GHENT UNIVERSITY

Course Specifications

From the academic year 2024-2025 up to and including the academic year

Archaeobotany and Statistics (A005578)

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

Credits 3.0 **Study time 90 h**

Course offerings and teaching methods in academic year 2024-2025

A (semester 1)	Dutch	Gent	independent work
			lecture
			seminar

Lecturers in academic year 2024-2025

Defrancq, Jelle	LW02	staff member
Deforce, Koen	LW02	lecturer-in-charge
De Groote, Isabelle	LW02	co-lecturer

Offered in the following programmes in 2024-2025	**crdts**	**offering**
Bachelor of Arts in Archaeology	3	A

Teaching languages

Dutch

Keywords

ICT, archaeology, statistics, GIS

Position of the course

This in-depth course aims to familiarize students with a number of methods, techniques and aspects of the study of plant remains and of the use of statistical methods in archaeological research. This course examines various subdisciplines of archaeobotanical research (palynology, anthracology, study of seeds and fruits, etc.) as well as a number of basic concepts from statistical data processing within archaeology. The course is in line with the core competencies of the bachelor's degree in archaeology.

Contents

Overview of the basic concepts of statistics, with applications within archaeology including the possibilities of the use of computer science and statistical operations in archaeology, especially in the field of data management, presentation and analysis.

Initial competences

To have successfully completed the courses 'Methodology' (first year in the 3-year model trajectory Mt1) or to have acquired the intended competences in another way.

Final competences

1 To have knowledge of the possibilities and limitations of the various subdisciplines of archaeobotanical research.
2 To be able to evaluate which archaeological structures are useful for sampling and research for archaeobotanical research
3 To be able to evaluate which research questions can be answered on the basis of archaeobotanical research.
4 To be able to interpret specialist archaeobotanical reports.
5 Be able to use digital data for basic analysis and data management.
6 Apply uni-variable statistical analyzes to archaeological data.
7 Statistical processing of archaeological data and understanding the

preconditions for this.

8 Know basic concepts and simple tests from statistics and be able to use them fluently.

Conditions for credit contract

Access to this course unit via a credit contract is determined after successful competences assessment

Conditions for exam contract

Access to this course unit via an exam contract is unrestricted

Teaching methods

Seminar, Lecture, Independent work

Study material

Type: Software

Name: JASP
Indicative price: Free or paid by faculty
Optional: no

References

Course content-related study coaching

Individual coaching is possible after the lectures, through the Ufora learning environment, or by appointment through email with the lecturers or during their office hours.

Assessment moments

end-of-term and continuous assessment

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

Written assessment

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

Written assessment

Examination methods in case of permanent assessment

Skills test, Assignment

Possibilities of retake in case of permanent assessment

examination during the second examination period is possible in modified form

Calculation of the examination mark

Periodic evaluation: 50% of the marks on the component 'Archaeobotany', 50% on the component 'statistics'.
Students must attain a minimum of 50% on each component of the course in order to pass the course.