Module Catalogue
for the Subject

Geography
as a Bachelor’s with 1 major
with the degree "Bachelor of Science"
(180 ECTS credits)

Examination regulations version: 2007
Responsible: Institute of Geography and Geology
Responsible: Faculty of Arts, Historical, Philological, Cultural and Geographical Studies
## Contents

The subject is divided into

### Content and Objectives of the Programme

Abbreviations used, Conventions, Notes, In accordance with

### Compulsory Courses

- Cartography and Geoinformation
- Remote Sensing
- General Human Geography
- Statistics for Geography Students
- General Physical Geography

### Compulsory Electives

### Compulsory Electives: Physical Geography

- Special Problems of Physical Geography
- Applied Physical Geography
- Data Acquisition and Processing in Physical Geography
- Working Methods: Solid Earth System
- Working Methods of Physical Geography

### Compulsory Electives: Human Geography

- Special Issues of Human Geography
- Applied Human Geography
- Theories and Methodology in Human Geography
- Quantitative and Qualitative Regional Analysis
- Methods of Planning in Human Geography

### Field of optional subjects: Regional Geography Europe

- Regional Geography - Europe
- Regional Geography 2 - Excursion

### Field of optional subjects: Regional Geography out of Europe

- Regional Geography outside Europe
- Regional Geography Excursion

### Minor Group: Structure and Process Analysis of the Natural Environment

- Solid Earth I
- Solid Earth II
- Solid Earth Physics

### Minor Group: Methodology and Applications of Remote Sensing

- Introduction to Physics for Students of Non-physics-related Minor Subjects
- Practical Course Physics for Students of Non-physics-related Minor Subjects
- Methods and applications in Remote Sensing
- Introduction to Computer Science for Students of all Faculties

### Minor Group: Economics, Social Sciences and Humanities

- Contemporary South Asia. Applied geography, politics, economy, society
- Introduction to Business Administration
- Introduction to Economics
- International Relations
- Social Stratification and Subfields of Sociology
- Introduction to Business Administration - Minor
- Introduction to Economics - Minor
- Administrative Law
- Introduction to Computer Science for Students of all Faculties

### Thesis

- Bachelor Thesis

### Subject-specific Key Skills

- Job-related Practical Experience
The subject is divided into

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Content and Objectives of the Programme

The program of studies is intended to provide a solid background in the most important subfields of geography and familiarize the student with the techniques of geographical reasoning and working. Their education and training towards analytical and synthetic thinking is to provide the future geographers with the skills to adapt to new tasks and to gain and develop the basic knowledge required for achieving their Bachelor- and Master-Degrees. Therefore, the main focus is on the comprehension of the fundamental geographical terms and theories as well as on a sound knowledge of techniques and the development of typical thought processes. The primary educational objective of the undergraduate studies towards a Bachelors degree with professional qualifications is thus the acquisition of skills to purposefully analyze, assess and effectively co-design physical structures and development processes, the development of current land management with regard to its effect on landscape ecology, society and economy, and to ultimately exceed pure examination of eco-systems by assessing both social facets and aspects regarding environmental economics, policies and laws. The opportunity to enrol in related subject groups of their choice assists the students in becoming familiar with basic ways of thinking and specific working techniques.
Abbreviations used

Course types: E = field trip, K = colloquium, O = conversatorium, P = placement/lab course, R = project, S = seminar, T = tutorial, Ü = exercise, V = lecture

Term: SS = summer semester, WS = winter semester

Methods of grading: NUM = numerical grade, B/NB = (not) successfully completed

Regulations: (L)ASPO = general academic and examination regulations (for teaching-degree programmes), FSB = subject-specific provisions, SFB = list of modules

Other: A = thesis, LV = course(s), PL = assessment(s), TN = participants, VL = prerequisite(s)

Conventions

Unless otherwise stated, courses and assessments will be held in German, assessments will be offered every semester and modules are not creditable for bonus.

Notes

Should there be the option to choose between several methods of assessment, the lecturer will agree with the module coordinator on the method of assessment to be used in the current semester by two weeks after the start of the course at the latest and will communicate this in the customary manner.

Should the module comprise more than one graded assessment, all assessments will be equally weighted, unless otherwise stated below.

Should the assessment comprise several individual assessments, successful completion of the module will require successful completion of all individual assessments.

In accordance with

the general regulations governing the degree subject described in this module catalogue:

ASPO2007

associated official publications (FSB (subject-specific provisions)/SFB (list of modules)):

23-Apr-2008 (2008-11)

This module handbook seeks to render, as accurately as possible, the data that is of statutory relevance according to the examination regulations of the degree subject. However, only the FSB (subject-specific provisions) and SFB (list of modules) in their officially published versions shall be legally binding. In the case of doubt, the provisions on, in particular, module assessments specified in the FSB/SFB shall prevail.
Compulsory Courses

(60 ECTS credits)
Module title | Abbreviation
---|---
Cartography and Geoinformation | 09-KART-072-m01

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<td>1 semester</td>
<td>undergraduate</td>
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**Contents**

Introduction to "Cartography and to the Collection and Processing of Geodata", introduction to "Geographic Information Systems" (GIS).

**Intended learning outcomes**

Students possess the following skills: basics of Cartography and the use of geodata, acquisition of abilities concerning the dealing with geodata and Geographical Information Systems (GIS).

**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.

- 09-KART-1-072: V + T (no information on SWS (weekly contact hours) and course language available)
- 09-KART-2-072: 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 09-KART-1-072**: Cartography and Geodata Cartography and Geodata

- 5 ECTS, Method of grading: numerical grade
- written examination (approx. 75 minutes) or practice work (creating approx. 3 maps or diagrams, approx. 30 hours total), weighted 1:1

**Assessment in module component 09-KART-2-072**: Geographical Information Systems (GIS)

- 5 ECTS, Method of grading: numerical grade
- practice work (approx. 5 pieces of practice work to be completed in approx. 30 hours)

**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 title
Remote Sensing

### Abbreviation
09-FERN-072-m01

### Module coordinator
holder of the Chair of Remote Sensing

### Module offered by
Institute of Geography and Geology

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### Duration
1 semester

### Module level
undergraduate

### Other prerequisites
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### Contents
Introduction to "Geographical Remote Sensing", applications of "Remote Sensing" to Geography.

### Intended learning outcomes
Students possess the following skills: theoretical principles of the Remote Sensing System, knowledge of current geographical fields of application of cross-sectional methodology, remote sensing in the light of different sensor and platform specifications.

### 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.

- 09-FERN-1-072: V + T (no information on SWS (weekly contact hours) and course language available)
- 09-FERN-2-072: V + T (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 09-FERN-1-072: Introduction to Geographical Remote Sensing**
- 5 ECTS, Method of grading: numerical grade
- written examination (45 minutes)

**Assessment in module component 09-FERN-2-072: Application of Remote Sensing in Geography**
- 5 ECTS, Method of grading: numerical grade
- written examination (45 minutes)

### 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 title | Abbreviation
--- | ---
General Human Geography | 09-HG1-072-m01

Module coordinator | Module offered by
holder of the Chair of Economic Geography | Institute of Geography and Geology

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<td>undergraduate</td>
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Contents

Introduction to basic ideas and particular sub-areas of "Human Geography".

Intended learning outcomes

Students possess the following skills: basics and definitions to Human Geography, research institutions and technical conception to Human Geography. This includes Urban Geography, Geography of Rural Settlements, Economic Geography, Social Geography, Population Geography and Civilisation Geographical Research.

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

This module comprises 3 module components. Information on courses will be listed separately for each module component.

- 09-HG1-1-072: V + T (no information on SWS (weekly contact hours) and course language available)
- 09-HG1-2-072: V + T (no information on SWS (weekly contact hours) and course language available)
- 09-HG1-3-072: V + T (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 09-HG1-1-072:** Introduction to the Geography of cities, towns and villages
- 5 ECTS, Method of grading: numerical grade
- written examination (45 minutes)

**Assessment in module component 09-HG1-2-072:** Introduction to Economic Geography
- 5 ECTS, Method of grading: numerical grade
- written examination (45 minutes)

**Assessment in module component 09-HG1-3-072:** Introduction to Social and Population Geography
- 5 ECTS, Method of grading: numerical grade
- written examination (45 minutes)

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 Catalogue for the Subject

#### Geography

**Bachelor’s with 1 major, 180 ECTS credits**

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<td>holder of the Professorship of Climatology</td>
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### Contents

Introduction to statistical working methods to Geography: basic principles of univariate and multivariate statistics.

### Intended learning outcomes

Students possess knowledge of fundamental statistical methods of data analysis and thus, are familiar with the basics of the following modules in the methodological and practical area. Moreover, initial experiences in the computerised data analysis will be gathered.

### Courses

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

- 09-STAT-1-072: V + T (no information on SWS (weekly contact hours) and course language available)
- 09-STAT-2-072: V + T (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-STAT-1-072:** Statistics 1: Fundamentals of Descriptive and Inferential Statistics

- 5 ECTS, Method of grading: numerical grade
- written examination (approx. 60 minutes)

**Assessment in module component 09-STAT-2-072:** Statistics 2: Special and Multivariate Procedures

- 5 ECTS, Method of grading: numerical grade
- written examination (60 minutes)

### Allocation of places

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### Additional information

Additional information will be listed separately for each module component.

- 09-STAT-1-072: Module might use blended learning.
- 09-STAT-2-072: --

### Referred to in LPO I

(examination regulations for teaching-degree programmes)

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Module title: General Physical Geography
Abbreviation: 09-PG1-072-m01

Module coordinator: holder of the Chair of Physical Geography
Module offered by: Institute of Geography and Geology

ECTS: 15
Method of grading: numerical grade
Only after succ. compl. of module(s): --

Duration: 1 semester
Module level: undergraduate
Other prerequisites: By way of exception, additional prerequisites are listed in the section on assessments.

Contents
Introduction to "Physical Geography": basics of exogenous dynamics, endogenous dynamics and climatology.

Intended learning outcomes
Students possess the following skills: basics of the system earth, i.e. the understanding of processes that are dominating the landscape on the Earth’s surface and which are driven by the geological factors rocks, relief, climate, soil, water, flora and fauna. They are important for the understanding of the structure, function and dynamics of the natural space and its anthropogenic transformation (i.e. the environment, which has been shaped from humans by land using, settlements, transport routes etc.).

Courses (type, number of weekly contact hours, language — if other than German)
This module comprises 3 module components. Information on courses will be listed separately for each module component.
- 09-PG1-1-072: V + T (no information on SWS (weekly contact hours) and course language available)
- 09-PG1-2-072: V + T (no information on SWS (weekly contact hours) and course language available)
- 09-PG1-3-072: V + T (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 09-PG1-1-072: General Physical Geography 1 (Earth System: Endogenic Dynamics)
- 5 ECTS, Method of grading: numerical grade
- written examination (45 minutes)

Assessment in module component 09-PG1-2-072: General Physical Geography 2 (Earth System: Climate System)
- 5 ECTS, Method of grading: numerical grade
- written examination (45 minutes)
- Other prerequisites: Registration for assessment: Yes, as specified.

Assessment in module component 09-PG1-3-072: General Physical Geography 3 (Earth System: Endogenic Dynamics)
- 5 ECTS, Method of grading: numerical grade
- written examination (45 minutes)
- Other prerequisites: Registration for assessment: Yes, as specified.

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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Compulsory Electives
(90 ECTS credits)
Compulsory Electives: Physical Geography

(45 ECTS credits)
Module title
Special Problems of Physical Geography

Abbreviation
09-PG2-072-m01

Module coordinator
holder of the Chair of Physical Geography

Module offered by
Institute of Geography and Geology

ECTS
10

Method of grading
numerical grade

Only after succ. compl. of module(s)
two module components of 09-PG1, 09-KART, 09-FERN, 09-STAT

Duration
1 semester

Module level
undergraduate

Other prerequisites
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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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### Module title

**Applied Physical Geography**

*Abbreviation: 09-PG3-072-m01*

### Module coordinator

holder of the Chair of Physical Geography

### Module offered by

Institute of Geography and Geology

### ECTS

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### Duration

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### Contents

Students will choose a topic of "Physical Geography" and attend a project seminar: data collection, data analysis and presentation of explored issues.

### Intended learning outcomes

Students know how to use their skills, which they have already acquired in the area basics and methods, in order to implement them practically. Based on a specific issue, which is partly integrated in a current research project, process steps of geographical research and method will be undergone. Students are acquainted with the data collection in the field or the modelling at the computer, the application of statistical processes, the cartographic visualisation and presentation in form of lectures, posters, films, Internet or reports. They also possess the ability to work independently.

### Courses

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

- **09-PG3-1-072**: S (no information on SWS (weekly contact hours) and course language available)
- **09-PG3-2-072**: 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-PG3-1-072:** Project Seminar: Establishing Current Status and Data Acquisition

- 5 ECTS, Method of grading: numerical grade
- presentation (30 minutes) with written elaboration (20 pages), weighted 1:1

**Assessment in module component 09-PG3-2-072:** Project Seminar: Data Evaluation, Data Visualisation and Presentation

- 5 ECTS, Method of grading: numerical grade
- project report (20 pages)

### 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 title
Data Acquisition and Processing in Physical Geography

### Abbreviation
09-MT1-072-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 adduced 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 possess in-depth knowledge of the area Basic Course, Methodology, Cartography, Statistics and EDP which will be acquired through a specific 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
(type, number of weekly contact hours, language — if other than German)
S (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)
presentation (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 1 (examination regulations for teaching-degree programmes)
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<td>Working Methods: Solid Earth System</td>
<td>09-MT3-072-m01</td>
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<th>Module coordinator</th>
<th>Module offered by</th>
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<tbody>
<tr>
<td>holder of the Chair of Geodynamics and Geomaterials Research</td>
<td>Institute of Geography and Geology</td>
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**Contents**

Basic observations on geological materials that can already be made in the field and which can lead to a first interpretation of geological processes, which took place, as well as the creation of value of geomaterials. Students will be provided with distinctive features and characteristics of the most important rock-forming and economically relevant minerals by means of chosen visuals. Subsequently, the classification of the most important sedimentary, igneous and metamorphic rock types will be elucidated and practiced on the basis of their in the hand-piece identifiable mineral existence and structure. In the following modular section, the understanding of two-dimensional display of three-dimensional display of geological phenomena like the geographical distribution of different rock types or tectonic structures will be developed in form of geological maps and sections as well as simple structural-geological diagrams.

**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. Moreover, they are able to interpret geological maps correctly and to show geological field observations in map form, profiles and suitable diagrams.

**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.

- 09-MT3-1-072: S (no information on SWS (weekly contact hours) and course language available)
- 09-MT3-2-072: 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 09-MT3-1-072: Mineral an Rock Identification**

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

**Assessment in module component 09-MT3-2-072: Geological Maps and Structures**

- 5 ECTS, Method of grading: numerical grade
- written or oral examination of one candidate each (30 minutes each) or term paper (approx. 20 pages)

**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 title | Abbreviation
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Working Methods of Physical Geography | 09-MT5-072-m01

Module coordinator | Module offered by
holder of the Chair of Physical Geography | Institute of Geography and Geology

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<tr>
<td>1 semester</td>
<td>undergraduate</td>
<td>By way of exception, additional prerequisites are listed in the section on assessments.</td>
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</tbody>
</table>

Contents

Field course: basic principles of physical-geographical field, mapping and measuring method (geomorphology, soil geography, vegetation geography, hydro geography, climatology); 10 days of fieldwork. Practical exercise: data preparation, analysis and interpretation; Synthesis of partial results, visualisation and presentation of data with the help of the GIS discussion and the production of a final report.

Intended learning outcomes

Students possess the fundamental physical-geographical mapping, measurement and lab methods. They have skills of the difficulties of field, measurement and lab works and possess an overview of analysis and interpretation possibilities of the acquired field and lab data. They possess the visualisation and presentation of geodata and have the ability of networked considerations and of discussing the results scientifically.

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.

- 09-MT5-1-072: P (no information on SWS (weekly contact hours) and course language available)
- 09-MT5-2-072: S (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 09-MT5-1-072: Introduction to physiogeographical Fieldwork Skills, Field Mapping and Measuring

- 5 ECTS, Method of grading: numerical grade
- placement report / fieldwork report / report on practical training / report on practical course / project report / report on technical course (approx. 15 pages)
- Other prerequisites: A basic knowledge of inorganic chemistry and physics is recommended.

Assessment in module component 09-MT5-2-072: Data management, -analysis and -interpretation

- 5 ECTS, Method of grading: numerical grade
- presentation of project (approx. 30 minutes) and written elaboration (approx. 20 pages); weighted 1:1
- Other prerequisites: A basic knowledge of inorganic chemistry and physics is recommended.

Allocation of places

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Additional information

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Referred to in LPO I (examination regulations for teaching-degree programmes)

--
Compulsory Electives: Human Geography
(45 ECTS credits)
**Module title**  
Special Issues of Human Geography  

**Abbreviation**  
09-HG2-072-m01

**Module coordinator**  
holder of the Professorship of Social Geography

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

**ECTS**  
10

**Method of grading**  
numerical grade for two module components of 09-HG1

**Duration**  
1 semester

**Module level**  
undergraduate

**Other prerequisites**  
--

**Contents**

This module deals with and consolidates chosen issues of "Theoretical and Applied Human Geography" from two different sub-areas of "Human Geography".

**Intended learning outcomes**

Students possess subject-specific theories and have solid knowledge of two sub-areas of Human Geography and their application-oriented implementation. They are able to issue a seminar paper on the basis of independent literary work as well as present the seminar papers in a presentation, which will be held freely.

**Courses**

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

- **09-HG2-1-072**: S (no information on SWS (weekly contact hours) and course language available)
- **09-HG2-2-072**: 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-HG2-1-072:** Special issues of Human Geography 1
- 5 ECTS, Method of grading: numerical grade
- presentation (approx. 30 minutes) with written elaboration (approx. 20 pages), weighted 1:1

**Assessment in module component 09-HG2-2-072:** Special issues of Human Geography 2
- 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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<table>
<thead>
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<th>Abbreviation</th>
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<td>Applied Human Geography</td>
<td>09-HG3-072-m01</td>
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**Module coordinator**

holder of the Professorship of Social Geography

**Module offered by**

Institute of Geography and Geology

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**Duration**

1 semester

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<td>undergraduate</td>
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**Contents**

Students will choose a topic of "Human Geography" and attend a project seminar: data collection, data analysis and presentation of explored issues.

**Intended learning outcomes**

Students possess the following skills:

- Application of the already acquired technical and methodological basics of practice-oriented issues of geographical planning and development using empirical research methods;
- Elaboration of action-oriented solutions;
- Presentation of results;
- Knowledge concerning the use of empirical survey and analysis methodology, project work, team spirit, results-oriented methods, acquisition of communicative technique skills.

**Courses**

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

- 09-HG3-1-072: S (no information on SWS (weekly contact hours) and course language available)
- 09-HG3-2-072: 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-HG3-1-072:** Project oriented Seminar 1 for Applied Human Geography

- 5 ECTS, Method of grading: numerical grade
- Presentation (approx. 30 minutes) with written elaboration (approx. 20 pages), weighted 1:1

**Assessment in module component 09-HG3-2-072:** Project oriented Seminar 2 for Applied Human Geography

- 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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<table>
<thead>
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<td>Theories and Methodology in Human Geography</td>
<td>09-MT2-072-m01</td>
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<td>Institute of Geography and Geology</td>
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<td>1 semester</td>
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**Contents**

This course will introduce students to general theory of science and geographical specific theory, discussion of different perspectives of research and methodologies, basics of empirical study in analytical and prescriptive sciences.

**Intended learning outcomes**

Students possess knowledge of theoretical and methodological basics. Students are acquainted with empirical research methods as well as models and modelling to Human Geography.

**Courses**

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

**Method of assessment**

(No other than German, examination offered — if not every semester, information on whether module is creditable for bonus)

Written examination (45 minutes) and presentation (approx. 20 minutes), 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>Quantitative and Qualitative Regional Analysis</td>
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### Module coordinator

holder of the Professorship of Social Geography  
Institute of Geography and Geology

### ECTS | Method of grading | Only after succ. compl. of module(s) |
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### Duration | Module level | Other prerequisites |
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### Contents

This module includes processes of quantitative regional research, multivariate statistical processes, processes of geographical modelling and simulation. Processes of qualitative social and regional research. Presentation and discussion of methods, criticism of methods. Application of methods based on typical examples.

### Intended learning outcomes

Students possess the following skills: The students' process-related skills will be applied to regional and analytical methods as well as the skills concerning the assessment and evaluation of the processes application and efficiency.

### 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.

- 09-MT4-1-072: S (no information on SWS (weekly contact hours) and course language available)
- 09-MT4-2-072: S (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 09-MT4-1-072: Quantitative Regional Analysis**

- 5 ECTS, Method of grading: numerical grade
- presentation (30 minutes) with written elaboration (approx. 20 pages), weighted 1:1

**Assessment in module component 09-MT4-2-072: Qualitative Regional Analysis**

- 5 ECTS, Method of grading: numerical grade
- presentation (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>Methods of Planning in Human Geography</td>
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<td>Institute of Geography and Geology</td>
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### Contents

Application of empirical research methods on practice-oriented issues on geographical planning and development, development of action-oriented problem solving, presentation of the results.

### Intended learning outcomes

Students possess the following skills: Application of empirical survey and analysis methodology concerning regional development planning and regional or spatial development, project work, the ability to work in a team, result-oriented methods, communicative techniques.

### Courses

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

- 09-MT6-1-072: S (no information on SWS (weekly contact hours) and course language available)
- 09-MT6-2-072: 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-MT6-1-072: Methods of Planning in Human Geography 1**

- 5 ECTS, Method of grading: numerical grade
- a) presentation (approx. 25 minutes) with written elaboration (approx. 12 pages), weighted 1:1 or b) term paper (approx. 20 pages) or c) several small assessments (total length/expenditure of time comparable to a) and/or b)), weighted 1:1

**Assessment in module component 09-MT6-2-072: Methods of Planning in Human Geography 2**

- 5 ECTS, Method of grading: numerical grade
- a) presentation (approx. 25 minutes) with written elaboration (approx. 12 pages), weighted 1:1 or b) term paper (approx. 20 pages) or c) several small assessments (total length/expenditure of time comparable to a) and/or b)), 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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Field of optional subjects: Regional Geography Europe
(15 ECTS credits)
### Module Title

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<td>Regional Geography - Europe</td>
<td>09-RG1-072-m01</td>
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### Module Coordinator

holder of the Chair of Physical Geography

### Module Offered by

Institute of Geography and Geology

### ECTS

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<td>By way of exception, additional prerequisites are listed in the section on assessments.</td>
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### Contents

The module covers issues of "General Geography" in terms of European subspaces or subspaces outside of Europe. This can be individual states as well as distinctive subspaces to Europe or European subspaces due to their lay (e.g. Northern Europe, Alpine countries or North America) or due to common features of distinctive states/regions (e.g. European Union or Arabian Peninsula).

### Intended Learning Outcomes

Students possess the following skills: Students will apply general-geographical skills to regional-related issues, particularly partial steps:
1. Differentiation and characterisation of a region,
2. Working out of specific issues and spatial interactions as well as

### Courses

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

- 09-RG1-1-072: V (no information on SWS (weekly contact hours) and course language available)
- 09-RG1-2-072: 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-RG1-1-072: Regional Geography 1 - Europe**
- 5 ECTS, Method of grading: numerical grade
- a) written examination (45 minutes) or b) oral examination of one candidate each (15 minutes) or c) oral examination in groups (groups of 3, 45 minutes)

**Assessment in module component 09-RG1-2-072: Regional Geography 2 - Europe**
- 5 ECTS, Method of grading: numerical grade
- presentation (approx. 30 minutes) with written elaboration (approx. 20 pages), weighted 1:1
- Only after successful completion of module components: 09-RG1-1
- Other prerequisites: Registration for assessment: Yes, as specified.

### 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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<table>
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<td>holder of the Professorship of Physical Geography</td>
<td>Institute of Geography and Geology</td>
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</table>

**Contents**

Field trip of "General Geography" in terms of European subspaces. This can be individual states as well as distinctive European subspaces due to their lay (e.g. Northern Europe, Alpine countries) or due to common features of distinctive states/regions (e.g. European Union).

**Intended learning outcomes**

Students possess the following skills: Students will apply general-geographical skills to regional-related issues, particularly partial steps:
1. Differentiation and characterisation of a region,
2. Working out of specific issues and spatial interactions as well as

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

E (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)

field trip log (approx. 15 pages)

**Allocation of places**

--

**Additional information**

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**Referred to in LPO I** (examination regulations for teaching-degree programmes)

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Field of optional subjects: Regional Geography out of Europe
(15 ECTS credits)
### Regional Geography outside Europe

<table>
<thead>
<tr>
<th>Module title</th>
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<td>Regional Geography outside Europe</td>
<td>09-RG2-072-m01</td>
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- **Module coordinator**: holder of the Chair of Physical Geography
- **Module offered by**: Institute of Geography and Geology

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- **Duration**: 1 semester
- **Module level**: undergraduate
- **Other prerequisites**: By way of exception, additional prerequisites are listed in the section on assessments.

### Contents

Field trip of "General Geography" in terms of European subspaces or subspaces outside of Europe. This can be individual states as well as distinctive subspaces to Europe or European subspaces due to their lay (e.g. Northern Europe, Alpine countries or North America) or due to common features of distinctive states/regions (e.g. European Union or Arabian Peninsula).

### Intended learning outcomes

Students possess the following skills: Students will apply general-geographical skills to regional-related issues, particularly partial steps:
1. Differentiation and characterisation of a region,
2. Working out of specific issues and spatial interactions as well as

### Courses

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

- **09-RG2-1-072**: V (no information on SWS (weekly contact hours) and course language available)
- **09-RG2-2-072**: 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-RG2-1-072: Regional Geography outside Europe I**
- 5 ECTS, Method of grading: numerical grade
- Presentation (30 minutes) with written elaboration (approx. 20 pages), weighted 1:1

**Assessment in module component 09-RG2-2-072: Regional Geography outside Europe II**
- 5 ECTS, Method of grading: numerical grade
- Presentation (approx. 30 minutes) with written elaboration (approx. 20 pages), weighted 1:1
- Only after successful completion of module components: 09-RG2-1
- Other prerequisites: Registration for assessment: Yes, as specified.

### 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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<table>
<thead>
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<th>Module title</th>
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<td>Regional Geography Excursion</td>
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<tbody>
<tr>
<td>holder of the Professorship of Economic Geography</td>
<td>Institute of Geography and Geology</td>
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### Contents

Field trip of "General Geography" in terms of subspaces outside of Europe. This can be individual states as well as distinctive European subspaces due to their lay (e.g. North America) or due to common features of distinctive states/regions (e.g. Arabian Peninsula).

### Intended learning outcomes

Students possess the following skills: Students will apply general-geographical skills to regional-related issues, particularly partial steps:
1. Differentiation and characterisation of a region,
2. Working out of specific issues and spatial interactions as well as

### Courses

E (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)

field trip log (approx. 15 pages)

### Allocation of places

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### Additional information

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### Referred to in LPO 1

(examination regulations for teaching-degree programmes)

--
Minor Group: Structure and Process Analysis of the Natural Environment
(30 ECTS credits)
Module title
Solid Earth I

Abbreviation
09-BFA1-072-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)
Two module components of 09-PG1

Duration
1 semester

Module level
Undergraduate

Other prerequisites
--

Contents
The module component "Stratigraphy and Earth's history" provides an overview of the Earth's 4.6 billion years of development and the resulting sediments, the environmental conditions at that time, development of life and possibilities of age determination. Subsequently, either the module component "Petrographic Microscopy" can be chosen or a module component that deals with "Geochemistry" and "Hydrologic balance". The first one covers the principles of microscopy of rock and mineral thin sections with the polarising microscope. The second one deals with geochemical systems of the Earth's upper crust and which role water plays in a geochemical and hydrogeological view: water as a chemical transport medium, water cycle, water storage and danger of water contamination.

Intended learning outcomes
Students possess the required basics in the mentioned special fields shown in 10. Especially, the module component rock microscopy is an essential basis for in-depth petrological and crystalline-geological studies, while the module component geochemistry and hydrologic balance also makes up a basis for advanced studies in the area of environmental sciences and hydrology.

Courses
This module has 3 components; information on courses listed separately for each component.

- 09-BFA1-1-072: V + Ü (no information on language and number of weekly contact hours available)
- 09-BFA1-2-072: V + Ü (no information on language and number of weekly contact hours available)
- 09-BFA1-3-072: V + Ü (no information on language and number of weekly contact hours available)

Method of assessment
This module has the following 3 assessment components. To pass the module as a whole students must pass the third assessment component and one of the remaining two.

Assessment component to module component 09-BFA1-1-072: Stratigraphie and Erdgeschichte
- 5 ECTS credits, method of grading: numerical grade
- Written or oral examination of one candidate each or presentation (30 minutes each)

Assessment component to module component 09-BFA1-2-072: Gesteinsmikroskopie
- 5 ECTS credits, method of grading: numerical grade
- Written or oral examination of one candidate each (30 minutes each)

Assessment component to module component 09-BFA1-3-072: Geochemie und Wasserhaushalt
- 5 ECTS credits, method of grading: numerical grade
- Written or oral examination of one candidate each or presentation (30 minutes each)

Allocation of places
--

Additional information
--

Referred to in LPO I (examination regulations for teaching-degree programmes)
--
Module title | Abbreviation
---|---
Solid Earth II | 09-BFA2-072-m01

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

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<th>ECTS</th>
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<tr>
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<th>Other prerequisites</th>
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</thead>
<tbody>
<tr>
<td>1 semester</td>
<td>undergraduate</td>
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</tbody>
</table>

Contents

Optionally, students will be allowed to attend two out of three seminars: The module component "Analysis of Geomaterials" provides students with the basics of different methods of the mineral and rock analytic. The module component "Petrology" gives an insight into the development and change of crystalline rocks, which nowadays make up a significant part of the Earth’s crust and Earth’s surface and deals with processes of magnetism and rock metamorphosis. Microscopic observations of the most important crystalline rock types constitute an essential element. The module component "Economic Geology" deals with fundamental economic-geological principles, the classification and evaluation of raw material supply as well as exploration strategies.

Intended learning outcomes

Students possess the required basics in the mentioned special fields shown in 10.

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

This module has 3 components; information on courses listed separately for each component.
- 09-BFA2-1-072: V + Ü (no information on language and number of weekly contact hours available)
- 09-BFA2-2-072: V + Ü (no information on language and number of weekly contact hours available)
- 09-BFA2-3-072: S (no information on language and number of weekly contact hours 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)

This module has the following 3 assessment components. To pass the module as a whole students must pass the third assessment component and one of the remaining two.

**Assessment component to module component 09-BFA2-1-072: Analyse von Geomaterialien**
- 5 ECTS credits, method of grading: numerical grade
- written or oral examination of on candidate each or presentation (30 minutes)

**Assessment component to module component 09-BFA2-2-072: Petrologie**
- 5 ECTS credits, method of grading: numerical grade
- written or oral examination of on candidate each or presentation (30 minutes each)

**Assessment component to module component 09-BFA2-3-072: Wirtschaftsgeologie**
- 5 ECTS credits, method of grading: numerical grade
- written or oral examination of on candidate each or presentation (30 minutes each)

Allocation of places
--

Additional information
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**Referred to in LPO I** (examination regulations for teaching-degree programmes)
--
Module Catalogue for the Subject Geography
Bachelor’s with 1 major, 180 ECTS credits

<table>
<thead>
<tr>
<th>Module title</th>
<th>Abbreviation</th>
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<td>Solid Earth Physics</td>
<td>09-BFA3-072-m01</td>
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<th>Module offered by</th>
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<tr>
<td>holder of the Chair of Physical Geography</td>
<td>Institute of Geography and Geology</td>
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<tr>
<th>Duration</th>
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<th>Other prerequisites</th>
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<tbody>
<tr>
<td>1 semester</td>
<td>undergraduate</td>
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</table>

**Contents**

Introduction to "Geophysics, Physical Properties of Geomaterials, Methods of Applied Geophysics".

**Intended learning outcomes**

Students possess the following skills: physical key processes of the system earth, physical geomaterials science and methods of ground-based and geophysical exploration of the ground.

**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.

- 09-BFA3-1-072: V (no information on SWS (weekly contact hours) and course language available)
- 09-BFA3-2-072: 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 09-BFA3-1-072: Introduction to Geophysics**

- 5 ECTS, Method of grading: numerical grade
- written examination (30 minutes)

**Assessment in module component 09-BFA3-2-072: Methods of Applied Geophysics**

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

**Allocation of places**

--

**Additional information**

--

**Referred to in LPO I** (examination regulations for teaching-degree programmes)

--
Minor Group: Methodology and Applications of Remote Sensing
(30 ECTS credits)
<table>
<thead>
<tr>
<th>Module title</th>
<th>Abbreviation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Physics for Students of Non-physics-related Minor Subjects</td>
<td>11-EFNF-072-m01</td>
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</table>

<table>
<thead>
<tr>
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<th>Module offered by</th>
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<td>Managing Director of the Institute of Applied Physics</td>
<td>Faculty of Physics and Astronomy</td>
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<th>Other prerequisites</th>
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<tbody>
<tr>
<td>2 semester</td>
<td>undergraduate</td>
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</table>

**Contents**

Mechanics, vibration theory, thermodynamics, optics, science of electricity, Atomic and Nuclear Physics.

**Intended learning outcomes**

The students have knowledge of the principles of Physics.

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

V + V (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)

written examination (approx. 120 minutes)

**Allocation of places**

Only as part of pool of general key skills (ASQ): 10 places. Places will be allocated by lot.

**Additional information**

--

**Referred to in LPO I** (examination regulations for teaching-degree programmes)

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<table>
<thead>
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<th>Module title</th>
<th>Abbreviation</th>
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<tbody>
<tr>
<td>Practical Course Physics for Students of Non-physics-related Minor Subjects</td>
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<thead>
<tr>
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<td>Faculty of Physics and Astronomy</td>
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<table>
<thead>
<tr>
<th>Contents</th>
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</thead>
<tbody>
<tr>
<td>Mechanics, vibration theory, thermodynamics, optics, X-rays, nuclear magnetic resonance, Atomic and Nuclear Physics.</td>
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<table>
<thead>
<tr>
<th>Intended learning outcomes</th>
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<tbody>
<tr>
<td>The students have knowledge of the principles of Physics.</td>
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<thead>
<tr>
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<th>Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)</th>
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<tbody>
<tr>
<td>a) oral test (approx. 15 minutes) during experiment and b) ungraded written examination (approx. 90 minutes)</td>
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<th>Allocation of places</th>
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<tbody>
<tr>
<td>Only as part of pool of general key skills (ASQ): 10 places. Places will be allocated by lot.</td>
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<table>
<thead>
<tr>
<th>Module title</th>
<th>Abbreviation</th>
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<tr>
<td>Methods and applications in Remote Sensing</td>
<td>09-BFB1-072-m01</td>
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<thead>
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<th>Module coordinator</th>
<th>Module offered by</th>
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</thead>
<tbody>
<tr>
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<td>Institute of Geography and Geology</td>
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<tbody>
<tr>
<td>1 semester</td>
<td>undergraduate</td>
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</table>

**Contents**

Methods of remote sensing data analysis, remote sensing concerning resource management, remote sensing concerning the biodiversity research, remote sensing of urban spaces.

**Intended learning outcomes**

Students possess the following skills: Theoretical basics of current methods from the remote sensing data analysis, in-depth technical knowledge of methodological implementing of remote sensing research approaches in the resource management, e.g. in hydrology, agriculture, biodiversity research and urban spaces.

**Courses**

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

- 09-BFB1-1-072: S + T (no information on SWS (weekly contact hours) and course language available)
- 09-BFB1-2-072: S + T (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-BFB1-1-072:** Methods for Analysing Remote Sensing Data

- 5 ECTS, Method of grading: numerical grade
- presentation (45 minutes) with written elaboration (15 pages), weighted 1:1

**Assessment in module component 09-BFB1-2-072:** Remote Sensing in Resource Management

- 5 ECTS, Method of grading: numerical grade
- presentation (45 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)

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<table>
<thead>
<tr>
<th>Module title</th>
<th>Abbreviation</th>
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<tbody>
<tr>
<td>Introduction to Computer Science for Students of all Faculties</td>
<td>10-I-EIN-072-m01</td>
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</table>

**Module coordinator**
Dean of Studies Informatik (Computer Science)

**Module offered by**
Institute of Computer Science

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<th>ECTS</th>
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<tr>
<td>10</td>
<td>numerical grade</td>
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</table>

**Duration**
1 semester

**Module level**
undergraduate

**Other prerequisites**
Admission prerequisite to assessment: academic requirements to be met in exercises as specified at the beginning of the course.

### Contents
Foundations of computer science including representation of information and websites (HTML, XML, EBNF), databases, algorithms and data structures, programming (Java).

### Intended learning outcomes
The students are familiar with the fundamentals of computer science, e.g. in the areas of representation of information and websites (HTML, XML, EBNF), databases, algorithms and data structures, programming in Java.

### Courses

<table>
<thead>
<tr>
<th>Type</th>
<th>Weekly contact hours, language (if other than German)</th>
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<tbody>
<tr>
<td>V + Ü + Ü</td>
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### Method of assessment

<table>
<thead>
<tr>
<th>Type</th>
<th>Scope</th>
<th>Language (if other than German), Examination offered (if not every semester), Information on whether module is creditable for bonus</th>
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<tbody>
<tr>
<td>a)</td>
<td>written examination (approx. 90 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2: 30 minutes, groups of 3: 40 minutes)</td>
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</table>

### Allocation of places

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### Additional information

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### Referred to in LPO I
(examination regulations for teaching-degree programmes)

--
Minor Group: Economics, Social Sciences and Humanities
(30 ECTS credits)
### Module title
Contemporary South Asia. Applied geography, politics, economy, society

### Abbreviation
04-IB1-072-m01

### Module coordinator
holder of the Chair of Indology

### Module offered by
Chair of Indology

### ECTS
10

### Method of grading
numerical grade

### Duration
1 semester

### Module level
undergraduate

### Other prerequisites
--

### Contents
Introduction to South Asian regional studies and politics as well as to the economy, society and modern history of South Asia.

### Intended learning outcomes
Students have acquired a basic knowledge of South Asian regional studies and politics as well as of the economy, religion and society of (modern) South Asia, e.g. as reflected in modern literatures.

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

- **04-IB1-1-072**: V + Ü (no information on SWS (weekly contact hours) and course language available)
- **04-IB1-2-072**: 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 04-IB1-1-072**: Modern South Asia
- 5 ECTS, Method of grading: numerical grade
- Presentation (20 to 30 minutes) with written elaboration (approx. 5 pages), weighted 1:1
- Language of assessment: German or English

**Assessment in module component 04-IB1-2-072**: Modern South Asia as reflected in its literature
- 5 ECTS, Method of grading: numerical grade
- Presentation (approx. 30 to 45 minutes) with written elaboration (approx. 10 pages), weighted 1:1
- Language of assessment: German or 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)
--
**Module title**  
Introduction to Business Administration

<table>
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<tr>
<th>Abbreviation</th>
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**Module coordinator**  
holder of the Chair of Human Resource Management and Organisation

**Module offered by**  
Faculty of Business Management and Economics

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<th>ECTS</th>
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<th>Duration</th>
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<td>1 semester</td>
<td>undergraduate</td>
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</table>

**Contents**

This course will introduce students to relevant subject areas of business administration. Students will acquire an overview of the different perspectives and main points of view from which a theoretical examination of business enterprise may take place. The course will focus on what companies or other organisations are, how they behave and in what form they are organised. For this purpose, a study will be made of the economic subject’s decision-making behaviour.

Reading list to be provided during lecture.

**Intended learning outcomes**

The aim of the lectures is to familiarise the students with the basic problem issues and perspectives within the field of business administration.

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

V + 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)

written examination (approx. 60 minutes)

**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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<table>
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<td>12-EVWL-G-072-m01</td>
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<tbody>
<tr>
<td>holder of the Chair of Monetary Policy and International Economics</td>
<td>Faculty of Business Management and Economics</td>
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<tbody>
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<td>1 semester</td>
<td>undergraduate</td>
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</table>

**Contents**

The course deals with the following topics:

1. Economics shows how markets function
2. The division of labour is the basis of our wealth
3. The market in action
4. Monopolies and cartels endanger market economies
5. The labour market and the role of unions
6. The government's role in a social market economy
7. Governmental redistribution guarantees the social balance in a market economy
8. Environmental policy and the government's allocation function
9. Objectives and agents in the macro economy
10. How do aggregate supply and demand come into equilibrium?
11. The role of fiscal policy
12. How does a central bank stabilise aggregate demand by setting interest rates?

**Intended learning outcomes**

By completing this course, students receive a fundamental understanding of economics. Students are able to grasp microeconomic as well as macroeconomic subjects and to analyze them in theoretical models.

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

V + 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)

written examination (approx. 60 minutes)

**Allocation of places**

--

**Additional information**

--

**Referred to in LPO I** (examination regulations for teaching-degree programmes)

--
Module title: International Relations
Abbreviation: 06-BM-IB-072-m01

Module coordinator: holder of the Professorship of European Studies and International Relations
Module offered by: Professorship of European Studies and International Relations

ECTS: 5
Method of grading: numerical grade
Only after succ. compl. of module(s): --

Duration: 1 semester
Module level: undergraduate
Other prerequisites: By way of exception, additional prerequisites are listed in the section on assessments.

Contents
German contents available but not translated yet.

Historische Entwicklung, Theorien und Grundfragen der Lehre von den Internationalen Beziehungen.

Intended learning outcomes
The student has acquired the knowledge of International Relations’ manifold theories. He/She is able to reflect the appropriate conceptual and theoretical capacity of their main issues; he/she is able to conduct a theoretical approach to the analysis of pivotal problem areas of world politics.

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

- 06-BM-IB-1-072: V (no information on SWS (weekly contact hours) and course language available)
- 06-BM-IB-2-072: 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 06-BM-IB-1-072: International Relations 1
- 3 ECTS, Method of grading: numerical grade
- written examination (90 minutes)

Assessment in module component 06-BM-IB-2-072: International Relations 2
- 2 ECTS, Method of grading: numerical grade
- a) log (approx. 5 pages) or b) presentation (approx. 45 minutes) or c) essay (approx. 10 pages)
- Other prerequisites: Registration for assessment: Yes, as specified.

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 title | Abbreviation
---|---
Social Stratification and Subfields of Sociology | 06-BM-SpS-072-m01

Module coordinator | Module offered by
holder of the Professorship of Sociology and Qualitative Research | Professorship of Sociology and Qualitative Research

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

**Duration** | **Module level** | **Other prerequisites**
---|---|---
1 semester | undergraduate | By way of exception, additional prerequisites are listed in the section on assessments.

**Contents**

German contents available but not translated yet.

Sozialstrukturanalyse, Theorien, Modelle, Befunde

**Intended learning outcomes**

German intended learning outcomes available but not translated yet.

Der/Die Studierende verfügt über Grundkenntnisse der Sozialstrukturanalyse.

**Courses**

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

- 06-BM-SpS-1-072: V (no information on SWS (weekly contact hours) and course language available)
- 06-BM-SpS-2-072: 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 06-BM-SpS-1-072: Social Stratification and Subfields of Sociology 1**

- 3 ECTS, Method of grading: numerical grade
- written examination (90 minutes)

**Assessment in module component 06-BM-SpS-2-072: Social Stratification and Subfields of Sociology 2**

- 2 ECTS, Method of grading: numerical grade
- a) log (approx. 5 pages) or b) presentation (approx. 45 minutes) or c) essay (approx. 10 pages)
- Other prerequisites: Registration for assessment: Yes, as specified.

**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 title**  
Introduction to Business Administration - Minor  

**Abbreviation**  
12-NW-EBWL-092-m01  

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<tr>
<th>ECTS</th>
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<tr>
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<tr>
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<tbody>
<tr>
<td>1 semester</td>
<td>undergraduate</td>
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</table>

**Contents**

The module will provide students with an insight into economics. The course will first discuss how markets work. The resulting market result - traded amounts and price - will be analysed and different starting points for economic policy measures (e.g. regulation of monopolies, introduction of minimum wages, environmental policy) will be discussed. Students will then acquire an overview of macroeconomic interrelationships. In this context, the course will focus on providing students with an understanding of business cycles (unemployment, inflation) and growth processes. Current issues such as monetary and fiscal policy in the euro area will also be discussed.

**Intended learning outcomes**

After completing the module, students should be able to describe the modern business economics as a scientific discipline in its institutional economic expression and to master appropriate level in their problem-solving techniques used on the character of an orientation session.

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

V + 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)

written examination (approx. 60 minutes)

**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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<table>
<thead>
<tr>
<th>Module title</th>
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<tr>
<td>Introduction to Economics - Minor</td>
<td>12-NW-EVWL-092-m01</td>
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<th>Module coordinator</th>
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<tbody>
<tr>
<td>holder of the Chair of Monetary Policy and International Economics</td>
<td>Faculty of Business Management and Economics</td>
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**Contents**

The course offers basic insights into the principles of economics. We analyse how markets work, i.e. how consumers form their demand and how suppliers make production decisions. On the basis of first insights into market economies, we analyse why governments might want to intervene. In this context, we focus on monopoly, environmental issues and minimum wages in labour markets.

In addition to micro topics, we also focus on macroeconomic aspects and analyse why we observe business cycles (unemployment, inflation) and long term economic growth. We also address topics related to monetary and fiscal policy in the euro area.

**Intended learning outcomes**

The students have a basic knowledge of economics, with which they can analyze complex economic relationships. They can deal critically with current economic policy issues and make an independent judgment. In addition, elementary mathematical techniques for solving microeconomic models are mediated.

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

V + 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)

written examination (approx. 60 minutes)

**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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### Administrative Law

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<td>Administrative Law</td>
<td>02-VerwR-072-m01</td>
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#### Module coordinator
Dean of Studies Faculty of Law

#### Module offered by
Faculty of Law

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<th>ECTS</th>
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</table>

#### Contents
German contents available but not translated yet.

**Einführung in das Allgemeine Verwaltungs- und Baurecht und Vertiefung von Teilaspekten.**

### Intended learning outcomes
German intended learning outcomes available but not translated yet.

**Die Studierenden verfügen über grundlegende Kenntnisse im Allgemeinen Verwaltungs- und Baurecht.**

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

- **02-VerwR-1-072**: V (no information on SWS (weekly contact hours) and course language available)
- **02-VerwR-2-072**: V (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 02-VerwR-1-072**: Administrative Law: Basics of German Administrative Law

- **6 ECTS**, Method of grading: numerical grade
- written examination (120 minutes) or oral examination (30 minutes)

**Assessment in module component 02-VerwR-2-072**: Administrative Law: Land Use

- **4 ECTS**, Method of grading: numerical grade
- written examination (120 minutes) or oral examination (30 minutes)

### 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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<table>
<thead>
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<tr>
<td>Introduction to Computer Science for Students of all Faculties</td>
<td>10-I-EIN-072-m01</td>
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<tr>
<td>Dean of Studies Informatik (Computer Science)</td>
<td>Institute of Computer Science</td>
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<td>undergraduate</td>
<td>Admission prerequisite to assessment: academic requirements to be met in exercises as specified at the beginning of the course.</td>
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</tbody>
</table>

**Contents**

Foundations of computer science including representation of information and websites (HTML, XML, EBNF), databases, algorithms and data structures, programming (Java).

**Intended learning outcomes**

The students are familiar with the fundamentals of computer science, e. g. in the areas of representation of information and websites (HTML, XML, EBNF), databases, algorithms and data structures, programming in Java.

**Courses**

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

**Method of assessment**

a) written examination (approx. 90 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2: 30 minutes, groups of 3: 40 minutes)

**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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Thesis
(10 ECTS credits)
# Bachelor Thesis

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<td>Bachelor Thesis</td>
<td>09-AA1-072-m01</td>
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**Module coordinator**
Managing Director of the Institute of Geography and Geology

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

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**Duration**
1 semester

**Module level**
undergraduate

**Other prerequisites**
Registration for assessment on a continuous basis as agreed upon with supervisor. Topic to be selected in consultation with supervisor. Topic to be assigned by examination committee (Section 21 Subsection 3 ASPO (general academic and examination regulations)).

## Contents
Adhering to the principles of good scholarly practice, students will independently process a scientific issue and write a bachelor's thesis.

## Intended learning outcomes
Students possess the following skills:
- Ability to produce a scientific work independently (description and analysis of a problem, literary research, theory reference, interpretation of data, logical conclusion and solution approaches of a scientific issue).
- Linguistic competence.
- Ability to master tasks within a given period of time.

## Courses
No courses assigned

## Method of assessment
Written elaboration (approx. 40 pages)
Language of assessment: German or English

## Allocation of places
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## Additional information
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## Referred to in LPO 1
(examination regulations for teaching-degree programmes)
--
Subject-specific Key Skills

(10 ECTS credits)
### Module title

**Job-related Practical Experience**

| Abbreviation | 09-PRAK-072-m01 |

### Module coordinator

holder of the Chair of Physical Geography

### Module offered by

Institute of Geography and Geology

### ECTS Method of grading

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### Duration

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### Contents

The work placement has to be completed in two module-relevant offices or companies, which fit the professional career the student is looking for or must be completed by field work for eight weeks outside of Europe. The work placement should comprise tasks that provides the intern with a comprehensive and adequate insight into the vocational world.

### Intended learning outcomes

Students will get first insights into the job opportunities of a geographer by doing, in total, eight weeks of work placement with two different employers. Thus, students will have the opportunity to establish contacts and to get in touch with different vocational practices.

### Courses

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

- **09-PRAK-1-072**: P (no information on SWS (weekly contact hours) and course language available)
- **09-PRAK-2-072**: P (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-PRAK-1-072**: Job-related Practical Experience 1

- 5 ECTS, Method of grading: (not) successfully completed
- placement report / fieldwork report / report on practical training / report on practical course / project report / report on technical course (approx. 10 pages)
- Language of assessment: German, English

**Assessment in module component 09-PRAK-2-072**: Job-related Practical Experience 2

- 5 ECTS, Method of grading: (not) successfully completed
- placement report / fieldwork report / report on practical training / report on practical course / project report / report on technical course (approx. 10 pages)
- 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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