

## Cross-Course Project (E099050)

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.

<b>Course size</b>	<i>(nominal values; actual values may depend on programme)</i>			
<b>Credits</b> 6.0	<b>Study time</b> 180 h	<b>Contact hrs</b>	60.0 h	
<b>Course offerings and teaching methods in academic year 2022-2023</b>				
A (semester 2)	Dutch	Gent	project	45.0 h
<b>Lecturers in academic year 2022-2023</b>				
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	
<b>Offered in the following programmes in 2022-2023</b>			<b>crdts</b>	<b>offering</b>
<a href="#">Bachelor of Science in Engineering (main subject Electromechanical Engineering)</a>			6	A

### Teaching languages

Dutch

### Keywords

project, teamwork, oral and written report, sustainability

### 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

### 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, lecture, project, seminar, self-reliant study activities

**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

**Learning materials and price****References****Course content-related study coaching****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.

**Calculation of the examination mark**

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