Life Cycle in terms of human resources management and process's organization.

At the end of the course, students are expected:

1. To retain the most important academic knowledge and the main idea of the project management
2. To acquire tools and frame document that they could use to make decisions in their future projects
3. To take pleasure with the serious game and to appreciate this learning experience
4. To understand important values and attitudes of the project manager

Programme

Contenu

Introduction

Project Management Overview

Serious Game: Groups creation, Game introduction and goals, First steps on the Initiation phase on the simulation

Deliverable: Project proposal report and Debriefing

Serious Game: Initiation phase on the simulation

Serious Game : First steps on the Planning phase

Serious Game : Planning phase

Deliverable : Gantt chart (on the game and on a real PM tool), Budget At Completion (BAC)

Serious Game : Planning phase

Deliverable : Resources assignment, Critical Chain analysis

Steering committee – presentation and debriefing

Serious Game : Planning phase

Deliverable : Risk analysis, Critical Path diagram

Steering committee – presentation and debriefing

Serious Game : First steps on the Execution phase

Serious Game : Execution phase

Steering committee – presentation and debriefing

Serious Game : Execution phase

Deliverable : Steering committee presentation and Debriefing

Serious Game : Closure phase

Final Exam:

Modalités de validation

- Contrôle continu
- Projet(s)
- Examen final

Description des modalités de validation

Composition of final grade :

- Behavior & involvement
- Serious game deliverables
    - These deliverables will be:
        - Reports (Project Proposition presentation, Steering committee presentation)
        - Planning presentation (Gantt chart)
        - Decision tools (Budget at completion calculation, critical chain analysis, risk analysis, critical path)
- Lessons learned presentation