



1IN2000 – Project Management - The Fundamentals

Instructors: Ludovic-Alexandre VIDAL

Department: DÉPARTEMENT SCIENCES HUMAINES ET SOCIALES, SCIENCES ENTREPRISE

Language of instruction: FRANCAIS, ANGLAIS

Campus: CAMPUS DE PARIS - SACLAY

Workload (HEE): 10

On-site hours (HPE): 6,00

Description

Master the basic concepts and tools of project management.

Quarter number

SG1

Prerequisites (in terms of CS courses)

none

Syllabus

- Understanding the project management process, the different phases of a project and project management vocabulary.
- Identifying project stakeholders, objectives, deliverables and value creation.
- Build a project organisation with a task-oriented architecture (WBS).
- Plan a project in terms of Schedule and know the associated concepts (free and total floats, critical path, PERT and Gantt models,...).
- Plan the resources and costs of a project (workload diagram, project budget,...).
- Identify, analyse and control project risks.

Class components (lecture, labs, etc.)

Class with industrial and student project examples. Edunao exercise.

Grading

Pass/Fail validation.

Course support, bibliography

PROJECT MANAGEMENT INSTITUTE. (2004). A guide to the project management body of knowledge (PMBOK guide). Newtown Square, Pa, Project Management Institute.

FRANCK MARLE, LUDOVIC-ALEXANDRE VIDAL (2016). Managing Complex,



High Risk Projects. A Guide to Basic and Advanced Project Management.
Springer.

Resources

- Teacher : Ludovic-Alexandre VIDAL, maybe some industrial practitioners.
- Software : Microsoft Project.

Description of the skills acquired at the end of the course

- Understanding the project management process, the different phases of a project and project management vocabulary.
- Identifying project stakeholders, objectives, deliverables and value creation.
- Build a project organisation with a task-oriented architecture (WBS).
- Plan a project in terms of Schedule and know the associated concepts (free and total floats, critical path, PERT and Gantt models,...).
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