

Project Management (F000707)

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

Credits 6.0

Study time 180 h

Course offerings and teaching methods in academic year 2024-2025

A (semester 1)

English

Gent

practical

lecture

seminar

Lecturers in academic year 2024-2025

Vanhoucke, Mario

EB24

lecturer-in-charge

Offered in the following programmes in 2024-2025

crdts

offering

Master of Science in Teaching in Economics(main subject Business Economics)

6

A

Master of Science in Business Economics (main subject Accountancy)

6

A

Master of Science in Business Economics (Double Degree)(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 (Double Degree)(main subject Corporate Finance)

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 (Double Degree)(main subject Data Analytics)

6

A

Master of Science in Business Engineering (Double Degree)(main subject Finance)

6

A

Master of Science in Business Engineering(main subject Finance)

6

A

Master of Science in Business Economics (Double Degree)(main subject Marketing)

6

A

Master of Science in Business Economics (main subject Marketing)

6

A

Master of Science in Business Engineering (Double Degree)(main subject Operations Management)

6

A

Master of Science in Business Engineering(main subject Operations Management)

6

A

Master of Science in Pharmaceutical Engineering

6

A

Exchange programme in Economics and Business Administration

6

A

Postgraduate Programme in Innovation and Entrepreneurship in Engineering – Advanced

6

A

Postgraduate Programme in Innovation and Entrepreneurship in Engineering – Foundations

6

A

Elective Set Business Economics

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

(Approved)

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
- Risico 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

Seminar, Lecture, Practical

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.

Study material

Type: Handbook

Name: Boek "Dynamic Scheduling"

Indicative price: € 55

Optional: yes

Author : Mario Vanhoucke

ISBN : 978-3-64240-437-5

Available through Student Association : Yes

Type: Slides

Name: Book with slides and case study

Indicative price: € 20

Optional: no

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.

Assessment moments

end-of-term and continuous assessment

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

Written assessment, Assignment

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

Written assessment, Assignment

Examination methods in case of permanent assessment

Oral assessment, Assignment

Possibilities of retake in case of permanent assessment

examination during the second examination period is possible

Extra information on the examination methods

The evaluation consists of two parts: A written exam (closed book if on campus or open book if the exam is an individual coursework) and a group work. The group work 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%).