**Course Specifications**
Valid as from the academic year 2017-2018

<table>
<thead>
<tr>
<th>Course size</th>
<th>Credits</th>
<th>Study time</th>
<th>Contact hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3.0</td>
<td>75 h</td>
<td>15.0 h</td>
</tr>
</tbody>
</table>

**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**

<table>
<thead>
<tr>
<th>Master of Science in Chemistry</th>
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</thead>
<tbody>
<tr>
<td>credits</td>
</tr>
<tr>
<td>3</td>
</tr>
</tbody>
</table>

**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 archaeometry.
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