

## Geomatics Project (C003384)

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

Credits	5.0	Study time	150 h	Contact hrs	130.0 h
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Course offerings and teaching methods in academic year 2018-2019

A (year)	Dutch	project	130.0 h
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Lecturers in academic year 2018-2019

De Wulf, Alain	WE12	lecturer-in-charge
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Offered in the following programmes in 2018-2019

<a href="#">Master of Science in Geomatics and Surveying</a>	crdts	offering
	5	A

Teaching languages

Dutch

Keywords

Practical training, practice, geomatics

Position of the course

The aim of this course is to bring the theoretical knowledge in each of the fields of geomatics further into practice.

Contents

To execute an internship, surveying field campaign or project, on-site, which allows to bring the complex theoretical knowledge in the field of geomatics or geography into practice. This implies that at least in one field of geomatics (geodesy, GIS, informatics, surveying, photogrammetry, remote sensing, satellite positioning, real estate, ...) important, scientifically relevant and complex skills have to be developed (in open air or not), within a private company or government organisation.

Initial competences

Basic knowledge of geomatics or geography (geodesy, GIS, informatics, surveying, photogrammetry, remote sensing, satellite positioning, real estate,...)

Final competences

- 1 The knowledge to judge correctly the kind of problem to solve.
- 2 The ability to creatively apply the theoretical knowledge into new application fields.
- 3 The knowledge to evaluate different multi-disciplinary approaches.
- 4 The capacity of motivating the differences between different solving methodologies.
- 5 The capability to predict the problems that one is willing to encounter.
- 6 To master a problem.
- 7 To invent and apply the most appropriate scientific solution for a problem.

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

Project

Extra information on the teaching methods

Training/internship/field campaign on site. A training report has to be made and will be evaluated.

Learning materials and price

#### References

An extended list of important books in Dutch, English, French and German available in the department's library.

#### 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 Minerva.

#### 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, participation, report

Possibilities of retake in case of permanent evaluation

examination during the second examination period is possible

Extra information on the examination methods

Written report of the project, whereby the report itself as well the content of the training will be evaluated. In addition an oral evaluation can be added to the evaluation of the report.

Calculation of the examination mark

A single mark is given for the whole of written report and presentation.