PM470 - Project Management fundamentals
From the Advanced Master APM (Aerospace Project Management)

Key elements
Dates: October 17 to 21, 2022
Duration: 30 hours
For whom: recent graduates, jobseekers and experienced employees
Location: ISAE-SUPAERO, Toulouse
Course fees: €2,300
Language: English

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.

Highlights
- Global overview of project management
- Operational and pragmatic tools
- Concrete examples from the industry

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.

Practical information and registration
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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;
Milestoneing: 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>
<td>X</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