### Module title
Data Acquisition and Processing in Physical Geography

### Abbreviation
09-MT1-102-m01

### Module coordinator
holder of the Chair of Physical Geography

### Module offered by
Institute of Geography and Geology

### ECTS
5

### Method of grading
numerical grade

### Only after succ. compl. of module(s)
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### Duration
1 semester

### Module level
undergraduate

### Other prerequisites
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### Contents
Consolidation of methodical knowledge concerning the collection and processing of data sets, which will be aduced in "Physical Geography" as a typical example in order to understand the natural environment; Advanced students can attend alternative seminars, in which applications from the areas ground climatology, climate modelling, geophysical methods, soil science of fields, remote sensing and GIS (geographic information system) will be offered optionally.

### Intended learning outcomes
Students have advanced knowledge of the area basic principles, methodology, cartography and EDP (if necessary statistics, too), which are gained by means of a precise task. Thus, each form of data collection in the field or the modelling at the computer with different stages of data processing in the lab or at the computer will be linked together in order to teach the practical dealing with geophysical measurement methods as well as the dealing with different software applications.

### Courses
S (no information on SWS (weekly contact hours) and course language available)

### Method of assessment
presentation (approx. 15 minutes) with written elaboration (15 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)

### Module appears in
- Bachelor’ degree (1 major) Geography (2010)
- Bachelor’ degree (1 major) Mathematics (2012)
- Bachelor’ degree (1 major) Mathematics (2013)
- Bachelor's degree (1 major, 1 minor) Geography (Minor, 2012)
- Bachelor's degree (1 major, 1 minor) Geography (Focus Physical Geography) (2010)
- Bachelor’s degree (2 majors) Geography (2010)