

Module Description

Advanced Project Management

General Information
Number of ECTS Credits

3

Abbreviation

CM_AdvProjMgmt

Version

2014.05.31

Responsible of module

Paolo Pedrazzoli, SUPSI

Language

	Lausanne	Bern	Zürich	Lugano/Manno
Instruction	<input type="checkbox"/> E <input type="checkbox"/> F	<input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F	<input type="checkbox"/> D <input type="checkbox"/> E	<input checked="" type="checkbox"/> E
Documentation	<input type="checkbox"/> E <input type="checkbox"/> F	<input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F	<input type="checkbox"/> D <input type="checkbox"/> E	<input checked="" type="checkbox"/> E
Examination	<input type="checkbox"/> E <input type="checkbox"/> F	<input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F	<input type="checkbox"/> D <input type="checkbox"/> E	<input checked="" type="checkbox"/> E

Module category

- Fundamental theoretical principles
- Technical/scientific specialization module
- Context module

Lessons

- 2 lecture periods and 1 tutorial period per week
- 2 lecture periods per week

Brief course description of module objectives and content

The goals of an organization can be efficiently pursued only through proper project management, as a mean able to consistently tackle their needs. Thus the role of the Project Manager become essential, as responsible to achieve the objectives, respecting the constraints determined by the project context. Modern Project Managers must have in-depth technical and management knowledge.

The course provides the students with the main tools and methods to manage projects and to analyse the organizational context, to provide useful information that can translate into organizational improvements and increased efficiency in the pursuit of business objectives. The course gives also the opportunity to certificate the knowledge acquired in project management with the CAPM certification (Certified Associated in Project Management) provided by the PMI (Project Management Institute).

Aims, content, methods
Learning objectives and acquired competencies

- understand the project management lexicon to communicate in a correct way
- provide theoretical and practical knowledge for proper and integrated project management
- define the project plans to plan and manage the project
- define the project life cycle to improve the project strategy
- define the main tools and techniques to manage the project
- define the processes and the related work flow for an efficient project management
- understand the power of knowledge to improve the results of the organization

Contents of module with emphasis on teaching content

- Project introduction to understand the context
- Terminology introduction to use a common lexicon
- Scope and objectives definition to define requirements, assumptions and constraints
- Definition and use of the WBS (Work Breakdown Structure) to define the main components of the project
- Time management to define project activities, critical path and project schedule
- Cost management to define project budget and the project contingency
- Control management to protect the plans with the Earned Value Management System

Teaching and learning methods

Front lessons – to better understand the content of the lessons: best practices and exercises

Test Case – to be developed in little group or by themselves

Content Test – to understand the knowledge of the concepts of the previous lessons

Project work – to develop a project in little group applying the contents of the lessons

Prerequisites, previous knowledge, entrance competencies

Basic Knowledge in Project Management

Literature

PMI (2012), PMBOK V. ed., PMI

IPMA (2007), ICB v.3.0, IPMA

A. Bassi (2009), „Gestire l'innovazione nelle PMI, Franco Angeli

A. Bassi, M. Sampietro, T. Villa (2011), Lavorare per progetti, ETAS

R. Mulkay (2012), PMP Exam Prep, RMC

Assessment**Certification requirements for final examinations (conditions for attestation)**

Positive evaluation of a Project Work (1/3 of final mark)

Written module examination

Duration of exam : 120 minutes

Permissible aids: Books, notes, calculator. No communication devices.