## Module title

Methods of Archeometry 2

### Abbreviation

04-Geo-Arch4-082-m01

### Module coordinator

holder of the Chair of Geodynamics and Geomaterials Research

### Module offered by

Institute of Geography and Geology

### ECTS

10

### Method of grading

Numerical grade — Only after succ. compl. of module(s)

### Duration

1 semester

### Module level

Undergraduate

### Other prerequisites

None specified

### Contents

Students will be provided with basics of microscopy of rock and mineral thin sections under the polarisation microscope. Furthermore, different essential methods concerning chemical, mineralogical and isotopic analysis of geomaterials will be explained in detail and, as far as possible, demonstrated in the lab practically.

### Intended learning outcomes

According to their names, both module components focus on geological materials, however, the acquired techniques are of great significance for the general material study of archaeological buildings and findings. Students have the ability to examine the thin section of rocks as well as archaeological building material, mortar, ceramic, glasses etc. under the microscope. The same applies for the analytical laboratory methods. Students are able to identify issues and methods that are adequate for certain materials. They are also able to evaluate the methodological prerequisite, the study effort and the value of the achieved results. One method or another can be applied under tutelage independently.

### Courses

This module comprises 2 module components. Information on courses will be listed separately for each module component.

- **04-Geo-Arch4-1-082: Ü + V** (no information on SWS (weekly contact hours) and course language available)
- **04-Geo-Arch4-2-082: V + Ü** (no information on SWS (weekly contact hours) and course language available)

### Method of assessment

Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.

**Assessment in module component 04-Geo-Arch4-1-082: Microscopic petrography**

- 5 ECTS, Method of grading: numerical grade
- Written examination (30 minutes) or oral examination of one candidate each (30 minutes)

**Assessment in module component 04-Geo-Arch4-2-082: Analysis of geomaterials**

- 5 ECTS, Method of grading: numerical grade
- Written examination (30 minutes) or oral examination of one candidate each (30 minutes) or presentation (30 minutes)

### Allocation of places

None specified

### Additional information

None specified

### Referred to in LPO I

(examination regulations for teaching-degree programmes)

None specified

### Module appears in

- Bachelor's degree (1 major, 1 minor) Archaeometry (Minor, 2008)
- Bachelor's degree (1 major, 1 minor) Ancient World (2008)