Subdivided 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: 2015
Responsible: Faculty of Arts, Historical, Philological, Cultural and Geographical Studies
Responsible: Institute of Geography and Geology
Course of Studies - Contents and Objectives

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. Specifically, the following student outcomes (knowledge, skills and competencies) are achieved:

- Expert knowledge about geography, geoscience and spatial science.
- Overview of the relationship of their own disciplines and neighboring disciplines.
- Ability to identify, formulate and - supported by personally researched literature - solve subject-specific as well as interdisciplinary problems and tasks related to the environment.
- Processing of analysis, synthesis and development tasks with particular reference to scientific, technical, social, ecological, economic and social constraints and standards by means of appropriate methods and the application of adequate working techniques (particularly regarding EDP).
- Preparation for flexible employment in various professional areas through methodical, subject-specific and interdisciplinary skills.
- Capability to discuss geographical contents and problems with peers and colleagues and to explain them to a more diverse audience.
- Ability to work independently as well as cooperatively, to effectively organize and carry out projects and to develop into and assume managerial responsibilities.
- Preparation for their start into professional (industrial or scientific) life by sufficient practical experience and vocational training.

The final examination is to determine whether the geographical aspects taught during the program of studies have been understood, and whether the candidate has achieved the skill to apply the scientific methods. The goal of the examination is the achievement of an internationally comparable degree in Geography representing, in the framework of consecutive undergraduate studies towards a Bachelors and Masters degree, a first certification with professional qualifications, which is, among others, a prerequisite to subsequent Master study programs.
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:

ASPO2015

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

28-Sep-2015 (2015-160)

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.
The subject is divided into

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<td>04-Geo-PHG1-152-m01</td>
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**Regional Geography (20 ECTS credits)**

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**Minor Group (30 ECTS credits)**

Students must select one out of the three groups of supplementary subjects.

**Structure and Process Analysis of the Natural Environment (0 or 30 ECTS credits)**

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**Methodology and Applications of Remote Sensing (0 or 30 ECTS credits)**

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<td>11-PFNF-152-m01</td>
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<td>07-4A4FLO-152-m01</td>
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**Economics, Social Sciences and Humanities (0 or 30 ECTS credits)**

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<td>12-NW-EVWL-152-m01</td>
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<td>02-J1-152-m01</td>
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<td>10-I-EIN-152-m01</td>
<td>Introduction to Computer Science for Students of all Faculties</td>
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<td>04-Geo-FwEG1-152-m01</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)**

**Thesis (12 ECTS credits)**
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<tr>
<td>Modern South Asia: history, applied geography,</td>
<td>04-IB1-1-152-m01</td>
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<td>politics, society</td>
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**Contents**

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

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

V (1) + 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)

written examination (approx. 240 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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<table>
<thead>
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<td>Modern India as reflected in its literature</td>
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**Contents**

This course will introduce students to key aspects of Indian regional studies and politics as well as of the society and modern history of India, using selected texts from 20th and 21st-century regional language literatures.

**Intended learning outcomes**

Students have acquired a basic knowledge of the history of the various regional language literatures. Keeping in mind their constructedness, they are able to use the respective texts as sources on modern South Asian regional studies as well as the political system, culture, and society of modern South Asia.

**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. 20 minutes) and written examination (approx. 90 minutes), weighted 40:60
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>Social Anthropology of India</td>
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**Contents**

Discussion of the fundamental principles of the social anthropology of India. An "insider's view" of Indian society. Family structures, the concept of the person, marriage, castes and social hierarchies in South Asia.

**Intended learning outcomes**

Students are familiar with the methods and theories of the social anthropology of India. They are able to gain a differentiated understanding of foreign cultures.

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

V (1) + 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. 20 minutes) and term paper (approx. 10 pages) or b) presentation (approx. 20 minutes) and written examination (approx. 90 minutes), weighted 2:3

Language of assessment: German and/or English

**Allocation of places**

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**Additional information**

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**Contents**

This course will explore selected topics in the social anthropology of India in more depth. Topics include but are not limited to: "society and Dalit culture", "gender relations", "caste and class", "migration and diaspora".

**Intended learning outcomes**

Students are familiar with the methods and theories of selected aspects of the social anthropology of India. They are able to gain a differentiated understanding of foreign cultures.

**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. 20 minutes) and term paper (approx. 10 pages) or b) presentation (approx. 20 minutes) and written examination (approx. 90 minutes), weighted 2:3
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**

Introduction to the philosophies of life, the customs as well as thought and action patterns in Indian culture. Reflection on the mindsets and thought patterns in the students' own (German) culture. Differences in communication styles between India and Germany. Causes of conflict in intercultural encounters.

**Intended learning outcomes**

Students have developed an awareness of how their cultural background influences the way they act, and they are familiar with social structures in India. The development of this awareness and familiarity is necessary for students to acquire intercultural competence.

**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. 20 minutes) and term paper (approx. 10 pages) or b) presentation (approx. 20 minutes) and written examination (approx. 90 minutes), weighted 2:3

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**

Introduction to developments in Indian economy and economic policy, discussion of topical issues in Indian economy and what underlies these issues.

**Intended learning outcomes**

Students are familiar with economic structures in India. Equipped with the necessary theoretical background and proficient in relevant methods, they are able to independently analyse developments in the South Asian economy.

**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)

written examination (approx. 90 to 120 minutes)

Language of assessment: German and/or English

**Allocation of places**

--

**Additional information**

--

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

--
Module title | Plant and Animal Ecology
---|---
Abbreviation | 07-3A3OEKO-152-m01

**Module coordinator** | Dean of Studies Biologie (Biology)
---|---
**Module offered by** | Faculty of Biology

| ECTS | 6 |
---|---|
| Method of grading | numerical grade |
| Only after succ. compl. of module(s) | -- |

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

**Contents**

This module will provide students with an overview of the interactions of plants and animals with their abiotic and biotic environments. The module will focus on the functional adaptation to environmental conditions as well as on the structure and dynamics of populations, communities and ecosystems. Students will be introduced to fundamental model concepts of ecology, will become familiar with examples of research findings and will acquire the fundamental knowledge necessary to develop an understanding of current ecological problems.

**Intended learning outcomes**

Students are familiar with the fundamental principles of research in the field of ecology and with the most important abiotic and biotic factors that influence the distribution and frequency of occurrence of organisms in their environment. In addition, they understand the scientific relevance ecology has to the assessment of environmental issues.

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

V (2) + Ü (2)

**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. 90 minutes)
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)

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### 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 (4) + V (3)

### 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 (60 to 120 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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**Contents**

Simple experiments in the fields of mechanics, vibration theory, thermodynamics, optics, X-rays, nuclear magnetic resonance, Atomic and Nuclear Physics, imaging methods.

**Intended learning outcomes**

The students have detected and understood physical contexts on the basis of the implementation of own experiments. They have a basic understanding of physical phenomena and know the basic ideas and ways of functioning of different measuring and imaging methods as well as their applications, especially in the field of Biomedicine.

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

P (4)

**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) practical assignment with oral test (approx. 15 minutes, during experiments) and b) written examination (90 minutes).

Each experiment comprises preparation, performance and evaluation. Test as well as performance of experiments can each be repeated once.

**Allocation of places**

Only as part of pool of general transferable skills (ASQ): 10 places (lottery)

**Additional information**

--

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

--
**Module title** | **Abbreviation**
---|---
Philosophical principles of sciences I | 06-Ph-B-P2/1-152-m01

**Module coordinator**
holder of the Chair of Theoretical Philosophy

**Module offered by**
Institute of Philosophy

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**Duration**
1 semester

**Module level**
undergraduate

**Other prerequisites**
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**Contents**
Introduction to the theory of intellectual disciplines and to the historical and philosophical bases of the individual intellectual disciplines.

**Intended learning outcomes**
Insight into the relationship of philosophy to individual intellectual disciplines; ability to reflect on the historical and intellectual origins of our knowledge culture; insight into the scope and limits of various intellectual disciplines; familiarity with, and ability to criticize, basic assumptions of visions of the world and systems of thought.

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

**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 (45 minutes)

**Allocation of places**
Only as part of pool of general transferable skills (ASQ): 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. 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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**Contents**

Introduction to the historical and philosophical bases of individual intellectual disciplines, especially the humanities, the social sciences, the natural sciences, and the technical sciences.

**Intended learning outcomes**

Insight into the relationship of philosophy to the individual intellectual disciplines; ability to reflect on the historical and intellectual origins of our knowledge culture; insight into the scope and limits of various intellectual disciplines; familiarity with, and ability to criticize, basic assumptions of visions of the world and systems of thought; ability to analyze philosophical texts and positions; ability to organize concepts and philosophical positions into overarching intellectual schemata.

**Courses**

(S (2))

**Method of assessment**

written examination (90 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 title
Theoretical Philosophy I

### Abbreviation
06-Ph-B-P3/1-152-m01

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### Contents
Introduction to theoretical philosophy by systematic analysis of fundamental problems, historical traditions, and paradigmatic texts.

### Intended learning outcomes
An overview of basic problems and positions in theoretical philosophy; an overview of systems and disciplines within theoretical philosophy; familiarity with, and ability to evaluate, methods of argumentation and justification within theoretical philosophy.

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

V (2)

### 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 (45 minutes)

### Allocation of places
Only as part of pool of general transferable skills (ASQ): 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. 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)

--
Module title: Theoretical Philosophy II
Abbreviation: 06-Ph-B-P3/2-152-m01

Module coordinator: holder of the Chair of Theoretical Philosophy
Module offered by: Institute of Philosophy

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

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

Contents
Introduction to fundamental systematic problems and historical traditions in theoretical philosophy by the reading and discussion of paradigmatic texts.

Intended learning outcomes
Insight into basic problems and positions in theoretical philosophy; ability to analyze philosophical texts and positions; ability to organize concepts and philosophical positions into overarching intellectual schemata; ability to present philosophical positions in a structured and linguistically appropriate manner.

Courses (type, number of weekly contact hours, language — if other than German)
S (2)

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 (90 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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**Contents**

Introduction to practical philosophy by the systematic analysis of fundamental problems, historical traditions, and paradigmatic texts.

**Intended learning outcomes**

Overview of fundamental problems and positions in practical philosophy; overview of systems and disciplines in practical philosophy; knowledge of, and ability to evaluate, methods of argumentation and justification within practical philosophy.

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

V (2)

**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 (45 minutes)

**Allocation of places**

Only as part of pool of general transferable skills (ASQ): 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. 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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### Contents

Introduction to fundamental systematic problems and historical traditions in practical philosophy by the reading and discussion of paradigmatic texts.

### Intended learning outcomes

Insight into basic problems and positions in practical philosophy; ability to analyze philosophical texts and positions; ability to organize concepts and philosophical positions into overarching intellectual schemata; ability to present philosophical positions in a structured and linguistically appropriate manner.

### Courses

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### Method of assessment

- oral examination (approx. 25 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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### Contents

Introduction to the history of philosophy by the systematic analysis of fundamental problems, historical traditions and paradigmatic texts.

### Intended learning outcomes

Overview of fundamental problems and positions in the history of philosophy; ability to use and distinguish between different methods of historiography; familiarity with, understanding of, and ability to evaluate methods and questions of scholarly inquiry with respect to the history of philosophy.

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

V (2)

### 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 (45 minutes)

### Allocation of places

Only as part of pool of general transferable skills (ASQ): 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. 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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**Contents**

Introduction to the history of philosophy by reading and discussing paradigmatic historical texts on systematic fundamental problems and historical traditions.

**Intended learning outcomes**

Knowledge of, understanding of, and ability to evaluate scholarly inquiry with respect to the history of philosophy; knowledge of, understanding of, and ability to evaluate historical philosophical positions; ability to analyze philosophical texts and positions; ability to organize concepts and philosophical positions into overarching intellectual schemata; ability to present philosophical positions in a structured and linguistically appropriate manner.

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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)

term paper (10 to 12 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)

§ 32 I Nr. 1 c)
### Module title

**Basic disciplines of theoretical philosophy: Metaphysics and Epistemology**

### Abbreviation

06-Ph-B-W5-152-m01

### Module coordinator

holder of the Chair of Theoretical Philosophy

### Module offered by

Institute of Philosophy

### ECTS

5

### Method of grading

Numerical grade

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

--

### Duration

1 semester

### Module level

Undergraduate

### Other prerequisites

--

### Contents

Problems in and theoretical models of basic disciplines of theoretical philosophy.

### Intended learning outcomes

Insight into the fundamental disciplines of theoretical philosophy; ability to analyse philosophical texts and issues; ability to follow the rules of scholarly work; ability to apply general principles of argumentation such as transparency, consistency, discursivity, completeness, and generalisability; ability to independently develop philosophical ideas and to present them in a structured, linguistically appropriate, and rhetorically practised manner.

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

S (2)

### 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)

term paper (10 to 12 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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**Contents**

Problems in and theoretical models of special disciplines of theoretical philosophy.

**Intended learning outcomes**

Insight into selected special disciplines of theoretical philosophy; ability to analyse philosophical texts and issues; ability to follow the rules of scholarly work; ability to apply general principles of argumentation such as transparency, consistency, discursivity, completeness, and generalisability; ability to independently develop philosophical ideas and to present them in a structured, linguistically appropriate, and rhetorically practised manner.

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

S (2)

**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)

term paper (10 to 12 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)

§ 32 I Nr. 1 c)
Module title | Abbreviation
---|---
Basic disciplines of practical philosophy | 06-Ph-B-W7-152-m01

Module coordinator | Module offered by
holder of the Chair of Practical Philosophy | Institute of Philosophy

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

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

**Contents**
Problems in and theoretical models of basic disciplines of practical philosophy.

**Intended learning outcomes**
Insight into the fundamental disciplines of practical philosophy; ability to analyse philosophical texts and issues; ability to follow the rules of scholarly work; ability to apply general principles of argumentation such as transparency, consistency, discursivity, completeness, and generalisability; ability to independently develop philosophical ideas and to present them in a structured, linguistically appropriate, and rhetorically practised manner.

**Courses** (type, number of weekly contact hours, language — if other than German)
S (2)

**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)

term paper (10 to 12 pages)

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

Problems in and theoretical models of special disciplines of practical philosophy.

**Intended learning outcomes**

Insight into selected special disciplines of practical philosophy; ability to analyse philosophical texts and issues; ability to follow the rules of scholarly work; ability to apply general principles of argumentation such as transparency, consistency, discursivity, completeness, and generalisability; ability to independently develop philosophical ideas and to present them in a structured, linguistically appropriate, and rhetorically practised manner.

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

S (2)

**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)

term paper (10 to 12 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)

§ 32 I Nr. 1 c)
Module title: Problems of Older Philosophy  
Abbreviation: 06-Ph-B-W9-152-m01

Module coordinator: holder of the Chair of the History of Philosophy  
Module offered by: Institute of Philosophy

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

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

Contents
Problems in and theoretical models of ancient and medieval philosophy.

Intended learning outcomes
Ability to analyse philosophical problems of older philosophy (ancient/medieval); in-depth knowledge of the history of philosophical concepts, arguments, and theories; ability to apply general principles of argumentation such as transparency, consistency, discursivity, completeness, and generalisability; ability to independently develop philosophical ideas and to present them in a structured, linguistically appropriate, and rhetorically practiced manner.

Courses (type, number of weekly contact hours, language — if other than German)
S (2)

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)
oral examination (approx. 25 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)
§ 32 I Nr. 1 c)
### Module title
Problems of Modern Philosophy

### Abbreviation
06-Ph-B-W10-152-m01

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### Contents
Reading and discussion of selected problems in modern philosophy.

### Intended learning outcomes
Ability to analyse philosophical problems of modern philosophy (early modern to contemporary); in-depth knowledge of the history of philosophical concepts, arguments, and theories; ability to apply general principles of argumentation such as transparency, consistency, discursivity, completeness, and generalisability; ability to present philosophical issues in a structured and linguistically and rhetorically appropriate way.

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

### 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)
oral examination (approx. 25 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)
§ 32 I Nr. 1 c)
Module title
Introduction to Computer Science for Students of all Faculties

Abbreviation
10-I-EIN-152-m01

Module coordinator
Dean of Studies Informatik (Computer Science)

Module offered by
Institute of Computer Science

ECTS
10

Method of grading
numerical grade

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

Duration
1 semester

Module level
undergraduate

Other prerequisites
--

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 (type, number of weekly contact hours, language — if other than German)
V (4) + Ü (2)

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 to 120 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)
--
### Module title

**Introduction to Business Administration - Minor**

### Abbreviation

12-NW-EBWL-152-m01

### Module coordinator

holder of the Chair of Chair of Business Management, Controlling and Accounting

### Module offered by

Faculty of Business Management and Economics

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### Contents

This course aims to provide non-specialist students with an overview of the structure and the ways of thinking of modern business administration. In this context, we will also apply selected conventional tools for the description and solution of problems in selected areas of the subject.

Outline of syllabus

1. What is business?
2. Business and its view of human beings
3. Optimal decisions in business administration
4. Cooperation benefits
5. Coordination of conventional markets
6. Market failure
7. Coordination in companies
8. Stakeholder value vs. shareholder value
9. Financial implementation of shareholder value
10. Legal forms

### 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 (2) + Ü (2)

### 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)

### Allocation of places

200 places (lottery)

### Additional information

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

--
### Module title
**Introduction to Economics - Minor**

### Abbreviation
12-NW-EVWL-152-m01

### Module coordinator
holder of the Chair of International Macroeconomics

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

### ECTS
5

### Method of grading
numerical grade

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

### Duration
1 semester

### Module level
undergraduate

### Other prerequisites
--

### 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 micropores and macroeconomic models are mediated.

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

### 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)

### Allocation of places
max. 200 places. Modules 12-NW-EBWL and 12-NW-EVWL are not open for students of the following subjects: Wirtschaftswissenschaft (Business Management and Economics) Bachelor's (BSc with 180 ECTS credits), Wirtschaftsinformatik (Business Information Systems) Bachelor's (BSc with 180 ECTS credits) and Wirtschaftsmathematik (Mathematics for Economics) Bachelor's (BSc with 180 ECTS credits).

### Additional information
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(examination regulations for teaching-degree programmes)
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<td>1 semester</td>
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**Contents**

German contents available but not translated yet.


**Intended learning outcomes**

German intended learning outcomes available but not translated yet.


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

V (2) + Ü (2)

**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. 120 minutes)
Assessment offered: Every semester

**Allocation of places**

max. 80 places. Students applying after not having successfully completed assessment in the past two semesters will be given preferential consideration. The remaining places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become available. Places on all courses of the module with a restricted number of places will be allocated in the same procedure.

**Additional information**

--

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

--
### Module title

**General Physical Geography: Exogenic Dynamics - Geomorphology**

Abbreviation: 04-Geo-PG1Ex-152-m01

### Module coordinator

holder of the Professorship of Physical Geography

### Module offered by

Institute of Geography and Geology

### ECTS

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### 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
- 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
### General Physical Geography: Endogenic Dynamics - Introduction to Geology

<table>
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<tr>
<th>Module title</th>
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<td>General Physical Geography: Endogenic Dynamics - Introduction to Geology</td>
<td>04-Geo-PG1En-152-m01</td>
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<tbody>
<tr>
<td>holder of the Professorship of Geodynamics and Geomaterials Research</td>
<td>Institute of Geography and Geology</td>
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### 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, metamorphism; 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

V (3) + T (1)

Module taught in: German and/or English

### Method of assessment

**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 1 (examination regulations for teaching-degree programmes)

§ 47 I Nr. 1

§ 66 I Nr. 1
### Module title
General Physical Geography: Climate System

### Abbreviation
04-Geo-PG1Kl-152-m01

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### 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)

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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)

- 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)

1. § 47 I Nr. 1
2. § 66 I Nr. 1
### Module title

**General Human Geography Introduction to the Geography of Cities, Towns and Villages**

### Abbreviation

04-Geo-HG1S-152-m01

### Module coordinator

holder of the Professorship of Geography and Regional 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

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
Module title: General Human Geography: Introduction to Economic Geography

Abbreviation: 04-Geo-HG1W-152-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:

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
### General Human Geography: Introduction to Social and Population Geography

**Abbreviation:** 04-Geo-HG1B-152-m01

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<td>General Human Geography: Introduction to Social and Population Geography</td>
<td>04-Geo-HG1B-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:** 1 semester

**Module level:** undergraduate

**Other prerequisites:** --

**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**

(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
### Module title
Stratigraphy and Earth History

### Abbreviation
04-Geo-SE-152-m01

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### Contents
Students will get an overview of the Earth's continuous development over the past 4.6 billion years, genesis, composition and change of the resulting deposits and their evidence concerning former environmental conditions, the development of life and the related possibility of a relative ageing of stratigraphic deposits, the composition of stratigraphy and plate tectonic development as well as an introduction to the absolute age dating.

### Intended learning outcomes
The students dispose over the required basics of the Earth's history, stratigraphic methods and age dating of rocks.

### 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. 30 minutes)
Assessment offered: Once a year, winter semester
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)
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### Module title
**Petrology**

### Abbreviation
04-Geo-PT-152-m01

### Module coordinator
holder of the Professorship of Geodynamics and Geomaterials Research

### 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 course provides an insight into the formation and change of igneous and metamorphic rocks, which make up a significant part of the modern Earth’s crust and Earth’s surface. Further, the connection between the rock formation (petrogenesis) and the geodynamical processes of the planet Earth, which change constantly, will be made. This includes an introduction to modern methods in order to quantify information, which are contained in rocks, about pressure, temperature and point of time of the rock formation. Next to theoretical considerations, practical observations on thin sections of rocks under the polarisation microscope will be of great importance.

### Intended learning outcomes
The students dispose over basics concerning the igneous and metamorphic Petrology.

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

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<th>Type</th>
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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) term paper (approx. 20 pages)

Assessment offered: Once a year, summer semester

Language of assessment: German and/or English

### Allocation of places
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### Additional information
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<td>Geochemistry and Geohydrology</td>
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**Contents**

The module deals with different geochemical systems, particularly in the area of the Earth’s upper crust and geochemical processes that lead to changes in rocks and rearrangement of elements or element groups as well as the respective transport mechanisms. The main focus will be on aquatic processes and thus, also on general hydrogeological aspects like water cycle, water storage and problems concerning the water contamination.

**Intended learning outcomes**

The students are acquainted with the basics of geochemical and hydrological processes that particularly occur in the Earth’s upper crust and which are the basis of further studies in the field of environmental sciences.

**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. 30 minutes) or c) presentation (approx. 30 minutes) or d) term paper (approx. 20 pages)
Assessment offered: Once a year, summer semester
Language of assessment: German and/or English

**Allocation of places**

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**Additional information**

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**Contents**

Introduction into "solid" Earth physics with aspects of basic geo-thermodynamics, geo-material sciences, and the classic fields of geophysics: Accretion and differentiation of the planet earth, the earth as a thermodynamic engine, geothermics, seismics, gravimetric-, and electromagnetic fields, physics of magma and solid rocks.

**Intended learning outcomes**

Basics in physical geography and geo-materials

**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. 30 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)

--
### Statistics: Fundamentals of Descriptive and Inferential Statistics

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<tr>
<td>Statistics: Fundamentals of Descriptive and Inferential Statistics</td>
<td>04-Geo-STATU-152-m01</td>
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<td>holder of the Professorship of Climatology</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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<td>Statistics: Special and Multivariate Procedures</td>
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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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<table>
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<td>Cartography and Geoinformation</td>
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<tbody>
<tr>
<td>1 semester</td>
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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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### Referred to in LPO I

(examination regulations for teaching-degree programmes)

§ 66 I Nr. 2
<table>
<thead>
<tr>
<th>Module title</th>
<th>Abbreviation</th>
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<tbody>
<tr>
<td>Geographical Information Systems (GIS)</td>
<td>04-Geo-GIS-152-m01</td>
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<tr>
<td>holder of the Professorship of Physical Geography</td>
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<td>1 semester</td>
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</table>

**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**

- --

**Additional information**

- --

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

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
<table>
<thead>
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<th>Abbreviation</th>
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<tbody>
<tr>
<td>Analysis of Geomaterials</td>
<td>04-Geo-AG-152-m01</td>
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<td>holder of the Professorship of Geodynamics and Geomaterials Research</td>
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<tr>
<td>1 semester</td>
<td>undergraduate</td>
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</table>

### Contents

Principles of modern methods in order to determine mineralogical, elementary and isotopic composition of minerals and rocks, e.g. x-ray diffractometry, x-ray fluorescence spectrometry, microprobe-analytic, mass spectrometry. As far as possible, practical tutorials/demonstrations will be conducted, next to the explanation of theoretical functionality, in the respective labs.

### Intended learning outcomes

The students achieve basics of common analytical methods in order to determine the chemical and isotopic composition of minerals and rocks.

### 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)

Assessment offered: Once a year, winter 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>
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<td>Rock Identification under the Microscope</td>
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### Contents

Guidance on microscopy of minerals and thin slices of rocks under the polarisation microscope. In order to use a transmitted light microscope, students learn the ropes of crystal-optical principles. On this basis, the most important rock forming groups of minerals will be elucidated by their typical optical features in the thin section.

### Intended learning outcomes

The students achieve the necessary basics concerning the identification of the most important rock-forming minerals under the polarisation microscope. This module provides students with crucial basics of advanced studies of Petrology and Crystalline Geology.

### 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)

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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### Methods of Applied Geophysics

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<td><strong>Methods of Applied Geophysics</strong></td>
<td><strong>04-Geo-MAG-152-m01</strong></td>
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</table>

**Contents**

Application of geophysical field methods in a case history. Geodetic survey, geomagnetic- and geoelectric mapping in working groups of 3-4 participants.

**Intended learning outcomes**

Basics in physical geography and geo-materials. Participation in the lecture: "Introduction into the physics of system earth" is recommended.

**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)

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<thead>
<tr>
<th>term paper (approx. 12 pages)</th>
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<td>Language of assessment: German and/or English</td>
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**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 1** (examination regulations for teaching-degree programmes)

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## Module: Applications of Remote Sensing in Geography

**Abbreviation**: 04-Geo-FERNA-152-m01

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<tbody>
<tr>
<td>holder of the Professorship of Remote Sensing</td>
<td>Institute of Geography and Geology</td>
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<tr>
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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)

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)

--
# Subdivided 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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<tbody>
<tr>
<td>Regional Geography Excursion (&gt; 7 days)</td>
<td>04-Geo-RG-Ex-152-m01</td>
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## Module coordinator
Managing Director of the Institute of Geography

## Module offered by
Institute of Geography and Geology

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</table>

## Duration
1 semester

## Module level
undergraduate

## Other prerequisites
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## Contents
Field trip of general and regional 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 achieve the following skills: Application of general and physical or human geographical skills to regional-related issues, particularly the partial steps: 1. Differentiation and characterisation of a region, 2. Elaboration of selected geographical problems and spatial interaction as well as 3. Synthesis and demonstration of perspectives/problem solutions with thematic emphasis. Students assess relevant topic areas and thus, develop a consolidated practical problem awareness directly on site. They work in teams under unusual/challenging conditions and thus, develop a higher social competence and are able to interculturally communicate on a higher level.

## Courses (type, number of weekly contact hours, language — if other than German)
E (o)
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)
Field trip log (approx. 15 pages) or presentation (approx. 30 minutes) with written elaboration (handout, approx. 3 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

**Special Problems of Physical Geography 1 (Earth System: Man and Environment)**

### Abbreviation

04-Geo-SPG1-152-m01

### Module coordinator

holder of the Chair of Soil 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

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

--

### Additional information

--

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

§ 66 I Nr. 2
### Module title

Special Problems of Physical Geography 2 (Earth System: Man and Environment)

### Abbreviation

04-Geo-SPG2-152-m01

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</table>

### Duration

1 semester

### Module level

undergraduate

### 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

S (2)

Module taught in: German and/or English

### Method of assessment

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

Language of assessment: German and/or English

### Additional information

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<table>
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<tr>
<td>Special Problems of Physical Geography 3 (Earth System: Man and Environment)</td>
<td>04-Geo-SPG3-152-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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<tr>
<th>Duration</th>
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<tbody>
<tr>
<td>1 semester</td>
<td>undergraduate</td>
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</table>

### 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)

§ 66 I Nr. 2
### Applied Physical Geography

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<th>Abbreviation</th>
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<tbody>
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<td>Applied physical geography</td>
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#### Module Coordinator
- Holder of the Professorship of Climatology
- Institute of Geography and Geology

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<td>2 semester</td>
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</table>

#### Contents
This module consists of an applied project dealing with a specific issue in "Physical Geography" and comprising the following procedures: data acquisition, 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) with related 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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**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** (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)

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>Methods of Physical Geography 2</td>
<td>04-Geo-MPG2-152-m01</td>
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<tr>
<td>holder of the Professorship of Soil Science</td>
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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)

§ 66 I Nr. 2
### Module title

**Methods of Physical Geography 3**

**Abbreviation**

04-Geo-MPG3-152-m01

### Module coordinator

holder of the Professorship of Geodynamics and Geomaterials Research

### Module offered by

Institute of Geography and Geology

### ECTS

5

### Method of grading

Only after succ. compl. of module(s)

### Duration

1 semester

### Module level

undergraduate

### Other prerequisites

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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 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
### Natural landscape analysis

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**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 modells, 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)

§ 66 I Nr. 2
### Module title

**Special Issues of Human Geography 1**

### Abbreviation

04-Geo-SHG1-152-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)

### Duration

1 semester

### Module level

undergraduate

### Other prerequisites

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### 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

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

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**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)

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**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**

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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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**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)

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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)

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**

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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
**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)
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### Duration
1 semester

### Module level
Undergraduate

### Other prerequisites
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### 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

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</table>

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

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

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**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**
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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 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)

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) presentation (approx. 30 minutes) with related term paper (approx. 20 pages) or b) portfolio (approx. 30 pages, including 6 logs)

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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**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**

--

**Additional information**

--

**Referred to in LPO I**

(examination regulations for teaching-degree programmes)

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

### Abbreviation
04-Geo-RG-V2-152-m01

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

### Module offered by
Institute of Geography and Geology

### ECTS
<table>
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<th>Module level</th>
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<tr>
<td>5</td>
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</table>

### Method of grading

### Contents
Issues of "General Geography" in terms of global subspaces. This can be individual continents as well as 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)

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 I (examination regulations for teaching-degree programmes)
§ 47 I Nr. 2
§ 66 I Nr. 1
### Regional Geography - Seminar 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**  
umerical grade --

**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

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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)

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

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

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

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

ECTS: 5
Method of grading: 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)
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
### Module title
Economic Geology

### Abbreviation
04-Geo-WG-152-m01

### Module coordinator
holder of the Professorship of Geodynamics and Geomaterials Research

### 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
Exploitation and use of mineral resources are essential economic geographic parameters, which among others influence the economic, political and social relations between nations strongly. Main topics of this module are fundamental economic geological principles, a simple classification of deposit types according to genetic aspects and the evaluation of mineral deposits. For chosen and current examples, students will acquire a view on the availability and world market situation of essential mineral resources.

### Intended learning outcomes
Students learn further technical theories and achieve solid skills in a further sub-area of Human Geography or Physical Geography and the applied implementation.

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

| (S) | 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) with related term paper (approx. 10 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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<td>Institute of Geography and Geology</td>
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**Contents**

Courses that provide students with in-depth technical skills, e.g. seminars or lectures of "Special Human Geography" about contents of specific sub-disciplines (e.g. cultural geography, special topic areas of settlement geography, tourism geography, energy geography, spatial, regional and environmental planning) or "Special Physical Geography" concerning contents of specific sub-disciplines of "Physical Geography" (e.g. geomorphology, soil geography, climatology, vegetation geography, landscape ecology).

**Intended learning outcomes**

Students learn further technical theories and achieve solid skills in a further sub-area of Human Geography or Physical Geography and the applied implementation.

**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) or c) 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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**Contents**

Courses that provide students with in-depth technical skills, e.g. seminars or lectures of "Special Human Geography" about contents of specific sub-disciplines (e.g. cultural geography, special topic areas of settlement geography, tourism geography, energy geography, spatial, regional and environmental planning) or "Special Physical Geography" concerning contents of specific sub-disciplines of "Physical Geography" (e.g. geomorphology, soil geography, climatology, vegetation geography, landscape ecology)

**Intended learning outcomes**

Students learn further technical theories and achieve solid skills in a further sub-area of Human Geography or Physical Geography and the applied implementation.

**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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<td>Methods for Analysing Remote Sensing Data</td>
<td>04-Geo-MFD-152-m01</td>
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<td>holder of the Professorship of Remote Sensing</td>
<td>Institute of Geography and Geology</td>
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<tr>
<td>1 semester</td>
<td>undergraduate</td>
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</table>

**Contents**

This module essentially conveys methodological basics: geometric corrections / radiometric corrections (calculation of reflectances, atmospheric correction and correction of viewing and illumination angles) / spatial and spectral filters / image enhancement for visual image interpretation / analysis of spectral profiles / information extraction (rationing, indices, transformations) / classification of remote sensing data and accuracy assessment / pixel based vs. object-oriented analysis / multi-temporal data analysis (time series generation, change detection) / joint usage of remote sensing data with other geoinformation in geographical information systems (raster and vector data).

**Intended learning outcomes**

The students apply fundamental methods for the processing and analysis of mainly optical earth observation data. They create maps from remote sensing data self-reliantly and interpret the results.

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

S (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)

presentation (approx. 45 minutes) with related term paper (approx. 15 pages)

Assessment offered: Once a year, winter 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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Module title | Abbreviation
---|---
Remote Sensing in Resource Management | 04-Geo-FIR-152-m01

<table>
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holder of the Professorship of Remote Sensing | Institute of Geography and Geology |

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

Contents

Against the background of geographical questions, the spectrum of opportunities for remote sensing technologies is developed within this module. According to the student's topic choices, different aspects of remote sensing for the monitoring of environmentally relevant processes in the oceans, the atmosphere and on the land surface are examined, including: Urban applications such as urban growth and urban climate, whereby land surface parameters such as imperviousness and thermal extinction of surfaces are further deepened / remote sensing for environmental monitoring, such as assessment and long-term observation of conventions, support of tasks of nature conservation like habitat designation by modelling of species distributions / remote sensing in health management / hydrological applications of remote sensing such as parameters for modelling run-off in drainage areas or flood mapping and water masks / agricultural applications from crop mapping through extensive growth monitoring and drought forecasts to precision farming. For the respective fields of application, relevant parameters are presented in detail and the spectrum of methods is deduced.

Intended learning outcomes

The students describe, illustrate, explain, and question third party's research results in remote sensing for the first time and evaluate the value of earth observation for answering geographical research questions.

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. 45 minutes) with related term paper (approx. 15 pages)
Assessment offered: Once a year, winter 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)

--
### Module title
The Flora of Germany

### Abbreviation
07-4A4FLO-152-m01

### Module coordinator
holder of the Chair of Ecophysiology and Vegetation Ecology

### Module offered by
Faculty of Biology

### ECTS
7

### Method of grading
Numerical grade

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

### Duration
1 semester

### Module level
Undergraduate

### Other prerequisites
Modules 12-NW-EBWL and 12-NW-EVWL are not open for students of the following subjects: Wirtschaftswissenschaft (Business Management and Economics) Bachelor's (BSc with 180 ECTS credits), Wirtschaftsinformatik (Business Information Systems) Bachelor's (BSc with 180 ECTS credits) and Wirtschaftsmathematik (Mathematics for Economics) Bachelor's (BSc with 180 ECTS credits).

### Contents
The module will discuss the fundamental principles of the systematics and ecology of indigenous flowering plants. Students will acquire an overview of major indigenous plant families as well as their ecological and economic importance. Using a field guide, the course will demonstrate how dichotomous keys are used, and students will practise identifying freshly-gathered plants using dichotomous keys. Identifying plants, students will learn how to identify major morphological plant characteristics and will become familiar with the respective terminology. The module will also include field trips to typical habitats in the Botanical Garden and the vicinity of Würzburg. Students will become familiar with the common as well as scientific names of the plants found and will be introduced to the family- as well as species-specific characteristics of these plants. Students will practise using field guides and identification keys on site. Habitat ecological, geobotanical, climatic as well as conservation-relevant characteristics will also be discussed. The module will also include sessions at the Botanical Garden of the University of Würzburg with its outdoor facilities and greenhouses to help students acquire species identification skills.

### Intended learning outcomes
Students have acquired knowledge and skills related to the ecology, systematics and taxonomy of indigenous flowering plants. They are familiar with the terminology of plant morphology and know how to use Floras and set up scientific herbaria.

### 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)

- Written examination (approx. 45 minutes) and practical identification assignment (approx. 45 minutes), weighted 1:1

Assessment offered: Once a year, summer semester creditable for bonus

### Allocation of places
180 places. Students applying after not having successfully completed assessment in the past two semesters will be given preferential consideration. The remaining places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become available. Places on all courses of the module with a restricted number of places will be allocated in the same procedure.

### Additional information
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### Referred to in LPO I (examination regulations for teaching-degree programmes)
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<td>Basic Course in Public Law 3: General Administrative Law and Procedure Lecture</td>
<td>02-VerwR-01-152-m01</td>
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**Module coordinator**
Dean of Studies Faculty of Law

**Module offered by**
Faculty of Law

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**Duration**
1 semester

**Module level**
undergraduate

**Other prerequisites**
--

**Contents**

German contents available but not translated yet.


**Intended learning outcomes**

German intended learning outcomes available but not translated yet.

Die Studierenden haben einen Überblick über die allgemeinen Strukturen und Funktionen des Verwaltungs-echts erhalten. Sie kennen die Handlungsformen der Verwaltung gegenüber dem Bürger und ihre Besonderhei-ten und können diese voneinander abgrenzen. Auf prozessualer Ebene beherrschen sie die grundlegenden Klagearten des Verwaltungsrechtswegs.

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

V (4)

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

a) written examination (approx. 120 minutes) or b) oral examination (approx. 15 minutes)

**Allocation of places**

20 places. There are no restrictions with regard to available places for students of Rechtswissenschaft (Law). A total of 20 places will be allocated to students of other subjects. Should there be more than 20 applications from students of other subjects, these places will be allocated as follows: Students applying after not having successfully completed assessment in the past two semesters will be given preferential consideration. The remaining places will be allocated by lot. A waiting list will be maintained and places re-allocated 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 | Abbreviation
---|---
Construction Law | 02-VerwR-02-152-m01

Module coordinator | Module offered by
Dean of Studies Faculty of Law | Faculty of Law

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Contents

German contents available but not translated yet.

Die Vorlesung behandelt Grundzüge des öffentlichen Baurechts. Vermittelt werden dabei die Grundlagen des Bauplanungsrechts (aus BauGB und BauNVO) und des Bauordnungsrechts (BayBO).

Intended learning outcomes

German intended learning outcomes available but not translated yet.

Die Studierenden haben Grundlagenwissen im bundesrechtlichen Bauplanungsrecht und landesrechtlichen Bauordnungsrecht erworben.

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

V (2)

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. 120 minutes) or b) oral examination (approx. 15 minutes)

Assessment offered: Once a year, winter semester

Allocation of places

20 places. There are no restrictions with regard to available places for students of Rechtswissenschaft (Law). A total of 20 places will be allocated to students of other subjects. Should there be more than 20 applications from students of other subjects, these places will be allocated as follows: Students applying after not having successfully completed assessment in the past two semesters will be given preferential consideration. The remaining places will be allocated by lot. A waiting list will be maintained and places re-allocated 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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<td>1 semester</td>
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</tr>
</tbody>
</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**

--

**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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<td>Job-related Practical Experience 1</td>
<td>04-Geo-PRAK1-152-m01</td>
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<tr>
<td>holder of the Professorship of Social Geography</td>
<td>Institute of Geography and Geology</td>
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### 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
Job-related Practical Experience 2

## Abbreviation
04-Geo-PRAK2-152-m01

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## 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)

## 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)

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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)

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 1
(examination regulations for teaching-degree programmes)

--
Module title: Foundations of Sociology
Abbreviation: 06-PSS-BM-AS-152-m01

Module coordinator: holder of the Chair of Sociology and Sociological Theory
Module offered by: Chair of Sociology and Sociological Theory

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

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

Contents:
Overview of fundamental sociological terms, issues, topics and methods of analysis

Intended learning outcomes:
Students will recognize the main conceptual tools and analytical schemas of sociology

Courses (type, number of weekly contact hours, language — if other than German):
V (2) + Ü (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):
a) written examination (approx. 60 minutes) or b) written examination (approx. 90 minutes) or c) oral examination of one candidate each (approx. 30 minutes) or d) term paper (approx. 15 pages)
Language of assessment: German and/or English

Allocation of places:
50 places. There are no restrictions with regard to available places for students of the degree subjects Political and Social Studies (Bachelor's, 180, 120, 75, 60 ECTS credits) as well as Social Studies (Unterrichtsfach subject studied with a focus on the scientific discipline) teaching degree Grundschule, Unterrichtsfach teaching degree Mittelschule, Didaktikfach (subject studied with a focus on teaching methodology) Didaktik der Grundschule (Didactics for Grundschule), Didaktikfach Didaktiken einer Fächergruppe der Mittelschule (Didactics of a Group of Subjects of Mittelschule), vertieft studiertes Fach (subject studied with a focus on the scientific discipline) teaching degree Gymnasium). The number specified is the total number of places that will be allocated to students of other degree subjects in the SFB (list of modules) of which this module is listed. Should the number of applications exceed the number of available places, places will be allocated according to the number of subject semesters. 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):
§ 32 I Nr. 1 c)
§ 56 I Nr. 2
§ 22 II Nr. 1 h)
§ 81 I Nr. 2
The European Union: Introduction

Module title: The European Union: Introduction
Abbreviation: 06-PSS-BM-EU-152-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: --

Contents:
Introduction in the European integration process, in the development of EEC/EC/EU and the political system as well as selected policy fields of the European Union.

Intended learning outcomes:
The student has acquired a general knowledge of European integration and is able to classify its historical development and structures as well as its contemporary problem areas.

Courses (type, number of weekly contact hours, language — if other than German):
V (2) + Ü (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):
a) written examination (approx. 60 minutes) or b) written examination (approx. 90 minutes) or c) oral examination of one candidate each (approx. 30 minutes) or d) term paper (approx. 15 pages)
Language of assessment: German and/or English

Allocation of places:
50 places. There are no restrictions with regard to available places for students of the degree subjects Political and Social Studies (Bachelor's, 180, 120, 75, 60 ECTS credits) as well as Social Studies (Unterrichtsfach (subject studied with a focus on the scientific discipline) teaching degree Grundschule, Unterrichtsfach teaching degree Mittelschule, Didaktikfach (subject studied with a focus on teaching methodology) Didaktik der Grundschule (Didactics for Grundschule), Didaktikfach Didaktiken einer Fächergruppe der Mittelschule (Didactics of a Group of Subjects of Mittelschule), vertieft studiertes Fach (subject studied with a focus on the scientific discipline) teaching degree Gymnasium). The number specified is the total number of places that will be allocated to students of other degree subjects in the SFB (list of modules) of which this module is listed. Should the number of applications exceed the number of available places, places will be allocated according to the number of subject semesters. 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):
§ 32 I Nr. 1 c)
§ 56 I Nr. 1
§ 22 II Nr. 1 h)
§ 81 I Nr. 1
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<tr>
<td>1 semester</td>
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**Contents**

Basics, theories, and contemporary questions in International Relations.

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

V (2) + Ü (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)

a) written examination (approx. 60 minutes) or b) written examination (approx. 90 minutes) or c) oral examination of one candidate each (approx. 30 minutes) or d) term paper (approx. 15 pages)

Language of assessment: German and/or English

**Allocation of places**

50 places. There are no restrictions with regard to available places for students of the degree subjects Political and Social Studies (Bachelor’s, 180, 120, 75, 60 ECTS credits) as well as Social Studies (Unterrichtsfach (subject studied with a focus on the scientific discipline) teaching degree Grundschule, Unterrichtsfach teaching degree Mittelschule, Didaktikfach (subject studied with a focus on teaching methodology) Didaktik der Grundschule (Didactics for Grundschule), Didaktikfach Didaktiken einer Fächergruppe der Mittelschule (Didactics of a Group of Subjects of Mittelschule), vertieft studiertes Fach (subject studied with a focus on the scientific discipline) teaching degree Gymnasium). The number specified is the total number of places that will be allocated to students of other degree subjects in the SFB (list of modules) of which this module is listed. Should the number of applications exceed the number of available places, places will be allocated according to the number of subject semesters. 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)

§ 32 I Nr. 1 c)  
§ 56 I Nr. 1  
§ 22 II Nr. 1 h)  
§ 81 I Nr. 1  
§ 22 II Nr. 3 f)
**Political and Social Studies**

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**Module coordinator**
Managing Director of the Institute for Political Science and Sociology

**Module offered by**
Institute for Political Science and Sociology

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**Contents**
History and Function of the Social Sciences, Basics of Social Science Research Logic, History of Ideas, Political Systems, International Relations, Political Sociology

**Intended learning outcomes**
The student has basic knowledge and understanding of research-oriented discourses in the social sciences. He/she has the ability to independently deal with social science issues.

**Courses**

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<thead>
<tr>
<th>(type, number of weekly contact hours, language — if other than German)</th>
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</table>

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. 60 minutes) or b) written examination (approx. 90 minutes) or c) oral examination of one candidate each (approx. 30 minutes) or d) term paper (approx. 15 pages)

Language of assessment: German and/or English

**Allocation of places**
50 places. There are no restrictions with regard to available places for students of the degree subjects Political and Social Studies (Bachelor's, 180, 120, 75, 60 ECTS credits) as well as Social Studies (Unterrichtsfach (subject studied with a focus on the scientific discipline) teaching degree Grundschule, Unterrichtsfach teaching degree Mittelschule, Didaktikfach (subject studied with a focus on teaching methodology) Didaktik der Grundschule (Didactics for Grundschule), Didaktikfach Didaktiken einer Fächergruppe der Mittelschule (Didactics of a Group of Subjects of Mittelschule), vertieft studiertes Fach (subject studied with a focus on the scientific discipline) teaching degree Gymnasium). The number specified is the total number of places that will be allocated to students of other degree subjects in the SFB (list of modules) of which this module is listed. Should the number of applications exceed the number of available places, places will be allocated according to the number of subject semesters. 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)

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<tr>
<td>holder of the Chair of Comparative Politics and German Politics</td>
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<td>1 semester</td>
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</table>

**Contents**

History of political thought, introduction into classics of political thought, introduction into selected political theories.

**Intended learning outcomes**

Students have knowledge and understanding of the history of political thought and obtain an overview over basic positions and theories. They are able to deal with theoretical issues on the field of the political.

**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)

a) written examination (approx. 60 minutes) or b) written examination (approx. 90 minutes) or c) oral examination of one candidate each (approx. 30 minutes) or d) term paper (approx. 15 pages)

Language of assessment: German and/or English

**Allocation of places**

50 places. There are no restrictions with regard to available places for students of the degree subjects Political and Social Studies (Bachelor's, 180, 120, 75, 60 ECTS credits) as well as Social Studies (Unterrichtsfach (subject studied with a focus on the scientific discipline) teaching degree Grundschule, Unterrichtsfach teaching degree Mittelschule, Didaktikfach (subject studied with a focus on teaching methodology) Didaktik der Grundschule (Didactics for Grundschule), Didaktikfach Didaktiken einer Fächergruppe der Mittelschule (Didactics of a Group of Subjects of Mittelschule), vertieft studiertes Fach (subject studied with a focus on the scientific discipline) teaching degree Gymnasium). The number specified is the total number of places that will be allocated to students of other degree subjects in the SFB (list of modules) of which this module is listed. Should the number of applications exceed the number of available places, places will be allocated according to the number of subject semesters. 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)

§ 32 I Nr. 1 c)  
§ 56 I Nr. 1  
§ 22 II Nr. 1 h)  
§ 81 I Nr. 1
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<td>1 semester</td>
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</table>

### Contents
Introduction to Social Structure Analysis

### Intended learning outcomes
Students gain an insight into social structure analysis.

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

V (2) + Ü (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)

a) written examination (approx. 60 minutes) or b) written examination (approx. 90 minutes) or c) oral examination of one candidate each (approx. 30 minutes) or d) term paper (approx. 15 pages)

Language of assessment: German and/or English

### Allocation of places
50 places. There are no restrictions with regard to available places for students of the degree subjects Political and Social Studies (Bachelor’s, 180, 120, 75, 60 ECTS credits) as well as Social Studies (Unterrichtsfach subject studied with a focus on the scientific discipline) teaching degree Grundschule, Unterrichtsfach teaching degree Mittelschule, Didaktikfach (subject studied with a focus on teaching methodology) Didaktik der Grundschule (Didactics for Grundschule), Didaktikfach Didaktiken einer Fächerguppe der Mittelschule (Didactics of a Group of Subjects of Mittelschule), vertiefst studiertes Fach (subject studied with a focus on the scientific discipline) teaching degree Gymnasium). The number specified is the total number of places that will be allocated to students of other degree subjects in the SFB (list of modules) of which this module is listed. Should the number of applications exceed the number of available places, places will be allocated according to the number of subject semesters. 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)

§ 32 I Nr. 1 c)
§ 56 I Nr. 2
§ 22 II Nr. 1 h)
§ 81 I Nr. 2
Subdivided Module Catalogue for the Subject Geography
Bachelor’s with 1 major, 180 ECTS credits

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<td>1 semester</td>
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Contents
Overview of the succession and structural logic of modern sociological paradigms

Intended learning outcomes
Students will obtain detailed knowledge of the historical and logical progression of sociological theories

Courses (type, number of weekly contact hours, language — if other than German)
V (2) + Ü (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)
a) written examination (approx. 60 minutes) or b) written examination (approx. 90 minutes) or c) oral examination of one candidate each (approx. 30 minutes) or d) term paper (approx. 15 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)
§ 32 I Nr. 1 c)  
§ 56 I Nr. 2  
§ 22 II Nr. 1 h)  
§ 81 I Nr. 2
Module title | Abbreviation
---|---
Comparative Politics and Governance | 06-PSS-BM-VPS-152-m01

Module coordinator | Module offered by
holder of the Chair of Comparative Politics and German Politics | Chair of Comparative Politics and German Politics

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Contents
Introduction to the characteristics of political systems and central categories of comparative systems analysis.

Intended learning outcomes
The student has basic knowledge of the construction principles of political systems. He/she masters the application of the system comparison framework to concrete case studies.

Courses (type, number of weekly contact hours, language — if other than German)
V (2) + Ü (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)
a) written examination (approx. 60 minutes) or b) written examination (approx. 90 minutes) or c) oral examination of one candidate each (approx. 30 minutes) or d) term paper (approx. 15 pages)
Language of assessment: German and/or English

Allocation of places
50 places. There are no restrictions with regard to available places for students of the degree subjects Political and Social Studies (Bachelor’s, 180, 120, 75, 60 ECTS credits) as well as Social Studies (Unterrichtsfach (subject studied with a focus on the scientific discipline) teaching degree Grundschule, Unterrichtsfach teaching degree Mittelschule, Didaktikfach (subject studied with a focus on teaching methodology) Didaktik der Grundschule (Didactics for Grundschule), Didaktikfach Didaktiken einer Fächergruppe der Mittelschule (Didactics of a Group of Subjects of Mittelschule), vertieft studiertes Fach (subject studied with a focus on the scientific discipline) teaching degree Gymnasium). The number specified is the total number of places that will be allocated to students of other degree subjects in the SFB (list of modules) of which this module is listed. Should the number of applications exceed the number of available places, places will be allocated according to the number of subject semesters. 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)
§ 32 I Nr. 1 c)
§ 56 I Nr. 1
§ 22 II Nr. 1 h)
§ 81 I Nr. 1
<table>
<thead>
<tr>
<th>Module title</th>
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<th>Module coordinator</th>
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<tr>
<td>chairperson of examination committee</td>
<td>Institute of Geography and Geology</td>
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<th>Only after succ. compl. of module(s)</th>
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**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**

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**Additional information**

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**Referred to in LPO I**

(examination regulations for teaching-degree programmes)