

Module Description, available in: EN

Advanced Project Management

General Information

Number of ECTS Credits

3

Module code

CM_AdvProjMgmt

Valid for academic year

2020-21

Last modification

2018-11-06

Coordinator of the module

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Explanations regarding the language definitions for each location:

- Instruction is given in the language defined below for each location/each time the module is held.
- Documentation is available in the languages defined below. Where documents are in several languages, the percentage distribution is shown (100% = all the documentation).
- The examination is available 100% in the languages shown for each location/each time it is held.

	Lausanne			Lugano	Zurich		
Instruction				X E 100%			
Documentation				X E 100%			
Examination				X E 100%			

Module Category

CM Context module

Lessons

2 lecture periods and 1 tutorial period per week

Entry level competences

Prerequisites, previous knowledge

Basic Knowledge in Project Management

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 competencies to be acquired

- 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

Module content with weighting of different components

- 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

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

Module uses certification requirements

Certification requirements for final examinations (conditions for attestation)

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

Basic principle for exams

As a rule, all standard final exams are conducted in written form. For resit exams, lecturers will communicate the exam format (written/oral) together with the exam schedule.

Standard final exam for a module and written resit exam

Kind of exam

Written exam

Duration of exam

120 minutes

Permissible aids

No aids permitted

Special case: Resit exam as oral exam

Kind of exam

Oral exam

Duration of exam

30 minutes

Permissible aids

No aids permitted