The objective of this course is to provide a complete overview on the major tools of project management methods. Each tool is deeply analyzed and connected to the situation and best time to be efficiently used. Main tools: WBS, Planing, Risk matrix, cost evaluation, business case.

Prerequisites
- Master level

Learning objectives
After completing this course, participants will be able to:
- Link the project to the overall strategy of the company;
- Organize and launch the project;
- Know the different roles of actors to be involved in a project team;
- Understand the tools, technics and methods to implement and manage projects;
- Make progress report to a Project leader including time, cost, targeted performance;
- Assess risks and provide solutions in case of unanticipated issues;
- Adapt those tools, technics and methods to the characteristics of the project.
Course content
The global approach to implement Project Management tools, technics and methods
The Three axis of Project Management: the TOC model
The success Criteria
Types of projects
The straw game

**The Project management fundamentals:**
Objectives, Rules of the game, Plans
Organization

**Roles and Responsibilities:**
Project Sponsor, Project Manager, Project Steering Committee, Project Leader;
Milestoning: the decision matrix
PMO Project Management Office

**The project phases:**
Definition - Planning - Development - Deployment - Post-mortem

**The project management tools:**
WBS
Project scheduling: PERT and Gantt, The 45° curve
Resource management
Cost and cash management.

Teaching methods

<table>
<thead>
<tr>
<th>Teaching methods</th>
<th>Yes</th>
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<tbody>
<tr>
<td>Lectures / tutorial</td>
<td>X</td>
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<tr>
<td>Collaborative learning</td>
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<td>Flipped classroom</td>
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<td>Blended learning (online and face to face)</td>
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<td>Learning by doing</td>
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<td>Project-based</td>
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<td>Simulation</td>
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<td>Case study</td>
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Assessment
- Individual report
- Reports in groups