### Contents

This module covers synthesis and networking of physical-geographical factors in the light of different methodical approaches and particularly on the basis of the human impact: geomorphology, climate, soil, hydro geography, global change and past global change incl. geo and ecosystem research and ecosystem prediction as well as the cycle of materials on Earth's surface.

### Intended learning outcomes

Students are acquainted with the synthesis and interconnectedness of skills that have already been acquired concerning the processes on Earth’s surface, which are dominating the landscape on Earth’s surface and are driven by the geological factors rock, relief, climate, soil, water, flora and fauna. These processes determine structure, function and dynamics of the natural environment and its anthropogenic transformation (the environment that has been shaped from humans by land utilisation, settlements, transport routes etc.). Through the quantitative acquisition of current process structures, Physical Geography is not only able to derive predications for the capability and capacity of geological systems, but also to predict changes in future by analysing the development and change of geographical territories in the past. These important planning decision-making bases concerning the management as well as the sustainable use and development, are given weight to the task of Physical Geography in the practical area.

### Courses

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

- 09-PG2-1-072: V (no information on SWS (weekly contact hours) and course language available)
- 09-PG2-2-072: S (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 09-PG2-1-072:** Special Problems of Physical Geography 1 (Earth System: Man and environment)
- 5 ECTS, Method of grading: numerical grade
- written examination (approx. 45 minutes)

**Assessment in module component 09-PG2-2-072:** Special Problems of Physical Geography 2 (Earth System: Man and environment)
- 5 ECTS, Method of grading: numerical grade
- presentation (approx. 30 minutes) with written elaboration (approx. 20 pages), weighted 1:1

### 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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<td>Bachelor' degree (1 major) Geography (2007)</td>
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<tr>
<td>Bachelor' degree (1 major) Mathematics (2007)</td>
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