**Module title**
Soil and Landscape change

**Abbreviation**
09-MBG1-102-m01

**Module coordinator**
holder of the Professorship of Soil Science

**Module offered by**
Institute of Geography and Geology

**ECTS**
5

**Method of grading**
numerical grade

**Duration**
1 semester

**Module level**
graduate

**Other prerequisites**
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### Contents

The lecture imparts students with knowledge of characteristic landscapes with focus on Central Europe. Thematically, soils, geology, geomorphology and landscape ecology in their interactions play an important role. Within the frame of the course, quaternary research questions are an important element. Besides the areal view, particularly time aspects of the landscape development will be considered. The focus of the lecture will be on the importance of development processes of soils and landscapes and their impact on modern geoeological systems and on humans. Moreover, the importance of development processes, particularly with regard to natural hazards, will be covered for applied issues. Questions about the effects of human intervention and their importance for the landscape change will be discussed.

### Intended learning outcomes

Students acquire consolidated knowledge by typical examples and contents of current research project in selected natural environment. Subareas of "Physical Geography" like soil, relief, geology and relevant processes in the natural environment should be presented in their interconnectedness. Hence, the focus of the course lies on the learning and recognising of interactions. Scientific findings will be shown by examples of current research and students will be introduced to the respective research state. Next the usage of basic course books, the work with international scientific articles will be very important.

### Courses

V (no information on SWS (weekly contact hours) and course language available)

### Method of assessment

written examination (approx. 45 minutes)
Language of assessment: German, English

### Allocation of places

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### Additional information

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### Referred to in LPO I

(examination regulations for teaching-degree programmes)

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### Module appears in

Master’s degree (1 major) Applied Physical Geography (2013)
Master’s degree (1 major) Applied Physical Geography (2010)