GHENT UNIVERSITY

Course Specifications

Valid in the academic year 2024-2025

Research Internship (E099400)

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

Credits 6.0 **Study time 180 h**

Course offerings and teaching methods in academic year 2024-2025

A (Year)	English	Gent	work placement
B (Year)	English	Gent	work placement

Lecturers in academic year 2024-2025

Segers, Patrick	TWO6	lecturer-in-charge

Offered in the following programmes in 2024-2025	crdts	offering
Master of Science in Engineering: Architecture(main subject Architectural Design and Construction Techniques)	6	A, B
Master of Science in Electrical Engineering Technology(main subject Automation)	6	A, B
Master of Science in Electrical Engineering (main subject Communication and Information Technology)	6	A
Master of Science in Electrical Engineering Technology(main subject Electrical Engineering)	6	A, B
Master of Science in Electrical Engineering (main subject Electronic Circuits and Systems)	6	A
Master of Science in Industrial Engineering and Operations Research(main subject Manufacturing and Supply Chain Engineering)	6	A, B
Master of Science in Industrial Engineering and Operations Research(main subject Transport and Mobility Engineering)	6	A, B
Master of Science in Engineering: Architecture(main subject Urban Design and Architecture)	6	A, B
International Master of Science in Textile Engineering	6	A, B
Master of Science in Biomedical Engineering	6	A, B
Master of Science in Biomedical Engineering	6	A, B
Master of Science in Chemical Engineering	6	A, B
Master of Science in Chemical Engineering	6	A, B
Master of Science in Chemical Engineering Technology	6	A
Master of Science in Civil Engineering	6	A, B
Master of Science in Computer Science Engineering	6	A, B
Master of Science in Computer Science Engineering	6	A, B
Master of Science in Electromechanical Engineering Technology	6	A, B
Master of Science in Engineering Physics	6	A
Master of Science in Engineering Physics	6	A
Master of Science in Fire Safety Engineering	6	A, B
Master of Science in Industrial Design Engineering Technology	6	A, B
Master of Science in Industrial Engineering and Operations Research	6	A, B
Master of Science in Materials Engineering	6	A, B
Master of Science in Sustainable Materials Engineering	6	A, B

Teaching languages

English

Keywords

Internship, scientific research

Position of the course

- The aim of the internship is to gain practical experience in a research environment within one's own university or at a university or research institution in Belgium or abroad.
- Students must have sufficiently progressed in their programme and gained the necessary maturity to be able to successfully carry out the assignment within a research team.
- Students contact a research team of their choice with the request to carry out a research internship. The application is assessed by the team that decides to accept or decline the request (based on e.g. motivation of the student, excellence, availability of staff to support and supervise the internship, ...). It cannot be enforced to a research team to offer a research internship.
- Not all study programs offer the option of including the research internship within a diploma contract. Student must ascertain whether or not the subject can be included in their curriculum.
- By default, the internship is conducted during the summer months, but it can also be (partially) carried out outside of this period (during the academic year) if it does not conflict with class or exam activities. Internship during another period is possible with the explicit approval of the the faculty's internship committee.
- The modalities for the research internship are made explicit in the internship regulations: see www.ugent.be/ea/nl/onderwijs/stage.

Contents

- Duration:
  - 3 credits = minimum of 90 hrs (2,5 weeks x 5 days x 8hr = 90hr);
  - 6 credits = minimum of 180 hrs (4,5 weeks x 5 days x 8hr = 180hr)
- Time use and internship activities are documented in a concise logbook. Writing the scientific report can be part of the 90/180 hours for a maximum of 20 hours.
- The internship takes place within your own university or in another university or research institution in Belgium or abroad (if the internship takes place abroad, an additional registration in Oasis is required).
- The internship takes place physically within the research institution and cannot be carried out via teleworking.
- A research internship should generally be aimed at actively acquiring new skills, techniques, or answering a specific research question based on (own) data. Literature research can be part of the assignment to a limited extent (max 20%). Exceptions (eg internships in the field of architectural history or architectural theory) are individually motivated and submitted for approval to the internship committee and the relevant program committee.
- The results achieved during the internship are written down in an extensive scientific report, in accordance with the modalities as made explicit in the internship regulations (www.ugent.be/ea/en/for-degree-students/your-studies-in-ghent/traineeships).
- Results obtained in the context of the internship cannot be part of the student's master thesis. The student signs a declaration of honor.

Initial competences

Students have acquired the competences of a bachelor's degree in engineering, engineering: architecture, or engineering technology, depending on the study programme or main subject.

Final competences

1 Apply, under supervision, discipline-specific knowledge, competences and methodologies (specific to the study program or main subject) for solving a concrete scientific question and/or acquiring new technical-scientific skills
2 Operate in an organized, accurate and structured manner as a member of a team in a professional scientific environment.
3 Demonstrate a sense of creativity, personal initiative and critical reflection.
4 Report in writing on a scientific-technical subject with attention to language, structure and lay-out of the document
5 Report in writing on a scientific-technical subject with attention to scientific correctness, integrity and depth of content.

Conditions for credit contract

Access to this course unit via a credit contract is determined after successful competences assessment

Conditions for exam contract

This course unit cannot be taken via an exam contract

Teaching methods

Work placement

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

Assignment

Possibilities of retake in case of permanent assessment

examination during the second examination period is not possible

Extra information on the examination methods

Non-periodical evaluation: assessment of project reports

Calculation of the examination mark

Assessment by the internship supervisor (practical skills, personality traits, scientific results, scientific level) and promotor (scientific aspects and design of the report) via a score table. It is the promotor who gives the final score, taking into account the evaluation by the internship supervisor.