Subdivided Module Catalogue
for the Subject

Geography

as a major in a Bachelor’s degree programme
with the degree "Bachelor of Science"
(120 ECTS credits)

Examination regulations version: 2017
Responsible: Faculty of Arts, Historical, Philological, Cultural and Geographical Studies
Responsible: Institute of Geography and Geology
Course of Studies - Contents and Objectives

A major for a Bachelor's degree, the subject Geography is offered by the Faculty of Arts, Historical, Philological, Cultural and Geographical Studies of JMU in the framework of a programme combining a major and a minor. That programme focuses on the fundamental principles of the disciplines and leads to the degree of Bachelor of Science (BSc).

Studying Geography, students learn the fundamental principles of general and regional geography as well as essential methods in geography. They are equipped with knowledge and skills in the major sub-disciplines of geography and become familiar with the methods of geographical thinking and working. Completing their training and honing their analytical and synthetic thinking skills, students develop the ability to familiarise themselves with, and work in, a wide range of fields and, in particular, to acquire the knowledge and skills needed to study for a consecutive Master's degree. A strong focus is on equipping students with an understanding of fundamental concepts and theories of geography and a high level of proficiency in research methods as well as on the development of typical thought patterns. The main aim is to enable students to systematically analyse and assess as well as to sustainably shape spatial structures and development processes as they affect landscape management, society and the economy.

Graduates who earned a Bachelor of Science degree in Geography

- have specialist knowledge in the fields of geography and geosciences,
- have an overview of the interrelationships within their discipline
- are able to identify, analyse and formulate problems in their discipline as well as to find and use relevant scientific literature to solve them,
- are able to use appropriate methods and techniques (including, but not limited to, computational techniques) to perform analyses, taking into account scientific, technological, social and economic constraints or standards,
- have acquired a set of methodological and subject-specific skills that will allow them to work in a wide range of fields,
- are able to discuss problems in geography both with their fellow geographers and with persons who are not experts in the discipline,
- are prepared to enter the workplace, either in or outside academia, thanks to the practical relevance of the course that includes, among other components, a work placement.
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: \( \text{NUM} = \) numerical grade, \( \text{B/NB} = \) (not) successfully completed

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

Other: \( A = \) thesis, \( \text{LV} = \) course(s), \( \text{PL} = \) assessment(s), \( \text{TN} = \) participants, \( \text{VL} = \) 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:

\( \text{ASPO2015} \)

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

\( 5\text{-April-2017 (2017-15)} \)

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.
## Subdivided Module Catalogue for the Subject Geography
major in a Bachelor’s degree programme, 120 ECTS credits

The subject is divided into

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Module title</th>
<th>ECTS credits</th>
<th>Method of grading</th>
<th>page</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Compulsory Courses (45 ECTS credits)</strong></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>General Physical Geography</strong></td>
<td></td>
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<tr>
<td>04-Geo-PG1Ex-152-m01</td>
<td>General Physical Geography: Exogenic Dynamics - Geomorphology</td>
<td>5</td>
<td>NUM</td>
<td>6</td>
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<tr>
<td>04-Geo-PG1En-152-m01</td>
<td>General Physical Geography: Endogenic Dynamics - Introduction to Geology</td>
<td>5</td>
<td>NUM</td>
<td>7</td>
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<tr>
<td>04-Geo-PG1Kl-152-m01</td>
<td>General Physical Geography: Climate System</td>
<td>5</td>
<td>NUM</td>
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<tr>
<td><strong>General Human Geography</strong></td>
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<tr>
<td>04-Geo-HG1S-152-m01</td>
<td>General Human Geography Introduction to the Geography of Cities, Towns and Villages</td>
<td>5</td>
<td>NUM</td>
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<tr>
<td>04-Geo-HG1W-152-m01</td>
<td>General Human Geography: Introduction to Economic Geography</td>
<td>5</td>
<td>NUM</td>
<td>10</td>
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<tr>
<td>04-Geo-HG1B-152-m01</td>
<td>General Human Geography: Introduction to Social and Population Geography</td>
<td>5</td>
<td>NUM</td>
<td>11</td>
</tr>
<tr>
<td><strong>Statistics and Cartography</strong></td>
<td></td>
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<td>04-Geo-STATU-152-m01</td>
<td>Statistics: Fundamentals of Descriptive and Inferential Statistics</td>
<td>5</td>
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<td>04-Geo-KART-152-m01</td>
<td>Cartography and Geoinformation</td>
<td>5</td>
<td>NUM</td>
<td>14</td>
</tr>
<tr>
<td><strong>Field Trip/-s</strong></td>
<td></td>
<td></td>
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<tr>
<td>04-Geo-Exkurs-162-m01</td>
<td>Field trip/-s (5 days or more)</td>
<td>5</td>
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</tr>
<tr>
<td><strong>Compulsory Electives (45 ECTS credits)</strong></td>
<td></td>
<td></td>
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<tr>
<td><strong>Statistics, GIS, Remote Sensing (10 ECTS credits)</strong></td>
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<td>04-Geo-STATM-152-m01</td>
<td>Statistics: Special and Multivariate Procedures</td>
<td>5</td>
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<td>13</td>
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<tr>
<td>04-Geo-GIS-152-m01</td>
<td>Geographical Information Systems (GIS)</td>
<td>5</td>
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<tr>
<td>04-Geo-FERNE-152-m01</td>
<td>Introduction to Geographical Remote Sensing</td>
<td>5</td>
<td>NUM</td>
<td>16</td>
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<tr>
<td>04-Geo-FERNA-152-m01</td>
<td>Applications of Remote Sensing in Geography</td>
<td>5</td>
<td>NUM</td>
<td>17</td>
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<tr>
<td><strong>Regional Geography (5 ECTS credits)</strong></td>
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<td>04-Geo-RG-V1-152-m01</td>
<td>Regional Geography - Lecture course 1</td>
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<td>33</td>
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<tr>
<td>04-Geo-RG-V2-152-m01</td>
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<td>04-Geo-RG-S1-152-m01</td>
<td>Regional Geography - Seminar 1</td>
<td>5</td>
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<td>04-Geo-RG-S2-152-m01</td>
<td>Regional Geography - Seminar 2</td>
<td>5</td>
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<td>36</td>
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<tr>
<td><strong>Special Branch of Science (30 ECTS credits)</strong></td>
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<td>Students must select either the focus Physische Geographie (Physical Geography) or the focus Humangeographie (Human Geography).</td>
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<td><strong>Physical Geography (0 or 30 ECTS credits)</strong></td>
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<tr>
<td>04-Geo-SPG1-152-m01</td>
<td>Special Problems of Physical Geography 1 (Earth System: Man and Environment)</td>
<td>5</td>
<td>NUM</td>
<td>18</td>
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<tr>
<td>04-Geo-SPG2-152-m01</td>
<td>Special Problems of Physical Geography 2 (Earth System: Man and Environment)</td>
<td>5</td>
<td>NUM</td>
<td>19</td>
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<tr>
<td>04-Geo-SPG3-152-m01</td>
<td>Special Problems of Physical Geography 3 (Earth System: Man and Environment)</td>
<td>5</td>
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<tr>
<td>04-Geo-FwEG-PG-162-m01</td>
<td>Subject disciplinary complement-module Geography (PG)</td>
<td>5</td>
<td>NUM</td>
<td>43</td>
</tr>
<tr>
<td>04-Geo-MPG1-152-m01</td>
<td>Methods of Physical Geography 1</td>
<td>5</td>
<td>NUM</td>
<td>21</td>
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<td>Type</td>
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<tr>
<td>04-Geo-MPG2-152-m01</td>
<td>Methods of Physical Geography 2</td>
<td>5</td>
<td>NUM</td>
<td>22</td>
</tr>
<tr>
<td>04-Geo-MPG3-152-m01</td>
<td>Methods of Physical Geography 3</td>
<td>5</td>
<td>NUM</td>
<td>23</td>
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<tr>
<td>04-Geo-NRA-152-m01</td>
<td>Natural landscape analysis</td>
<td>5</td>
<td>NUM</td>
<td>24</td>
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<tr>
<td>04-Geo-PPG-152-m01</td>
<td>Applied physical geography</td>
<td>10</td>
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</table>

**Human Geography (0 or 30 ECTS credits)**

<table>
<thead>
<tr>
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<th>Type</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>04-Geo-SHG1-152-m01</td>
<td>Special Issues of Human Geography 1</td>
<td>5</td>
<td>NUM</td>
<td>25</td>
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<tr>
<td>04-Geo-SHG2-152-m01</td>
<td>Special Issues of Human Geography 2</td>
<td>5</td>
<td>NUM</td>
<td>26</td>
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<tr>
<td>04-Geo-SHG3-152-m01</td>
<td>Special Issues of Human Geography 3</td>
<td>5</td>
<td>NUM</td>
<td>27</td>
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<td>04-Geo-FwEG-HG-162-m01</td>
<td>Subject disciplinary complement-module Geography (HG)</td>
<td>5</td>
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<tr>
<td>04-Geo-RPI-152-m01</td>
<td>Spatial Planning and Information</td>
<td>5</td>
<td>NUM</td>
<td>28</td>
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<tr>
<td>04-Geo-QualM-152-m01</td>
<td>Qualitative methods in Human Geography</td>
<td>5</td>
<td>NUM</td>
<td>31</td>
</tr>
<tr>
<td>04-Geo-QuantM-152-m01</td>
<td>Quantitative methods in Human Geography</td>
<td>5</td>
<td>NUM</td>
<td>32</td>
</tr>
<tr>
<td>04-Geo-PHG1-152-m01</td>
<td>Applied Human Geography I (Project-oriented Seminar 1)</td>
<td>8</td>
<td>NUM</td>
<td>29</td>
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<td>04-Geo-PHG2-152-m01</td>
<td>Applied Human Geography II (Project-oriented Seminar 2)</td>
<td>5</td>
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**Key Skills Area (20 ECTS credits)**

**General Key Skills (5 ECTS credits)**

*Students must take modules offered as part of the pool of general transferable skills (ASQ) of JMU.*

**Subject-specific Key Skills (15 ECTS credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Type</th>
<th>Number</th>
</tr>
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<tr>
<td>04-Geo-WAG-152-m01</td>
<td>Scientific Writing and Presentation Skills in Earth Sciences</td>
<td>5</td>
<td>B/NB</td>
<td>37</td>
</tr>
<tr>
<td>04-Geo-PRAK1-152-m01</td>
<td>Job-related Practical Experience 1</td>
<td>5</td>
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<tr>
<td>04-Geo-PRAK2-152-m01</td>
<td>Job-related Practical Experience 2</td>
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<td>B/NB</td>
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</tbody>
</table>

**Thesis (10 ECTS credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Type</th>
<th>Number</th>
</tr>
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<tr>
<td>04-Geo-AA-152-m01</td>
<td>Bachelor Thesis Geography</td>
<td>10</td>
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<td>Module title</td>
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<tr>
<td>General Physical Geography: Exogenic Dynamics - Geomorphology</td>
<td>04-Geo-PG1Ex-152-m01</td>
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<thead>
<tr>
<th>Module coordinator</th>
<th>Module offered by</th>
</tr>
</thead>
<tbody>
<tr>
<td>holder of the Professorship of Physical Geography</td>
<td>Institute of Geography and Geology</td>
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<th>ECTS</th>
<th>Method of grading</th>
<th>Only after succ. compl. of module(s)</th>
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<thead>
<tr>
<th>Duration</th>
<th>Module level</th>
<th>Other prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 semester</td>
<td>undergraduate</td>
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</tr>
</tbody>
</table>

**Contents**

Erosion and accumulation processes and accumulation results: gravitative, fluvial, glacial and periglacial, Aeolian, marin, littoral, solution; monoprocessual large forms, e.g. endogenous/tectonic forms like volcanoes, break clod, fold mountains or Aeolian “Draas” (huge dunes), deflation (enclosed) basins; - polyprocessual large forms, e.g. glacial series, shape of coastlines, escarpments

**Intended learning outcomes**

Students dispose over the following knowledge: 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. These are decisive for understanding the 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.).

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

V (3) + T (1)  
Module taught in: German and/or English

**Method of assessment** (type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus)

written examination (approx. 45 minutes)  
Language of assessment: German and/or English  
credible for bonus

**Allocation of places**  
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**Additional information**  
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**Referred to in LPO I** (examination regulations for teaching-degree programmes)

§ 47 I Nr. 1  
§ 66 I Nr. 1
<table>
<thead>
<tr>
<th>Module title</th>
<th>Abbreviation</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Physical Geography: Endogenic Dynamics - Introduction to Geology</td>
<td>04-Geo-PG1En-152-m01</td>
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</table>

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<tbody>
<tr>
<td>holder of the Professorship of Geodynamics and Geomaterials Research</td>
<td>Institute of Geography and Geology</td>
</tr>
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</thead>
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<td>undergraduate</td>
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</tbody>
</table>

**Contents**

Introduction to "Physical Geography": basics of endogenous dynamics: formation/structure of the Earth, features of important rock forming, ecologically important minerals, volcanism/igneous rocks, plutonism/magma genesis, sediments/sedimentary rocks, metamorphosis; geological structures, ocean floor, plate tectonics, earthquakes, orogenesis, continental crust, distribution of mineral raw materials

**Intended learning outcomes**

The students dispose over basic knowledge of endogenous dynamics

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

V (3) + T (3)

Module taught in: German and/or English

**Method of assessment** (type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus)

written examination (approx. 45 minutes)

Language of assessment: German and/or English
creditable for bonus

**Allocation of places**

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**Additional information**

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

§ 47 I Nr. 1

§ 66 I Nr. 1
<table>
<thead>
<tr>
<th>Module title</th>
<th>Abbreviation</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Physical Geography: Climate System</td>
<td>04-Geo-PG1KI-152-m01</td>
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<tr>
<td>holder of the Professorship of Climatology</td>
<td>Institute of Geography and Geology</td>
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</thead>
<tbody>
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</table>

### Contents
The following basics of the Earth's climate system will be presented: terrestrial and celestial mechanical basics; radiation and energy; vertical and horizontal flow dynamics; data sources, characteristics and variability of the Earth's climate system.

### Intended learning outcomes
The students will gain a basic physical understanding of the Earth's climate system.

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

**V (3)**  
Module taught in: German and/or English

### Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus)

- written examination (approx. 45 minutes)  
  Language of assessment: German and/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)

- § 47 I Nr. 1  
- § 66 I Nr. 1
### General Human Geography Introduction to the Geography of Cities, Towns and Villages

<table>
<thead>
<tr>
<th>Module title</th>
<th>Abbreviation</th>
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<tbody>
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<td>General Human Geography Introduction to the Geography of Cities, Towns and Villages</td>
<td>04-Geo-HG1S-152-m01</td>
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#### Module coordinator
- holder of the Professorship of Geography and Regional Science

#### Module offered by
- Institute of Geography and Geology

<table>
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</table>

#### Contents
Introduction to "Settlement Geography", students will deal with the following topic areas:
- geographical urbanism,
- Geography of rural settlements,
- urban system research,
- urbanisation,
- regional urban types,
- theories of urban development,
- city models

#### Intended learning outcomes
Students dispose over basic knowledge of Urban Geography as well as Geography of Rural Settlements.

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

| V (3) |

Module taught in: German and/or English

#### Method of assessment
(type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus)

- written examination (approx. 45 minutes)

Language of assessment: German and/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)

§ 47 I Nr. 1

§ 66 I Nr. 1
<table>
<thead>
<tr>
<th>Module title</th>
<th>Abbreviation</th>
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<tbody>
<tr>
<td>General Human Geography: Introduction to Economic Geography</td>
<td>04-Geo-HG1W-152-m01</td>
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<tbody>
<tr>
<td>holder of the Professorship of Economic Geography</td>
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**Contents**

Introduction to basic concepts as well as fundamental contents and methods of "Economic Geography". Topics of theoretical "Economic Geography" like the choice of location and system, structure and dynamics of the economic sector, the geographical influence of groups of players and geographical imbalance will be covered. The examination of theories will be made with the help of typical examples and empirical knowledge.

**Intended learning outcomes**

Students dispose over knowledge skills of Economic Geography concerning terms, contents and methods.

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

V (3)

Module taught in: German and/or English

**Method of assessment** (type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus)

written examination (approx. 45 minutes)
Language of assessment: German and/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)

§ 47 I Nr. 1
§ 66 I Nr. 1
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<thead>
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<td>General Human Geography: Introduction to Social and Population Geography</td>
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</table>

### Contents

Introduction to basic concepts as well as fundamental contents and methods of social and "Population Geography". In particular, topics of geographical "Population Geography" and structure, population movement, geographical society research, Vienna-Munich School of Social Geography, social spatial analysis as well as perception, behaviour and action-theoretical approaches will be covered.

### Intended learning outcomes

Students acquire a basic understanding of population and socio-geographical issues. They dispose over skills of central population and socio-geographical terms, scientific approaches and theories as well as of acquired possibilities and their implementation on issues of the Applied Population and Social Geography.

### Courses

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### Method of assessment

- **written examination** (approx. 45 minutes)
- Language of assessment: German and/or English

### Allocation of places

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### Additional information

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### Referred to in LPO I

- § 47 I Nr. 1
- § 66 I Nr. 1
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<th>Module title</th>
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<td>Statistics: Fundamentals of Descriptive and Inferential Statistics</td>
<td>04-Geo-STATU-152-m01</td>
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### Contents

The basics of univariate statistics will be presented, including descriptive statistics, test statistics and measures of correlation.

### Intended learning outcomes

The students achieve methodical skills in terms of univariate statistical methods and data analysis.

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

V (2) + T (2)

Module taught in: German and/or English

### Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus)

written examination (approx. 60 minutes)

Language of assessment: German and/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)

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**Module title**
Statistics: Special and Multivariate Procedures

**Abbreviation**
04-Geo-STATM-152-m01

**Module coordinator**
holder of the Professorship of Climatology

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

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**Contents**
The basics of multivariate statistics will be presented, including multiple regression, spectral analysis and eigenvalue techniques.

**Intended learning outcomes**
The students achieve methodical skills in terms of multivariate statistical methods and data analysis.

**Courses** (type, number of weekly contact hours, language — if other than German)
V (2) + T (2)
Module taught in: German and/or English

**Method of assessment** (type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus)
written examination (approx. 60 minutes)
Language of assessment: German and/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)
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### Module title
Cartography and Geoinformation

### Abbreviation
04-Geo-KART-152-m01

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</table>

### Contents
Introduction to "Cartography" as well as to geodata collection and processing with focus on map projection teaching and map grids, topographical cartography, topical cartography and GIS/geographic information.

### Intended learning outcomes
Students achieve fundamental skills in the area of Cartography and in the systematic dealing with geoinformation.

### Courses (type, number of weekly contact hours, language — if other than German)
V (2) + T (2)

Module taught in: German and/or English

### Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus)

- written examination (approx. 75 minutes)
- Language of assessment: German and/or English
- creditable for bonus

### Allocation of places
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### Additional information
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**Contents**

Introduction to GIS; application examples from Geography, earth and environmental sciences; introduction to GIS ArcGIS; data models to GIS: factual and geometrical data (vector and grid data); geometrical, topological and topical data modelling; data administration with ArcGIS (ArcCatalog); conception and structure of a GIS project (ArcGIS); plain principle, meta data, data format, attribute data; relational data model; software components of ArcGIS (ArcMap, ArcToolbox, ArcInfo Workstation); data acquisition and preparation of geometrical and factual data (digitisation, measurement); administration of geometrical and factual data (introduction to structure of a geodata base); geographical analysis of geodata (linkage, intersection, topical and geographical queries, geographical interpolation, terrain analysis from digital elevation data); interpretation, visualisation and result presentation of geodata (signatures, diagrams and map design, topical maps).

**Intended learning outcomes**

Students achieve knowledge of the type and development, management, processing and presenting of geographical data. They acquire skills in dealing with GIS and in the organisation of GIS projects as well as in the processing and interpretation of spatial analysis of GIS (GIS software).

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

S (2)

Module taught in: German and/or English

**Method of assessment** (type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus)

portfolio (approx. 20 pages, including 3 maps, 2 logs)

Language of assessment: German and/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 Geographical Remote Sensing
Abbreviation: 04-Geo-FERNE-152-m01

Module coordinator: holder of the Professorship of Remote Sensing
Module offered by: Institute of Geography and Geology

ECTS: 5
Method of grading: numerical grade
Duration: 1 semester
Module level: undergraduate
Other prerequisites: --

Contents
The lecture gives an overview of the principles of remote sensing, that are: theoretical basics, history of remote sensing / physical principles (energy and radiation, interactions radiation - atmosphere, interactions radiation - surfaces, objects under investigation: soils, vegetation, water) / thermal remote sensing: radiation laws, radiant temperature, emissivity / detectors: characterisation of remote sensing data, platforms and sensors (passive and active systems, e.g. hyperspectral and LiDAR) / radar remote sensing / radar interferometry / basics for remote sensing parameters (land, atmosphere, oceans).

Intended learning outcomes
The students describe basics of earth observation. They outline and explain the radiation path through the atmosphere to the object under investigation and back to the sensor. They emphasise essential characteristics of remote sensing data, sensors and platforms.

Courses (type, number of weekly contact hours, language — if other than German)
V (2) + T (2)
Module taught in: German and/or English

Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus)
written examination (approx. 45 minutes)
Language of assessment: German and/or English
creditable for bonus

Allocation of places
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Additional information
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Referred to in LPO I (examination regulations for teaching-degree programmes)
§ 66 I Nr. 2
### Module title
Applications of Remote Sensing in Geography

### Abbreviation
04-Geo-FERNA-152-m01

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

### Module offered by
Institute of Geography and Geology

### ECTS
5

### Method of grading
numerical grade

### Duration
1 semester

### Module level
undergraduate

### Other prerequisites
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### Contents
The lecture imparts basic knowledge about the analysis of remote sensing data for geographical questions. First, fundamental understanding of remotely sensed data as geoinformation and later geoinformation in general (geographical data, metadata, spatial overlaying of geodata, geographical information systems) is given. Following topics are analogue, visual image interpretation, digital image processing (calibration, transformation, filter) and atmospheric correction. A focus lies on the digital remote sensing based mapping, i.e. spectral analysis, classification and change detection. Furthermore, basics in modelling of remote sensing parameters is conveyed.

### Intended learning outcomes
The students explain applications of earth observation and remote sensing. They explain geographical data and reflect their essential characteristics. They summarise fundamental aspects of (digital) image processing and assess different methodological approaches for the evaluation of remote sensing data for geographical questions.

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

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Module taught in: German and/or English

### Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus)

- written examination (approx. 45 minutes)
- Language of assessment: German and/or English
- creditable for bonus

### Allocation of places
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### Additional information
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<td>Special Problems of Physical Geography 1 (Earth System: Man and Environment)</td>
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</table>

**Contents**

The module focuses the geofactors bedrock, topography, climate, soils, water, and plants and their relevance for landscape forming processes as well as for land-use. Basic geofactors of natural landscapes related to anthropogenic impact (land-use, settlements, infrastructure, etc.) will be discussed.

**Intended learning outcomes**

The students learn synthesis and integration of their knowledge on geofactors. They are able to consider natural and cultural aspects for site-specific and planning assessment.

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

V (2)

Module taught in: German and/or English

**Method of assessment** (type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus)

written examination (approx. 45 minutes)

Language of assessment: German and/or English

**Allocation of places**

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**Additional information**

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**Contents**

The module serves to deepen the skills in "Special Physical Geography". Selected geofactors and applied problems are in the center of courses.

**Intended learning outcomes**

The module deepens student's knowledge on selected geofactors and their relevance for applied requests.

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

S (2)

Module taught in: German and/or English

**Method of assessment** (type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus)

Presentation (approx. 30 minutes) with related term paper (approx. 20 pages)

Language of assessment: German and/or English

**Allocation of places**

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**Additional information**

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**Contents**

This module comprises a large spectrum of special lectures on selected topics of "Physical Geography" and "Geology".

**Intended learning outcomes**

The students gain a deeper insight into a selected topic and, hence, get the opportunity of orientation for their Bachelor theses and their further education or profession.

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

V (2)

Module taught in: German and/or English

**Method of assessment** (type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus)

written examination (approx. 45 minutes)
Assessment offered: Once a year, winter semester
Language of assessment: German and/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)

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### Contents

This module is dedicated to an advanced methodical knowledge of data analysis in "Physical Geography". There are several alternative courses, e.g. dealing with climatological measurements, climate modelling, geophysical methods, pedologic field methods, remote sensing and advanced GIS applications.

### Intended learning outcomes

The students improve their methodical skills in terms of cartography, data analysis, statistics, lab techniques, modelling and IT techniques, exemplified by means of scientific projects.

### Courses

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Module taught in: German and/or English

### Method of assessment

(type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus)

a) written examination (approx. 45 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) presentation (approx. 30 minutes) or d) portfolio (approx. 20 pages, including 3 maps, 2 logs) or e) term paper (approx. 20 pages)

Language of assessment: German and/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)

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</thead>
<tbody>
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<td>1 semester</td>
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</table>

**Contents**

This module is dedicated to an advanced methodical knowledge of data analysis in "Physical Geography". There are several alternative courses, e.g. dealing with climatological measurements, climate modelling, geophysical methods, pedologic methods, remote sensing and advanced GIS applications.

**Intended learning outcomes**

The students improve their methodical skills in terms of cartography, data analysis, statistics, lab techniques, modelling and IT techniques, exemplified by means of scientific projects.

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

Ü (2)

Module taught in: German and/or English

**Method of assessment** (type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus)

a) written examination (approx. 45 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) presentation (approx. 30 minutes) or d) portfolio (approx. 20 pages, including 3 maps, 2 logs) or e) term paper (approx. 20 pages)

Assessment offered: Once a year, summer semester

Language of assessment: German and/or English

**Allocation of places**

20 places. Should the number of applications exceed the number of available places, places will be allocated according to the number of subject semesters with the individual student's progression through their degree programme being taken into account. Among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become available.

**Additional information**

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

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</table>

**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 practised 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)

Ü (2)  
Module taught in: German and/or English

**Method of assessment** (type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus)

a) written examination (approx. 45 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) presentation (approx. 30 minutes) or d) portfolio (approx. 20 pages, including 3 maps, 2 logs) or e) term paper (approx. 20 pages)

Assessment offered: Once a year, summer semester  
Language of assessment: German and/or English

**Allocation of places**

15 places. Should the number of applications exceed the number of available places, places will be allocated according to the number of subject semesters with the individual student’s progression through their degree programme being taken into account. Among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become available.

**Additional information**

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

§ 66 I Nr. 2
**Module title**
Natural landscape analysis

**Abbreviation**
04-Geo-NRA-152-m01

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

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

**ECTS**
5

**Method of grading**
numerical grade

**Only after succ. compl. of module(s)**
--

**Duration**
1 semester

**Module level**
undergraduate

**Other prerequisites**
--

**Contents**
The module aims to deepen basic knowledge by means of selected landscapes. Theme category groups related to "Physical Geography" are generated by exemplary landscape units. The teaching approach is realised by the application of maps, digital elevation models, geodata, scientific publications as well as by specific problems.

**Intended learning outcomes**
Students learn to apply basic physical-geographic knowledge in landscapes. They gain competences in the practice of geographic working tools.

**Courses**
(type, number of weekly contact hours, language — if other than German)
S (2)
Module taught in: German and/or English

**Method of assessment**
(type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus)
a) written examination (approx. 45 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) presentation (approx. 30 minutes) or d) portfolio (approx. 20 pages, including 3 maps, 2 logs) or e) term paper (approx. 20 pages)

Language of assessment: German and/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)
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<td>1 semester</td>
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</table>

**Contents**

This module deals with and consolidates chosen issues of "Theoretical and Applied Human Geography" from a sub-area of "Human Geography". Presentation of epistemological concepts, contents and methods as well as their significance for scientific works.

**Intended learning outcomes**

Students learn technical theories and achieve solid skills in a sub-area of Human Geography and its applied implementation. They are able to issue a seminar paper on the basis of independent literary work as well as to present the seminar papers in a presentation, which will be held freely.

**Courses**

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

S (2)

Module taught in: German and/or English

**Method of assessment**

(type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus)

presentation (approx. 30 minutes) with related term paper (approx. 20 pages)

Language of assessment: German and/or English

**Allocation of places**

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**Additional information**

--

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

§ 66 I Nr. 1
Module title: Special Issues of Human Geography 2  
Abbreviation: 04-Geo-SHG2-152-m01

Module coordinator: holder of the Professorship of Social Geography
Module offered by: Institute of Geography and Geology

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

Duration: 1 semester  
Module level: undergraduate  
Other prerequisites: --

Contents:
This module deals with chosen issues of "Theoretical and Applied Human Geography" from a sub-area of "Human Geography" (other sub-area as in the module "Special Human Geography 1"). Presentation of epistemological concepts, contents and methods as well as their significance for scientific works.

Intended learning outcomes:
Students learn technical theories and achieve solid skills in a sub-area of Human Geography and its applied implementation. They are able to issue a seminar paper on the basis of independent literary work as well as to present the seminar papers in a presentation, which will be held freely.

Courses (type, number of weekly contact hours, language — if other than German):
S (2)  
Module taught in: German and/or English

Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus):
presentation (approx. 30 minutes) with related term paper (approx. 20 pages)  
Language of assessment: German and/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):
§ 66 I Nr. 2
Module title: Special Issues of Human Geography 3
Abbreviation: 04-Geo-SHG3-152-m01

Module coordinator: holder of the Professorship of Social Geography
Module offered by: Institute of Geography and Geology

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

Duration: 1 semester
Module level: undergraduate
Other prerequisites: --

Contents:
Deepening lecture concerning a sub-area of "Human Geography" with presentation of chosen examples of human-geographical research and working practice and consolidation of chosen and research-related topic areas of "Human Geography".

Intended learning outcomes:
Students learn technical theories and achieve advanced skills in a sub-area of Human Geography and its applied implementation.

Courses (type, number of weekly contact hours, language — if other than German)
V (2)
Module taught in: German and/or English

Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus)
written examination (approx. 45 minutes)
Assessment offered: Once a year, summer semester
Language of assessment: German and/or English

Allocation of places: --

Additional information: --

Referred to in LPO 1 (examination regulations for teaching-degree programmes): --
**Module title**  
Spatial Planning and Information

**Abbreviation**  
04-Geo-RPI-152-m01

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<td>Institute of Geography and Geology</td>
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<tbody>
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<td>1 semester</td>
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**Contents**

No information on contents available.

**Intended learning outcomes**

No information on intended learning outcomes available.

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

S (2)  
Module taught in: German and/or English

**Method of assessment** (type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus)

- a) portfolio (approx. 20 pages, including 2 maps, 5 logs) or b) written examination (approx. 45 minutes) or c) presentation (approx. 30 minutes) with related term paper (approx. 20 pages)
- Language of assessment: German and/or English

**Allocation of places**

--

**Additional information**

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

§ 66 I Nr. 2
Module title: Applied Human Geography I (Project-oriented Seminar 1)

Abbreviation: 04-Geo-PHG1-152-m01

Module coordinator: holder of the Professorship of Social Geography

Module offered by: Institute of Geography and Geology

ECTS: 8

Method of grading: numerical grade

Only after succ. compl. of module(s): --

Duration: 1 semester

Module level: undergraduate

Other prerequisites: --

Contents:
Large project seminar concerning a selected issue of "Applied Human Geography". Students will use survey tools, collect data, analyse data and present their results.

Intended learning outcomes:
Students achieve the following skills: Application of the already acquired technical and methodological basics to practical issues of spatial planning and development by using empirical research methods; Elaboration of action-orientated problem solutions; Presentation of results; Skills concerning the application of empirical survey and analysis methodology, project thesis, team spirit, result-orientated methods, acquisition of communicative techniques.

Courses (type, number of weekly contact hours, language — if other than German):
S (2)
Module taught in: German and/or English

Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus):
a) presentation (approx. 30 minutes) with related term paper (approx. 30 pages) or b) portfolio (approx. 30 pages, including 2 maps, 5 logs) or d) project (approx. 40 pages)
Assessment offered: Once a year, winter semester
Language of assessment: German and/or English

Allocation of places:
20 places. Should the number of applications exceed the number of available places, places will be allocated according to the number of subject semesters with the individual student's progression through their degree programme being taken into account. Among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become available.

Additional information:
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Referred to in LPO I (examination regulations for teaching-degree programmes):
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### Module title

**Applied Human Geography II (Project-oriented Seminar 2)**

### Abbreviation

04-Geo-PHG2-152-m01

### Module coordinator

holder of the Professorship of Social Geography

### Module offered by

Institute of Geography and Geology

### ECTS

5

### Method of grading

Numerical grade

### Only after succ. compl. of module(s)

--

### Duration

1 semester

### Module level

Undergraduate

### Other prerequisites

--

### Contents

Small project seminar concerning a chosen issue of "Human Geography". Students will use survey tools, collect data, analyse data and present their results.

### Intended learning outcomes

Students achieve the following skills: The technical and methodological basics that have already been acquired, can be applied to practical issues of Human Geography and development by using empirical research methods; Presentation of results; They learn how to apply skills of empirical survey and analysis methodology, project thesis, team spirit, result-orientated methods, acquisition of communicative techniques.

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

S (2)

Module taught in: German and/or English

### Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus)

a) presentation (approx. 30 minutes) with related term paper (approx. 20 pages) or b) project (approx. 30 pages)

Assessment offered: Once a year, summer semester

Language of assessment: German and/or English

### Allocation of places

20 places. Should the number of applications exceed the number of available places, places will be allocated according to the number of subject semesters with the individual student's progression through their degree programme being taken into account. Among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become available.

### Additional information

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

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Module title | Qualitative methods in Human Geography
---|---
Abbreviation | 04-Geo-QualM-152-m01

Module coordinator | holder of the Professorship of Social Geography
Module offered by | Institute of Geography and Geology

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

Duration | Module level | Other prerequisites
---|---|---
1 semester | undergraduate | --

Contents
Methodological basics of qualitative social research (phenomenology, hermeneutics, constructivism, grounded theory). Introduction to methods of qualitative social research (ethnography, discussions, interviews, observations, content analysis etc.). Presentation of single qualitative methods, which are used in the regional development and management.

Intended learning outcomes
Students are able to conceptualise and process certain topics with the help of qualitative methods. Students have knowledge of methodological principles of the qualitative social research and thus, are able to choose suitable methods, to use them and reflect them critically. They are aware of their individual role as a researcher in the field and, moreover, are able to reflect and integrate this into the research practice constructively. Students gain further skills concerning the use and evaluation of texts, writing skills, creative techniques and communication skills.

Courses (type, number of weekly contact hours, language — if other than German)
Ü (2)
Module taught in: German and/or English

Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus)
a) portfolio (approx. 30 pages, including 2 maps, 5 logs) or b) project (approx. 20 minutes) or c) presentation (approx. 30 minutes) with related term paper (approx. 20 pages)
Language of assessment: German and/or English creditable for bonus

Allocation of places
--

Additional information
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Referred to in LPO I (examination regulations for teaching-degree programmes)
§ 66 I Nr. 2
### Module title
Quantitative methods in Human Geography

### Abbreviation
04-Geo-QuantM-152-m01

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<tr>
<td>1 semester</td>
<td>undergraduate</td>
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</table>

### Contents
This module includes processes of quantitative area studies, multivariate statistical processes, processes of geographical modelling. Presentation and discussion of methods. Application of methods based on typical examples.

### Intended learning outcomes
Students achieve the following skills: The application of procedural issues to regional-analytical and quantitative methods, the evaluation and assessment of the application and efficiency of processes.

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

<table>
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### Method of assessment
(type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus)

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Assessment offered: Once a year, summer semester

Language of assessment: German and/or English

Creditable for bonus

### Allocation of places
20 places. Should the number of applications exceed the number of available places, places will be allocated according to the number of subject semesters with the individual student's progression through their degree programme being taken into account. Among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become available.

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

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<td>Institute of Geography and Geology</td>
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### Contents

Issues 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).

### Intended learning outcomes

Students dispose over the following skills: Students will apply general-geographical skills to regional-related issues, particularly the partial steps: 1. Differentiation and characterisation of a region, 2. Emphasis on specific problems and spatial interactions as well as 3. Synthesis and demonstration of perspectives/problem solutions with thematic emphasis.

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

- **V (2)**  
  Module taught in: German and/or English

### Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus)

- a) written examination (approx. 45 minutes) or b) oral examination of one candidate each (approx. 15 minutes) or  
  - c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate)

Language of assessment: German and/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)

- § 47 I Nr. 2
- § 66 I Nr. 1
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</table>

**Contents**

Issues of "General Geography" in terms of global subspaces. This can be individual continents as well as distinct subspaces due to their lay like North America or the Arabian Peninsula.

**Intended learning outcomes**

Students dispose over the following skills: Students will apply general-geographical skills to regional-related issues, particularly the partial steps: 1. Differentiation and characterisation of a region, 2. Emphasis on specific problems and spatial interactions as well as 3. Synthesis and demonstration of perspectives/problem solutions with thematic emphasis.

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

V (2)

Module taught in: German and/or English

**Method of assessment** (type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus)

a) written examination (approx. 45 minutes) or b) oral examination of one candidate each (approx. 15 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate)

Language of assessment: German and/or English

**Allocation of places**

--

**Additional information**

--

**Referred to in LPO 1** (examination regulations for teaching-degree programmes)

§ 47 I Nr. 2
§ 66 I Nr. 1
### Module title
Regional Geography - Seminar 1

### Abbreviation
04-Geo-RG-S1-152-m01

### Module coordinator
holder of the Professorship 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)
--

### Duration
1 semester

### Module level
undergraduate

### Other prerequisites
--

### Contents
Issues of "General Geography" in terms of global subspaces. This can be individual states as well as distinctive European subspaces due to their lay (e.g. North America, Alpine countries) or individual continents or distinctive subspaces due to their lay like North America or the Arabian Peninsula.

### Intended learning outcomes
Students dispose over the following skills: Students will apply general-geographical skills to regional-related issues, particularly the partial steps: 1. Differentiation and characterisation of a region, 2. Emphasis on specific problems and spatial interactions as well as 3. Synthesis and demonstration of perspectives/problem solutions with thematic emphasis.

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

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### Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus)

- presentation (approx. 30 minutes) with related term paper (approx. 20 pages)
- Language of assessment: German and/or English

### Allocation of places
20 places. Should the number of applications exceed the number of available places, places will be allocated according to the number of subject semesters with the individual student's progression through their degree programme being taken into account. Among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become available.

### Additional information
--

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

§ 66 I Nr. 1
Module title | Abbreviation
--- | ---
Regional Geography - Seminar 2 | 04-Geo-RG-S2-152-m01

<table>
<thead>
<tr>
<th>Module coordinator</th>
<th>Module offered by</th>
</tr>
</thead>
<tbody>
<tr>
<td>holder of the Professorship of Physical Geography</td>
<td>Institute of Geography and Geology</td>
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<tr>
<th>ECTS</th>
<th>Method of grading</th>
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<tr>
<th>Duration</th>
<th>Module level</th>
<th>Other prerequisites</th>
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<tbody>
<tr>
<td>1 semester</td>
<td>undergraduate</td>
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</table>

**Contents**

Issues of "General Geography" in terms of global subspaces. This can be individual states as well as distinctive European subspaces due to their lay (e.g. North America, Alpine countries) or individual continents or distinctive subspaces due to their lay like North America or the Arabian Peninsula.

**Intended learning outcomes**

Students dispose over the following skills: Students will apply general-geographical skills to regional-related issues, particularly the partial steps: 1. Differentiation and characterisation of a region, 2. Emphasis on specific problems and spatial interactions as well as 3. Synthesis and demonstration of perspectives/problem solutions with thematic emphasis.

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

S (2)
Module taught in: German and/or English

**Method of assessment** (type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus)

Presentation (approx. 30 minutes) with related term paper (approx. 20 pages)
Assessment offered: Once a year, summer semester
Language of assessment: German and/or English

**Allocation of places**

20 places. Should the number of applications exceed the number of available places, places will be allocated according to the number of subject semesters with the individual student's progression through their degree programme being taken into account. Among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become available.

**Additional information**

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

§ 66 I Nr. 2
<table>
<thead>
<tr>
<th>Module title</th>
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<tbody>
<tr>
<td>Scientific Writing and Presentation Skills in Earth Sciences</td>
<td>04-Geo-WAG-152-m01</td>
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</table>

**Module coordinator**  
holder of the Professorship of Geography and Regional Science

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

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</table>

**Contents**

Students will be provided with basics of scientific work in Geography: This includes dealing with literature, conception and writing of scientific texts as well as being able to present in an university style.

**Intended learning outcomes**

Students achieve basics concerning methods of scientific work. This refers to the fundamental design of scientific texts and oral presentations, application adequate working techniques as well as the necessary information competence.

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

T (2)
Module taught in: German and/or English

**Method of assessment** (type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus)

presentation with or without slides (approx. 30 minutes)  
Language of assessment: German and/or English  
creditable for bonus

**Allocation of places**

--

**Additional information**

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

--
### Module title
Job-related Practical Experience 1

### Abbreviation
04-Geo-PRAK1-152-m01

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

### Module offered by
Institute of Geography and Geology

### ECTS
5

### Method of grading
Only after succ. compl. of module(s)

### (not) successfully completed
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### Duration
undergraduate

### Other prerequisites
--

## Contents
The work placement has to be completed in a module-relevant office or company, which fits the professional career the student is looking for or must be completed by field work for four 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 receive first insights into job opportunities of geographers at an employer during a four-week work placement. Thus, students will have the opportunity to establish contacts and to get in touch with different vocational practices.

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

P (0)
Module taught in: German and/or English

### Method of assessment
(type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus)

Language of assessment: German and/or English

### Allocation of places
--

### Additional information
Students must submit a letter issued by the institution at which they completed their placement. This letter must confirm the start and end dates as well as the contents of the placement.

### 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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<tr>
<td>Job-related Practical Experience 2</td>
<td>04-Geo-PRAK2-152-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**

undergraduate

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<tr>
<th>Other prerequisites</th>
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</table>

**Contents**

The work placement has to be completed in a module-relevant office or company, which fits the professional career the student is looking for or must be completed by field work for four 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 receive first insights into job opportunities of geographers at an employer during a four-week work placement. Thus, students will have the opportunity to establish contacts and to get in touch with different vocational practices.

**Courses**

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

P (0)

Module taught in: German and/or English

**Method of assessment**

(type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus)

Language of assessment: German and/or English

**Allocation of places**

--

**Additional information**

Students must submit a letter issued by the institution at which they completed their placement. This letter must confirm the start and end dates as well as the contents of the placement.

**Referred to in LPO I**

(examination regulations for teaching-degree programmes)

--
### Module title

**Bachelor Thesis Geography**

<table>
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<th>Abbreviation</th>
<th>04-Geo-AA-152-m01</th>
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**Module coordinator**

Chairperson of examination committee Bachelor Geography (Geography)

**Module offered by**

Institute of Geography and Geology

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<td>10</td>
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</table>

**Duration**

- Module level: undergraduate
- Other prerequisites: --

### Contents

Adhering to the principles of good scholarly practice, students will independently process a scientific issue and produce a bachelor’s thesis.

### Intended learning outcomes

Students have the following skills:
- Ability to produce a scientific work (description and analysis of a problem, literature research, theory reference, interpretation of data, logical conclusions and solution approaches of a scientific issue) on their own.
- Linguistic competence.
- Ability to accomplish tasks in a given time period.

### Courses

No courses assigned to module

Module taught in: German and/or English

**Method of assessment** (type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus)

- Bachelor’s thesis (approx. 40 pages)
- Language of assessment: German and/or English

### Allocation of places

--

### Additional information

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### Referred to in LPO I

(examination regulations for teaching-degree programmes)

--
Module title | Abbreviation
---|---
Applied physical geography | 04-Geo-PPG-152-m01

Module coordinator | Module offered by
holder of the Professorship of Climatology | Institute of Geography and Geology

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

Duration | Module level | Other prerequisites
---|---|---
2 semester | undergraduate | --

Contents
This module consists of an applied project dealing with a specific issue in "Physical Geography" and comprising the following procedures: data collection, data analysis and presentation of results.

Intended learning outcomes
The students learn how to practically implement a given objective in Physical Geography. They also gain experience in independent and autonomous teamwork.

Courses (type, number of weekly contact hours, language — if other than German)
S (4)
Module taught in: German and/or English

Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus)
a) project (approx. 30 pages) or b) presentation (approx. 30 minutes) or c) term paper (approx. 20 pages)
Assessment offered: Once a year, summer semester
Language of assessment: German and/or English

Allocation of places
max. 20 places. Should the number of applications exceed the number of available places, places will be allocated according to the number of subject semesters with the individual student's progression through their degree programme being taken into account. Among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become available.

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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<tbody>
<tr>
<td>Field trip/-s (5 days or more)</td>
<td>04-Geo-Exkurs-162-m01</td>
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<table>
<thead>
<tr>
<th>Module coordinator</th>
<th>Module offered by</th>
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<tbody>
<tr>
<td>Managing Director of the Institute of Geography</td>
<td>Institute of Geography and Geology</td>
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**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). It is also possible to participate in smaller excursions/field-trips (one to few days) to cities, city-regions or landscape regions in Germany or neighbouring countries.

**Intended learning outcomes**

Students have 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 (0)

Module taught in: German and/or English

**Method of assessment** (type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus)

a) field trip log (approx. 15 pages) or b) presentation (approx. 30 minutes) with handout (approx. 3 pages)

Language of assessment: German and/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)

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## Subdivided Module Catalogue for the Subject Geography major in a Bachelor's degree programme, 120 ECTS credits

<table>
<thead>
<tr>
<th>Module title</th>
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<tbody>
<tr>
<td>Subject disciplinary complement-module Geography (PG)</td>
<td>04-Geo-FwEG-PG-162-m01</td>
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</tbody>
</table>

### Contents

Courses that add on technical skills, e.g. seminars or lectures like "Special Physical Geography" on contents of specific subdisciplines of "Physical Geography" (e.g. geomorphology, soil geography, climate research, vegetation on geography, landscape ecology)

### Intended learning outcomes

Students acquire additional skills in order to understand the synthesis and interconnectedness of the skills, which they have already acquired, concerning the landscape dominating processes on the Earth’s surface, driven by geofactors, such as 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 (type, number of weekly contact hours, language — if other than German)

S (2)

Module taught in: German and/or English

### Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus)

a) written examination (approx. 45 minutes) or b) presentation (approx. 30 minutes) with related term paper (approx. 20 pages)

Language of assessment: German and/or English

### Allocation of places

max. 20 places. Should the number of applications exceed the number of available places, places will be allocated according to the number of subject semesters with the individual student’s progression through their degree programme being taken into account. Among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become available.

### Additional information

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

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Module title  

Subject disciplinary complement-module Geography (HG)  

Abbreviation  

04-Geo-FwEG-HG-162-m01

Module coordinator  

holder of the Professorship of Economic Geography

Module offered by  

Institute of Geography and Geology

ECTS  

5

Method of grading  

numerical grade

Only after succ. compl. of module(s)

Duration  

1 semester

Module level  

undergraduate

Other prerequisites

Contents

Courses that consolidate technical skills, e.g. seminars or lectures like "Special Human Geography" on contents of specific subdisciplines (e.g. cultural geography, specific topic areas of settlement geography, tourism sector geography, energy geography, area and regional as well as environmental planning)

Intended learning outcomes

Students are acquainted with further specific theories and dispose over solid knowledge of another sub-area of Human Geography and know, how to implement this knowledge.

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

S (2)

Module taught in: German and/or English

Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module can be chosen to earn a bonus)

a) written examination (approx. 45 minutes) or b) presentation (approx. 30 minutes) with related term paper (approx. 20 pages)

Language of assessment: German and/or English

Allocation of places

max. 20 places. Should the number of applications exceed the number of available places, places will be allocated according to the number of subject semesters with the individual student's progression through their degree programme being taken into account. Among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become available.

Additional information

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

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