

# Course Specifications

Valid as from the academic year 2020-2021

## Bachelor Thesis (E731035)

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 51.0 h

Course offerings and teaching methods in academic year 2020-2021

A (year)	Dutch	Gent	bachelor's dissertation	51.0 h
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Lecturers in academic year 2020-2021

Lambrecht, Stefaan	TW05	lecturer-in-charge
Pollefliet, Leen	TW05	co-lecturer

Offered in the following programmes in 2020-2021

	crdts	offering
<a href="#">Bachelor of Science in Engineering Technology (main subject Electronics and ICT Engineering Technology)</a>	6	A

Teaching languages

Dutch

Keywords

Project work, prestudy, research, sustainability, teamwork, oral and written report

Position of the course

During this component the student will use the skills and knowledge from different courses and try to apply them to new problems. The student will be put to work individually and in groups.

In this, a thorough prestudy in which every student must analyse the entire project and create a literature review. A schedule must be created dividing everything into subtasks and integrating all the various aspects into one functional whole. The design takes into account aspects of sustainability.

The results presentation is based on the communication skills learned, these will be discussed during a lecture relevant to the course component.

The topics offered relate to both existing and new technologies in the field of electronics and ICT, especially wireless communications, image processing and biomedical electronics.

Contents

- Individual prestudy of the entire project, including literature review
- Planning the project
- Project work under supervision (individual subtasks)
- Integration of different functional parts
- In 'Communication - Part 4 - Writing, final work' students learn what the main features are of a final work, e.g. a bachelor dissertation. Following items are discussed: the correct language, the professional, objective and academic style of writing, the structure, the various parts, the possible reference styles and the layout. The different steps of the writing process are repeated (Communication - part 2 in 1 ba). The layout, language and writing style of an academic poster are explained.
- Interim defence of the project
- Poster presentation
- Final defence
- Final report

Initial competences

All courses from previous semesters.

## Final competences

- 1 Analysis and planning of a project
- 2 Working in groups.
- 3 Presentation of project development , -results and -solutions, orally and in writing.
- 4 The use of creativity, self-motivation and team spirit when executing a project.
- 5 The students are able to write a final work, e.g. a bachelor dissertation and they pay attention to the various parts, the language, the writing style, the layout and the reference style.
- 6 Students can set up a proper academic poster.

## 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

Lecture, bachelor's dissertation

## Learning materials and price

Documentation on the project proposals on the electronic learning environment.

Book: Schrijven: van verslag tot eindwerk – do's & don'ts – Leen Pollefliet – published by Academia Press (was already bought in 1 bachelor) – latest edition includes web-based tool with video lessons and exercises.

Hand-outs of all slides on the electronic learning environment.

## References

## Course content-related study coaching

Each group (two or three students) has a fixed mentor.

## 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

Participation, 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

Communication – part 4 is linked to the bachelor dissertation. In the final quotation of the bachelor dissertation the structure (different parts), the language, the writing style and the correct reference style taken into account.

## Calculation of the examination mark

Non- periodical evaluation with the following distribution codes

1st session:

- 20 % Individual assessment on personal prestudy and report
- 20 % Continuous assessment during contact hours
- 10 % Group rating on poster
- 30 % Group rating on final report
- 20 % Presentation and demonstration

2nd session:

- 50 % report on additional individual assignment
- 50 % oral discussion and demonstration of additional individual assignment