

## 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 2025-2026**

A (semester 2)

Dutch

Gent

**Lecturers in academic year 2025-2026**

De Paepe, Michel

TW08

lecturer-in-charge

Degroote, Joris

TW08

co-lecturer

Lataire, Evert

TW15

co-lecturer

Loccufier, Mia

TW08

co-lecturer

Vansompele, Hendrik

TW08

co-lecturer

Vermeulen, Michel

TW08

co-lecturer

**Offered in the following programmes in 2025-2026**

[Bachelor of Science in Engineering\(main subject Electromechanical Engineering\)](#)

**crdts**

6

**offering**

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 Nations 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**

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9

**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 methodology via coached session

Writing MLP paper in groups

Design and construction of a sustainable technical realisation in group

**Study material**

Type: Slides

Name: Slides during lectures and by supervisors

Indicative price: Free or paid by faculty

Optional: no

Language : Dutch

Available on Ufora : Yes

Type: Other

Name: Instructions for reports, presentations + templates

Indicative price: Free or paid by faculty

Optional: no

Language : Dutch

Available on Ufora : Yes

**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