

Physical Geography: Shaping the Earth Surface (C003868)

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 5.0 Study time 150 h Contact hrs 42.0 h

Course offerings and teaching methods in academic year 2020-2021

A (semester 2)	Dutch	Gent	seminar: coached	10.0 h
			exercises	
			lecture	22.5 h
			fieldwork	10.0 h

Lecturers in academic year 2020-2021

Frankl, Amaury WE12 lecturer-in-charge

Offered in the following programmes in 2020-2021

	crdts	offering
Bachelor of Arts in Archaeology	5	A
Bachelor of Science in Geography and Geomatics	5	A
Linking Course Master of Science in Geography and Geomatics	5	A
Preparatory Course Master of Science in Geography and Geomatics	5	A

Teaching languages

Dutch

Keywords

Slope processes, Erosion, Fluvial transport, Rivers, Landforms, Karst, Wind, Climate change.

Position of the course

The course Fysische Geografie: Vorming van het Reliëf aims to get students to understand processes that shape the Earth surface, with the emphasis on gravitation slope processes and water erosion, rivers, the development of the of the fluvial denudation relief, karst processes and the aeolian forms. Forms and processes relevant to Belgium and neighboring countries are used. Furthermore, the impact of recent climate change on physical geographic processes is illustrated with a number of examples.

Contents

- Chapters (only in Dutch)
- 1 Slope processes through mass movements
 - 2 Slope processes due to water erosion
 - 3 Fluvial transport
 - 4 Rivers
 - 5 Fluvial relief
 - 6 Karst
 - 7 Wind
 - 8 Impact of climate change on the development of the relief

Initial competences

None

Final competences

- 1 Key concepts in physical geography are understood.
- 2 Understanding the diverse physical geographical processes that are important in shaping the surface of the Earth, focusing on Belgium and surroundings.
- 3 Having an advanced knowledge on fluvial denudation.
- 4 Having a basic understanding of the interrelations between climate change and

- physical geographical processes.
- 5 Being able to link theory with field observations during an excursion.
 - 6 Demonstrating analytical skills to tackle a research question in physical geography and being able to present the findings in an appropriate 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

Lecture, fieldwork, seminar: coached exercises

Extra information on the teaching methods

Lectures illustrated with imagery, webseminar

Learning materials and price

Course material available on Ufora (free)
Excursion: 7 Euro

References

Hess, T. (2014). McKnight's Physical Geography: a landscape appreciation. Person 597 pp

Course content-related study coaching

Interactive support during lectures, field work, excursion, via Ufora and consultation hours.

Coaching with regard to practicals is done by the practical assistants.

Evaluation methods

end-of-term evaluation

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

Written examination with open questions, written examination with multiple choice questions, skills test

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

Written examination with open questions, oral examination, skills test

Examination methods in case of permanent evaluation

Possibilities of retake in case of permanent evaluation

not applicable

Extra information on the examination methods

First exam period
written exam with multiple choice questions: 25 questions
written exam with open questions: 15 questions
skill test (practical assignment)

Second examination period
Oral exam with 2 questions
written exam with open questions: 15 questions
skill test (practical assignment)

Calculation of the examination mark

First exam period
written exam with multiple choice questions (45% of the final mark)
written exam with open questions (30% of the final mark)
skill test (practical assignment) (25% of the final mark)

Second examination period
written exam with open questions (30% of the final mark)
Oral exam (45% of the final mark)
practical assignment (25% of the final mark)