

Practical Training I (C003613)

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 7.0 Study time 210 h Contact hrs 150.0 h

Course offerings and teaching methods in academic year 2020-2021

| A (year) | Dutch | Gent | work placement | 150.0 h |
|----------|-------|------|----------------|---------|
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Lecturers in academic year 2020-2021

| Goossens, Rudi | WE12 | lecturer-in-charge |
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Offered in the following programmes in 2020-2021

| Master of Science in Geomatics and Surveying | crdts | offering |
|--|-------|----------|
| | 7 | A |

Teaching languages

Dutch

Keywords

Practical training, practice, geomatics.

Position of the course

A basic knowledge of all disciplines of geomatics is assumed. The aim of this course is to bring the theoretical knowledge in each of the fields of geomatics into practice.

Contents

Twenty days of practical training, on-site, preferably outside Ghent University, which allows to bring the theoretical knowledge in the field of geomatics into practice. This implies that at least in one field of geomatics (geodesy, GIS, informatics, surveying, photogrammetry, remote sensing, satellite positioning, real estate,...) important practical basic skills are developed (in open air or not), within a private company or government organisation.

Initial competences

Basic knowledge of geomatics (geodesy, GIS, informatics, surveying, photogrammetry, remote sensing, satellite positioning, real estate,...) (as is acquired by Bachelors in Geomatics).

Final competences

- 1 Students satisfy the requirements of the education profile for surveyors, based on the approved profession profile for surveyors.
- 2 To judge correctly the kind of surveying problem to solve.
- 3 To creatively apply the theoretical knowledge into new application fields.
- 4 To be able to evaluate different surveying strategies and to select the optimal approach to solve a specific topographic problem.
- 5 The capacity of motivating the differences, advantages and drawbacks of the different applicable surveying methodologies. The students have the capacity of explaining the differences between different solving methodologies.
- 6 To predict the accuracy of surveying task with a specific surveying instrument in combination with a specific surveying method.
- 7 To discern and to be able to optimise the factors that influence the reliability and accuracy of a surveying task and the resulting statistical-analytical data processing.

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

Extra information on the teaching methods

Training: On site. A training report has to be made and will be evaluated.

Learning materials and price

For the moment: none. In a later phase, a document with guidelines for the training report will be available. Price: None available.

References

An extended list of important books in Dutch, English, French and German available in the department's library. A complete bibliographical list can be found in the syllabus.

Course content-related study coaching

Students can appeal to the lecturer and exercise assistants, and to the study guides foreseen by the geography department every year and to the electronic platform Ufora.

Evaluation methods

end-of-term evaluation

Examination methods in case of periodic evaluation during the first examination period

Oral examination, report

Examination methods in case of periodic evaluation during the second examination period

Oral examination, report

Examination methods in case of permanent evaluation

Possibilities of retake in case of permanent evaluation

not applicable

Extra information on the examination methods

Written report of the training, whereby the report itself as well the content of the training will be evaluated. In addition, a presentation of the projects accomplished is required.

Calculation of the examination mark

The written report of the training is the basis for the evaluation, which can be corrected, if needed, in function of the quality of the presentation.

Facilities for Working Students

Option to submit the written report and to give the presentation on a different moment during the academic year.

Option for feedback, in mutual agreement, during or outside the usual office hours.