

Landscape Genesis (C003539)

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	<i>(nominal values; actual values may depend on programme)</i>		
Credits 5.0	Study time 150 h	Contact hrs	50.0 h

Course offerings and teaching methods in academic year 2020-2021

A (semester 1)	Dutch	Gent	lecture	20.0 h
			guided self-study	17.5 h
			fieldwork	7.5 h

Lecturers in academic year 2020-2021

Van Eetvelde, Veerle	WE12	lecturer-in-charge
Taelman, Devi	LW02	co-lecturer
Thoen, Erik	LW03	co-lecturer
Trachet, Jan	LW02	co-lecturer

Offered in the following programmes in 2020-2021

	crdts	offering
Master of Science in Teaching in Science and Technology (main subject Geography)	5	A
Master of Science in Teaching in Science and Technology (main subject Geography and Geomatics)	5	A
Master of Science in Teaching in Arts and Humanities (main subject History)	5	A
Master of Arts in History	5	A
Master of Science in Geography and Geomatics	5	A
Master of Science in Geography	5	A

Teaching languages

Dutch

Keywords

Landscape evolution, postglacial, Holocene, Stone Age, Bronze Age, Iron Age, historical geography, landscape genesis and history.

Position of the course

This course aims to provide an insight in the landscape evolution on world scale since the end of the 'Last Glacial Maximum'. Special attention is paid to the evolution in Flanders during the Stone Age, Bronze Age and Iron Age and historical landscape developments and to critical analysis of data sources, methods and applications in landscape genesis and historical geography.

Contents

Description, chronological situation and analysis of the major phases of the physical and anthropogenic landscape evolution since the end of the 'Last Glacial Maximum' on a world scale. Special attention is paid to the evolution in Flanders during the Stone Age, Bronze Age and Iron Age and historical period.

Theory:

- (1) situation of the course, phases of the physical and antropological landscape genesis in Flanders
- (2) Methods of landscape genetic research
- (3) prehistorical landscape genesis: landscape changes and human impact during Stone age
- (4) prehistorical landscape genesis: landscape changes and human impact during bronze and iron age

- (5) overview of written and cartographic sources for historical geography
- (6) use of soil science, remote sensing and GIS for landscape genesis and historical geography

Exercise: historical-geographical analysis of settlement (evolution of settlement type, road systems, ...)

Fieldwork: field observations during one-day excursion with demonstrations and illustrations of case studies in situ, field exercise with corings and soil interpretations.

Initial competences

Final objectives of bachelor in geography, in history, in archaeology or architecture or related scientific disciplines. Basic knowledge of Earth Sciences.

Final competences

- 1 To have an insight in the major phases of the physical and anthropogenic landscape evolution on world scale since the end of the 'Last Glacial Maximum'.
- 2 To describe the landscape evolution in Flanders during the Stone Age, Bronze Age and Iron Age and historical periods.
- 3 *To be able to work autonomously and on a critical way with different historical geographical sources.*
- 4 To apply and use geographical techniques and sources that enables the student to understand the landscape genesis.
- 5 To interpret scientific literature and critically reflect on the literature in an oral presentation (discussion).

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

Guided self-study, demonstration, group work, lecture, fieldwork, lecture: response lecture, online lecture, online lecture: response lecture

Extra information on the teaching methods

The lectures and demonstrations are preferably organized on campus and on-site, given the high level of interaction during the lessons. Some of the contents are discussed using flipped classroom.

The group work must be carried out on campus and on-site.

Fieldwork is done on-site.

Learning materials and price

Reader with papers will be available on Ufora

Fee for excursion and field work: 7 EUR for full day

References

Course content-related study coaching

Coaching by AAP, via Ufora and en MS Teams

Evaluation methods

end-of-term evaluation

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

Written examination, oral examination

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

Written examination, oral examination

Examination methods in case of permanent evaluation

Participation, assignment, report

Possibilities of retake in case of permanent evaluation

examination during the second examination period is possible in modified form

Extra information on the examination methods

To participate the examine of the course, the student needs to hand in the exercise and to participate the field excursions and exercises.

Non-periodic - permanent evaluation: written (paper) and oral presentation (demonstration in the field) with evaluation of theoretical knowledge.

Period evaluation: written exam (two parts: closed and open book) with the possibility for oral clarifications.

Calculation of the examination mark

Permanent evaluation (40%) and periodic evaluation (60%)

To pass this course or to get a delibratable grade, the student must have participated in all the teaching parts (theory + excursions + exercises).