Module title	Abbreviation
Methods of Archeometry 1	04-Geo-Arch3-082-m01

Module coordinator	Module offered by
holder of the Chair of Geodynamics and Geomaterials Research	Institute of Geography and Geology

ECTS	Method of grading	Only after succ. compl. of module(s)
10	numerical grade	--

Duration	Module level	Other prerequisites
1 semester	undergraduate	--

Contents

Basic observations on minerals and rocks, which can be made in the field or on archaeological finds, buildings and which lead to a first material identification and interpretation, e.g. concerning the origin of materials. Subsequently, the classification of the most important sedimentary, igneous and metamorphic rock types will be elucidated and practised on the basis of their in the handpiece identifiable mineral existence and structure. In the next module section, students will be provided with theoretical and practical basics concerning small geophysical prospection. Nowadays, there hardly exist an archaeological excavation area, which is not explored with geophysical measurement methods.

Intended learning outcomes

Students are able to identify the most important mineral types and as far as possible, to outline and interpret the rock samples without analytical tools. Further, they dispose over the ability to evaluate the possibilities and necessity of individual geophysical measurement methods for an archaeological site, to understand the implementation and to evaluate the interpretation including the uncertainties correctly.

Courses (type, number of weekly contact hours, language — if other than German)

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

- 04-Geo-Arch3-1-082: Ü (no information on SWS (weekly contact hours) and course language available)
- 04-Geo-Arch3-2-082: Ü (no information on SWS (weekly contact hours) and course language available)

Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)

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-Arch3-1-082: Identification of Minerals and Rocks

- 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-Arch3-2-082: Methods of applied Geoghysics

- 5 ECTS, Method of grading: numerical grade
- seminar paper (approx. 12 pages)

Allocation of places

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Additional information

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Workload

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Teaching cycle

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Referred to in LPO I (examination regulations for teaching-degree programmes)
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Module appears in
Bachelor's degree (1 major, 1 minor) Archaeometry (Minor, 2008) Bachelor's degree (1 major, 1 minor) Ancient World (2008)