GHENT UNIVERSITY

Course Specifications

Valid as from the academic year 2023-2024

Cross-Course Project (E099050)

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

Credits 6.0 **Study time 180 h**

Course offerings in academic year 2024-2025

A (semester 2)	Dutch	Gent

Lecturers in academic year 2024-2025

De Paepe, Michel	TW08	lecturer-in-charge
Degroote, Joris	TW08	co-lecturer
Lataire, Evert	TW15	co-lecturer
Loccufier, Mia	TW08	co-lecturer
Vansompel, Hendrik	TW08	co-lecturer
Vermeulen, Michel	TW08	co-lecturer

Offered in the following programmes in 2024-2025	**crdts**	**offering**
Bachelor of Science in Engineering(main subject Electromechanical Engineering)	6	A

Teaching languages

Dutch

Keywords

teamwork, oral and written report, sustainability, planning and task management
2.14.0.0

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 focus is put on sustainable development. Special attention is also devoted to communication skills (oral and written report) and to teamwork.

Contents

- Introduction to the United Natitions Sustainable Development Goals (SDGS)
- Making a Multi Level Perspective(MLP) analysis on a sustainable topic
- Project realization
- 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

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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

Group work, Seminar, Lecture, Independent work

Extra information on the teaching methods

Lecture: introduction and MLP methodology
MLP methology via coached session
Witing MLP paper in groups
Design and construction of a sustainlble technical realisation in group

Study material

None

References

Course content-related study coaching

Assessment moments

continuous assessment

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

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

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 in modified form

Extra information on the examination methods

During semester: graded project reports; graded oral presentation.

Calculation of the examination mark

Rubric available for weighted average for reports, MLP paper, presentation and design targets