

## Earth System: Introduction to Geography (C000884)

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 136 h Contact hrs 49.0 h

### Course offerings and teaching methods in academic year 2020-2021

A (semester 2)	Dutch	Gent	teaching method	hours
			fieldwork	10.0 h
			lecture	25.0 h
			seminar: coached	13.75 h
			exercises	

### Lecturers in academic year 2020-2021

Frankl, Amaury WE12 lecturer-in-charge

### Offered in the following programmes in 2020-2021

programme	crdts	offering
<a href="#">Bachelor of Science in Geology</a>	5	A
<a href="#">Preparatory Course Master of Science in Geology</a>	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

Final objectives secondary school.

### 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.

#### 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, Geoweb 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) (15% of the final mark) NPE (10% 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)