

Project Management (F000707)

Course size (nominal values; actual values may depend on programme)

Credits 6.0 Study time 180 h Contact hrs 45.0 h

Course offerings and teaching methods in academic year 2018-2019

A (semester 1)	English	seminar: practical PC room classes	3.75 h
		practicum	7.5 h
		lecture	33.75 h

Lecturers in academic year 2018-2019

Vanhoucke, Mario	EB24	lecturer-in-charge
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Offered in the following programmes in 2018-2019

	crdts	offering
Master of Science in Business Economics (main subject Accountancy)	6	A
Master of Science in Complementary Studies in Business Economics (main subject Business Economics)	6	A
Master of Science in Business Economics (main subject Corporate Finance)	6	A
Master of Science in Business Engineering (main subject Data Analytics)	6	A
Master of Science in Business Engineering (main subject Finance)	6	A
Master of Science in Business Economics (main subject Marketing)	6	A
Master of Science in Business Engineering (main subject Operations Management)	6	A
Master of Science in Physical Education and Movement Sciences (main subject Sports Policy and Sports Management)	6	A
Master of Science in Economics	6	A
Exchange programme in Economics and Business Administration	6	A
Postgraduate programme in Innovation and Entrepreneurship in Engineering	6	A

Teaching languages

English

Keywords

Project Management

Position of the course

The objective of this course is to familiarize students with the concepts and techniques of project management. Every engineer or economist will be faced with projects in her or his function. Some will act as project manager, others as member of a project team or as "customer" of a project. It is important to know the issues of managing and performing projects, as well as the techniques necessary to start and manage projects. During the course, concepts and techniques will be handled. The courses consists of theory, practical sessions and cases brought by project managers. One full session will be spent on the introduction to the investigation of project planning.

Contents

The course deals with the concepts and techniques of project management and change management. The following themes will be discussed:

- Project characteristics
- Project life cycle

- Project teams and project organisation
- Project scheduling: PERT & CPM
- Resource allocation in projects
- Theory of constraints in project management
- Financial aspects in project scheduling
- Real-life cases (VMW and Westerscheldetunnel)
- Advanced topics in research: project scheduling
- Risk management
- Project monitoring

Initial competences

None.

Final competences

- 1 Making a project schedule and give an interpretation.
- 2 Understand the relations between different scheduling techniques.
- 3 Understand the principles of 'theory of constraints' in project management.
- 4 Performing a risk analysis on the project schedule
- 5 Measuring the project progress and interpreting the outcome

Conditions for credit contract

Access to this course unit via a credit contract is unrestricted: the student takes into consideration the conditions mentioned in 'Starting Competences'

Conditions for exam contract

This course unit cannot be taken via an exam contract

Teaching methods

Group work, lecture, practicum, seminar: practical PC room classes

Extra information on the teaching methods

The course is a mixture of theoretical sessions, exercises, and presentations by project managers who share their experience with project work. During some of the exercise session project planning software will be used.

Learning materials and price

Handbook Academia Press
The slides
Relevant articles Cost: 15 EUR

References

Vanhoucke, M., 2012, "Project management with dynamic scheduling: Baseline scheduling, risk analysis and project control", Springer, pp. 310 (ISBN 978-3-642251-74-0).

Course content-related study coaching

Extra course slides and research papers will be available by the internet.

Evaluation methods

end-of-term evaluation and continuous assessment

Examination methods in case of periodic evaluation during the first examination period

Written examination

Examination methods in case of periodic evaluation during the second examination period

Written examination

Examination methods in case of permanent evaluation

Oral examination, assignment

Possibilities of retake in case of permanent evaluation

examination during the second examination period is possible

Extra information on the examination methods

The exam consists of two parts: A written exam (closed book) and a groupwork. The groupwork consists of writing a report and giving a presentation on a topic related to the topics discussed in the course.

Calculation of the examination mark

Permanent evaluation (50%) and periodic evaluation (50%).