

Archaeometry (A005435)

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 2023-2024

A (semester 1)	Dutch	Gent	seminar group work independent work peer teaching
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Lecturers in academic year 2023-2024

Massagé, Liesbeth	LW02	staff member
Vandenabeele, Peter	LW02	lecturer-in-charge
Pincé, Possum	LW02	co-lecturer
Rousaki, Anastasia	WE06	co-lecturer
Van Thienen, Vince	LW02	co-lecturer

Offered in the following programmes in 2023-2024

	crdts	offering
Master of Science in Teaching in Arts and Humanities (main subject Archaeology)	5	A
Master of Arts in Archaeology	5	A

Teaching languages

Dutch

Keywords

Materiële cultuur, artefactstudies, archeometrie, natuurwetenschappen, analysemethoden

Position of the course

This advanced course is an elective subject within the Master's programme in Archaeology. It builds on the competences acquired in the bachelor's course in archaeology and aims at an integration of concepts.

Contents

In this interactive and interdisciplinary course, the emphasis is on the independent and critical processing of literature and sources from various sub-disciplines of archaeometry. The focus is on archaeometrical analysis in order to answer historical and archaeological questions. A thematic approach with regard to specific material categories (e.g. ceramics, stone, building materials,...) and analysis methods is the common thread throughout the series of lessons. The practical and correct execution of analytical techniques forms an important part of this course. The language of this course is Dutch, but some lessons can be taught in English or French.

Initial competences

This course builds on certain final competences of the bachelor's programme in archaeology, more specifically on the specific competences regarding material culture and archaeometry obtained in the material study courses and the course on archaeometry and physical anthropology of the bachelor's programme.

At least a passive knowledge of English and French is required for consulting professional literature.

Final competences

- 1 Applying an advanced understanding of the archeometrical conceptual framework to analyse and evaluate new and complex ideas
- 2 Use human and natural sciences originally in research or professional activities (multidisciplinarity).
- 3 Have the attitude to use the best research methods in professional archaeological activities or study.
- 4 Independently select and carry out appropriate analysis techniques and critically interpret the results in archaeological research.
- 5 Have an attitude of integrity which demonstrates scientific curiosity, critical reflection and a spirit of lifelong learning.
- 6 Present and justify own archaeological research to experts, peers and non-experts.
- 7 Communicating, cooperating and acting in an appropriate, inspiring, advisory or authoritative manner.

Conditions for credit contract

Access to this course unit via a credit contract is unrestricted: the student takes into consideration the conditions mentioned in 'Starting Competences'

Conditions for exam contract

This course unit cannot be taken via an exam contract

Teaching methods

Guided self-study, group work, integration seminar, microteaching, project, seminar, self-reliant study activities

Extra information on the teaching methods

Guided self-study: preparing the lessons with reading material.

Group work: Preparing a presentation in small groups

Integration seminar: where different subject areas come together

Microteaching: student presentations

Project: students research a theme from different disciplines

Exercises: exercises in the classroom

Independent work: writing a paper

The exact number of hours per work format can vary annually, depending on the theme and needs.

Learning materials and price

Lab coat

Texts and lesson presentations are made available through Ufora.

This course uses texts in Dutch, French or English.

Estimated cost: 30 €

References

Reference list may vary, depending on the theme dealt with, and will be provided at the start of the semester

Course content-related study coaching

Interactive support via Ufora and in person: by electronic appointment

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, assignment

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

Presentation of the practicals in group.

Peer evaluation of group work and oral presentations.

Evaluation of a piece of work on the basis of criteria stipulated in advance (via Ufora)

Individual questioning of the students, whereby the student enters into a discussion with the

questioner on one of the topics covered in the course. The student has to demonstrate that he/she knows the concepts from the course and can use them adequately.

Attendance and participation during the practicals is mandatory. If this is not possible (e.g. working students), another task may be imposed. The practicals are conducted in small groups. During the practical session, the extent to which the students have prepared for the session and are familiar with the most important aspects of the test is assessed (orally). The students write individually a short report of each practical. Guidelines for this report are given at the beginning of the course, taking into account form, insight and the result obtained.

Calculation of the examination mark

Participation, preparation and reporting of the practicals (40%), presentation in group (20%), individual questioning (40%)

Facilities for Working Students

- Possibility of exemption from attendance.
- Possibility to take an exam at another time during the academic year
- Possibility to get feedback via email, after appointment