

Academic Internship (C004551)

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 (Year)

Dutch, English

Gent

Lecturers in academic year 2024-2025

Vindas Diaz, Jasson

WE16

lecturer-in-charge

Van Daele, Marnix

WE02

co-lecturer

Offered in the following programmes in 2024-2025

[Master of Science in Teaching in Science and Technology\(main subject Mathematics\)](#)

crdts

6

offering

A

[Master of Science in Mathematics](#)

6

A

Teaching languages

English, Dutch

Keywords

Internship, research.

Position of the course

During the internship, the students experience the work of a mathematician in a research group outside UGent, and experience how his knowledge can be applied.

The Internship is a situation of independent learning in a scientific context during a period of 160 hours, which corresponds to four weeks.

Contents

The students are introduced to applications of mathematics within a scientific context. They apply their theoretical knowledge, mathematical skills, and analytical ability to a concrete scientific problem.

Initial competences

Possessing an in-depth theoretical knowledge, methodological skills, and analytical skills within the research areas of the chosen research group.

Final competences

- 1 Project planning: formulate objectives, report targeted goals, and evaluate the progress of the project.
- 2 Ability to work in a team in a multidisciplinary environment.
- 3 Written and oral report about a scientific subject.
- 4 Act ethically and professionally.
- 5 Demonstrate perseverance, innovation, and a sense for creating value.
- 6 Master advanced knowledge of own discipline and apply it to complex problems.
- 7 Interpret results of this own research and that of others in an objective and critical way.

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

The student is responsible to search herself/himself for an internship within a research group outside UGent and then she/he goes through an approval process for the internship place. The student should also find a researcher from UGent (of at least postdoctoral level) whose research field is close to that of the internship and who is qualified to assess together with the lecturer the quality of the work done during the internship.

The students are insured for personal physical injuries and damage which might be caused to third parties during the internship. The internship contract is essential for this insurance. This contract should be completed and signed by all parties. This administrative procedure should therefore be completed before the actual start of the internship.

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

Professional practice, Participation, Presentation, Assignment

Possibilities of retake in case of permanent assessment

examination during the second examination period is possible

Calculation of the examination mark

The final score is determined based on an overall assessment of the different evaluation forms.