

# PM470 - Project Management fundamentals

From the Advanced Master APM (Aerospace Project Management)



## Highlights

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

## 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.

## 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;

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