Course Specifications
Valid as from the academic year 2017-2018

Course size
Credits 3.0  Study time 75 h  Contact hrs 15.0 h

Course offerings and teaching methods in academic year 2017-2018
A (semester 2) lecture 15.0 h

Lecturers in academic year 2017-2018
Adriaens, Mieke WE08 lecturer-in-charge
Vandenabeele, Peter LW02 co-lecturer
Vanhaecke, Frank WE08 co-lecturer

Offered in the following programmes in 2017-2018
Master of Science in Chemistry 3 A

Teaching languages
Dutch

Keywords
Archaeometry, scientific methods of analysis, spectroscopic analysis, materials identification, dating, provenance studies, conservation

Position of the course
Optional course in master of chemistry

Contents
Position of the research field archaeometry and some typical questions that are encountered in this field. Inorganic materials in archaeology and art history
Organic materials in archaeology and art history
Dating techniques, provenancing and trade routes
Conservation
Conclusions

Initial competences
Accessible for students with a bachelor of science in chemistry.

Final competences
1 Being able to situate the research field archaeometry, as an interdisciplinary field.
2 Being able to formulate relevant research questions in the field of archeometry.
3 Having the insight to select appropriate analytical techniques to answer archaeometrical research questions.
4 Insight into the basic operating principles of analytical methods deployable for the investigation of relevant objects / materials to answer archeometric research questions.
5 Understand which degradation phenomena may occur for specific (classes of) materials, and realize the implications.

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

(Approved)
Learning materials and price
   Estimated cost: 15.00 EUR
   Syllabus and presentation via Minerva.

References
   A reference list is present in the lecture notes.

Course content-related study coaching
   Contact with the lecturer, after appointment by email.

Evaluation methods
   end-of-term evaluation

Examination methods in case of periodic evaluation during the first examination period
   Written examination with open questions

Examination methods in case of periodic evaluation during the second examination period
   Written examination with open questions

Examination methods in case of permanent evaluation

Possibilities of retake in case of permanent evaluation
   not applicable

Extra information on the examination methods
   The examination consists of open questions, in which the emphasis is merely on understanding than on reproducing the course content.

Calculation of the examination mark