GHENT UNIVERSITY

Course Specifications

Valid as from the academic year 2020-2021

Cross-Course Project (E099030)

Due to Covid 19, the education and evaluation methods may vary from the information displayed in the schedules and course details. Any changes will be communicated on Ufora.

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

Credits	6.0	Study time	180 h	Contact hrs	60.0 h

Course offerings and teaching methods in academic year 2020-2021

A (semester 2)	Dutch	Gent	project	50.0 h
			guided self-study	10.0 h
B (semester 2)	English		guided self-study	10.0 h
			project	50.0 h

Lecturers in academic year 2020-2021

Neyts, Kristiaan	TW06	lecturer-in-charge
Botteldooren, Dick	TW05	co-lecturer
Leys, Christophe	TW17	co-lecturer

Offered in the following programmes in 2020-2021	crdts	offering
Bachelor of Science in Engineering (main subject Engineering Physics)	6	A
Bachelor of Science in Engineering Physics	6	A
European Master of Science in Nuclear Fusion and Engineering Physics	6	B
European Master of Science in Nuclear Fusion and Engineering Physics	6	B

Teaching languages

Dutch, English

Keywords

Project, cross-disciplinary, team work, oral and written report

Position of the course

The project has the intention to put the students to work in small groups in order to solve a problem that is new for them and that requires skills from different earlier courses. Special attention is also devoted to communication skills (oral and written report) and to teamwork.

Contents

- Organisation and preparation
- Project execution
- Reporting

Initial competences

As defined in the Curriculum Rules of the Faculty of Engineering and Architecture (http://www.ugent.be/ea/en/for-degree-students/your-studies-in-ghent/study-programme.htm), this course unit can only be taken as the last course unit in the bachelor's programme. This course unit builds on the learning outcomes of the previous course units of the bachelor's programme.

Final competences

1 Write the goal, background, results and conclusions of a project in a written report.
2 Present the results of a project in a scientific and captivating way.
3 Make links between different knowledge domains.
4 Work in a team, plan and execute tasks in a project.
5 Find information in the literature.

Conditions for credit contract

This course unit cannot be taken via a credit contract

Conditions for exam contract

This course unit cannot be taken via an exam contract

Teaching methods

Guided self-study, project, online group work, online project

Extra information on the teaching methods

Introduction to project management.
Setting up a project plan.
Autonomous work in groups supervised by research assistents and professors.
Half term and final defence of project results.

Learning materials and price

References

Literature will be made available for every specific project.

Course content-related study coaching

Each student groep is supervised by a research assistents. Periodic discussion of the results with the professors that supervise the projects.

Evaluation methods

continuous assessment

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

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

Examination methods in case of permanent evaluation

Oral examination, report

Possibilities of retake in case of permanent evaluation

examination during the second examination period is possible in modified form

Extra information on the examination methods

During semester: graded project reports; graded oral presentation. Frequency: Throughout semester.

Calculation of the examination mark

The student is evaluated on the basis of daily work, project report and oral presentation.