PM470 - Project Management fundamentals

From the Advanced Master APM (Aerospace Project Management)

Key elements

Period: **Mid-October**

Estimated duration: **30 hours**

For whom:
recent graduates, jobseekers and experienced employees

Location: **ISAE-SUPAERO, Toulouse**

Language: **English**

Highlights

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

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.

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.

Prerequisites

- Master level

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;
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

Teaching methods	Yes
Lectures / tutorial	X
Collaborative learning	
Flipped classroom	
Blended learning (online and face to face)	
Learning by doing	X
Project-based	
Simulation	
Case study	

Assessment

- Individual report
- Reports in groups