Julius-Maximilians-
UNIVERSITÄT
WÜRZBURG

Subdivided Module Catalogue

for the Subject

Geography

with the degree "Erweiterungsprüfung für das Lehramt an Gymnasien"

(ECTS credits)

Examination regulations version: 2023
Responsible: Faculty of Arts, Historical, Philological, Cultural and Geographical Studies
Responsible: Institute of Geography and Geology

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:

LASPO2015

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

01-Jun-2023 (2023-48)

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

Abbreviation	Module title	ECTS credits	Method of grading	page
Scientific Discipline (92 ECTS credits)				
Area 1 (64 ECTS credits)				
General Physical Geography (15 ECTS credits)				
04-Geo-PG1Ex-232-m01	Introduction to Physical Geography I: Geomorphology and Soil	5	NUM	22
04-Geo-PG1Kl-232-m01	Introduction to Physical Geography: Climate System and Human-Environment-Interactions	5	NUM	23
04-Geo-PG1En-232-m01	Introduction to Physical Geography: General and Applied Geology	5	NUM	21
General Human Geography (15 ECTS credits)				
04-Geo-HG1S-152-m01	General Human Geography: Introduction to the Geography of Cities, Towns and Villages	5	NUM	11
04-Geo-HG1W-152-m01	General Human Geography: Introduction to Economic Geography	5	NUM	12
04-Geo-HG1B-152-m01	General Human Geography: Introduction to Social and Population Geography	5	NUM	10
Regional Geography (10 ECTS credits)				
04-Geo-RG-V1-152-m01	Regional Geography - Lecture course 1	5	NUM	28
04-Geo-RG-V2-152-m01	Regional Geography - Lecture course 2	5	NUM	29
Methods of Geography (6 ECTS credits)				
04-Geo-LA-WAG-152-m01	Study Skills for Geography Students	1	B/NB	16
04-Geo-KART-232-m01	Cartography and Geoinformation	5	NUM	13
Short Excursions (12 ECTS credits)				
04-Geo-Kl-Ex1-152-m01	Short Excursions 1	4	B/NB	14
04-Geo-Kl-Ex2-152-m01	Short Excursions 2	8	B/NB	15
Excursion (at least 8 days) (6 ECTS credits)				
04-Geo-RGEx-LA-232-m01	Regional Geography - Excursion (at least 8 days)	6	NUM	25
Area 2 (28 ECTS credits)				
Methods of Geography (5 ECTS credits)				
04-Geo-NRA-152-m01	Natural landscape analysis	5	NUM	20
04-Geo-MPG1-232-m01	Methods of Physical Geography 1	5	NUM	17
04-Geo-MPG2-232-m01	Methods of Physical Geography 2	5	NUM	18
04-Geo-MPG3-232-m01	Methods of Physical Geography 3	5	NUM	19
04-Geo-RPI-152-m01	Spatial Planning and Information	5	NUM	30
04-Geo-QualM-152-m01	Qualitative methods in Human Geography	5	NUM	24
Regional Geography (5 ECTS credits)				
04-Geo-RG-S1-152-m01	Regional Geography - Seminar 1	5	NUM	26
04-Geo-RG-S2-152-m01	Regional Geography - Seminar 2	5	NUM	27
Special Geography - Project Study (8 ECTS credits)				
04-Geo-SPGF-wP-152-m01	Special Problems of Physical Geography - Project study	8	NUM	37

04-Geo-SHGF-wP-152-m01	Special Problems of Human Geography - Project study	8	NUM	33
Special Geography (Physical Geography, Human Geography) (10 ECTS credits)				
04-Geo-SPG1-152-m01	Special Problems of Physical Geography 1 (Earth System: Man and Environment)	5	NUM	34
04-Geo-SPG2-152-m01	Special Problems of Physical Geography 2 (Earth System: Man and Environment)	5	NUM	35
04-Geo-SPG3-152-m01	Special Problems of Physical Geography 3 (Earth System: Man and Environment)	5	NUM	36
04-Geo-SHG1-152-m01	Special Issues of Human Geography 1	5	NUM	31
04-Geo-SHG2-152-m01	Special Issues of Human Geography 2	5	NUM	32
04-Geo-FERNE-152-m01	Introduction to Geographical Remote Sensing	5	NUM	7
Teaching (10 ECTS credits)				
Area 1 (10 ECTS credits)				
04-Geo-BM-Did-152-m01	Level one Module Didactics	5	NUM	5
04-GeoGY-AM-Did-152-m01	Level two Module Didactics	5	NUM	8
Freier Bereich (general as well as subject-specific electives)				

Module title			Abbreviation
Level one Module Didactics			04-Geo-BM-Did-152-m01
Module coordinator			**Module offered by**
Subject Representative (Fachvertreter) Geography Didactics			Institute of Geography and Geology
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
5	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
2 semester	undergraduate	--	

Contents

Theory-related foundation, practice-related and target-oriented investigation of geoscientific contents for geography class. Disciplinary and educational contents and factors of the geography class. (Geography) Teaching basics of geography class in school, psychological and educational aspects of geography class. Geography class as target-oriented choice and structuring of geographical/geoscientific and disciplinary comprehensive contents and methods. Development and structure of geographical curricula of individual types of school taking account of the competence orientation in particular. Objectives and competences of geography class (including taxonomy and degree of abstraction concerning (learning) objectives, expectation of competency). Educational objectives and article of geography, learning conditions and framework conditions of geography class. Geography education as theory driven science of the address-related selection and scheme of contents, which are areal determinable and effective and their optimal imparting to the level of understanding of the recipient. General educational basics (educational models and principles) and geography classes, psychological basics, technical theories and contents concerning their relevance for geography class. Goal orientation as basis of the selection and educational contents concerning the structure of competences. Methods of geography class, media use in geography class.
Goal orientation as basis of the selection and educational contents concerning the structure of competences. Subject-specific diagnosing and evaluating. Educational and administrative concepts of lesson planning with the objective of skill transfer. Learning objective (dimensions, degree of abstraction) as determining factor of geography class. Objective-content-operationalisation; Educational reduction, key skills. Educational analysis, fact analysis, educational and methodological teaching principles, teaching methods (e.g. Learning circle), practice-oriented media use.

Intended learning outcomes

Competence to excite pupils with the acquired knowledge of educational research issues, methods and findings as well as to take into consideration the knowledge of subject areas and the educational sciences of geographical-technical learning processes and to diagnose, evaluate and foster the technical learning progress .
Competence to educational reflection in a theory-driven way. The students analyse and evaluate current specialist and educational knowledge in a theory-driven way and take into consideration the social and pedagogical objective.
They are able to plan and conduct specialised teaching independently.
They have the competence to plan, conduct and evaluate Geography class in such a way that it is based on theory, scientifically justified and aimed at pupils. Students are able to plan and structure a lesson target-orientated and to reflect the own teaching concept critically.
Further, they have the competence to teach, diagnose and evaluate in a specialised way and to stimulate debates through practical exercises.
Models and technical learning processes can be conceived by self-regulating learning.

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

V (2) + T (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) written examination (approx. 60 minutes) or
b) presentation (approx. 30 minutes) with written elaboration (approx. 10 pages) or
c) portfolio (approx. 30 pages, including 2 maps, 5 logs)

Language of assessment: German and/or English creditable for bonus
Allocation of places
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Additional information
Additional information on module duration: module includes 2 field trip days.
Workload
150 h
Teaching cycle
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Referred to in LPO I (examination regulations for teaching-degree programmes)
§ 47 I Nr. 4 § 66 I Nr. 4

Module title			Abbreviation
Introduction to Geographical Remote Sensing			04-Geo-FERNE-152-m01
Module coordinator		**Module offered by**	
holder of the Professorship of Remote Sensing		Institute of Geography and Geology	
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
5	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

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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Workload

150 h

Teaching cycle

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

§ 66 I Nr. 2

Module title			Abbreviation
Level two Module Didactics			04-GeoGY-AM-Did-152-m01
Module coordinator		**Module offered by**	
Subject Representative (Fachvertreter) Geography Didactics		Institute of Geography and Geology	
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
5	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

In the area "Education of Regional Geography", the centre of a competence-oriented investigation is the analysis of a selected region (e.g. surroundings, US, developing countries) among a given issue with technical contents and methods (including maps, statistics, literature). Use of interdisciplinary issues (including economy, society, environment, culture). Critical contemplation of regional constructs and regional reality. In order to realise this, geographical work methods and tools will serve (among others maps and other data collections).
The field trip education is designed to provide students with a real encountering with the geographical reality as well as selected regions, to analyse them and to develop issues, which are relevant for the courses, and to investigate them as a construct for pupils. For this purpose, other aspects will be used interdisciplinary next to geographic/geoscientific contents (including history, judicature, sociology, architecture). Essential contents will be the classification of field trips, application of subject-specific work methods, information acquisition on site and from other sources, use of teaching methods in field trips as well as the educational place of the field trip. Moreover: organisational, specialised and educational measures of preparation, implementation and evaluation of a geographic/geoscientific field trip, investigation and reflection of museum educational principles. Analysis of scholarly potential for class under given issues, which for example will be derived from the curriculum, with the help of technical methods. Being acquainted with a museum educational concept by sitting in on classes or a project.
Education for Sustainable Development and Global Learning merge the aspects environmental assessment and socioeconomic development referring to society. Moreover, developmental problems will be discussed, taking account of the physical-geographical as well as anthropogenic aspects against the background of intercultural competence.
Educational basics and work methods concerning physical-geographical and/or geological issues of all school types will be consolidated by investigating a themed teaching and learning laboratory and/or educational research. The implementation of a teaching and learning lab with school classes will make it possible for students to practically apply their theoretical knowledge and encourages students to reflect the teaching processes.

Intended learning outcomes

Students are able to analyse a space of different scaling (in the range from local to regional up to large-scale cultural spaces) and under a given issue with the help of technical contents and methods. They also evaluate the result as well as regional facts for the lesson. They further develop their ability to orientate themselves in real spaces as well as reflect the subjectivity of space perception.
The competence of a interdisciplinary approach of the space detection will be deepened. By the practical implementation of a field trip with a school class, students acquire the ability to prepare, conduct and evaluate a geographical/geoscientific field trip of the respective school type.
They are able to implement the acquisition and exploration of the spatial potential at extracurricular learning places.
Moreover, the students are able to use extracurricular learning sites with view on geographical-educational objective and discipline-specific method.
During short field trips at extracurricular learning sites, students reveal through technical working methods a space among teaching-relevant issues.
The students are acquainted with the antithesis of environmental preservation and socio-economic development and consider future-orientated solutions of sustainability and apply models on the sustainability of space development processes.

They develop the skill to analyse man-environment relationships in different types and sizes of spaces under the principle of sustainability. When conceiving different world views and points of view, they will also be able to change their perspective interculturally. They are able to ethically justified space behaviour competence.
They have the ability to plan geographical-technical learning processes for a specific type of school.
Students are able to reflect in an educational and theory-driven way. Students have the ability to implement geographical-educational theories and geographical/geoscientific contents into specific teaching concepts. They also have the competence to use administrative guidelines (curriculum or educational plans) as a basis and to impart knowledge about spatial structures and processes. Students are able to organise a pupil and type of school-related, effective and adequate spatial competence (spatial behaviour concepts), which is oriented towards the principle of sustainability.Students are able to organise a pupil and type of school-related, effective and adequate spatial competence (spatial behaviour concepts), which is oriented towards the principle of sustainability.Students are able to analyse and evaluate current technical and educational knowledge in a theory-driven way and by taking into account the social and pedagogical objectives.
They explore geographical as well as interdisciplinary historical and folkloric contents for pupils.
Next to maps, students are able to use different ways.
They are able to evaluate a geographical map themed.
They are able to use specialised contents for the lesson planning.
Students are able to conceptualise a lesson in such a way that it meets the requirements of the target group and school type as well as they are able to gain and evaluate geographical/geoscientific relevant information from media (maps, films, statistics etc.).
The students acquire the ability to work in a team, to be familiar with communication and discussion strategies, to be acquainted with intercultural competence, especially empathy and are willing to accept different values.

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

S (4) + Ü (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)

a) written examination (approx. 60 minutes) or
b) presentation (approx. 30 minutes) with written elaboration (approx. 10 pages) or
c) portfolio (approx. 30 pages, including 2 maps, 5 logs)
Language of assessment: German and/or English
creditable for bonus

Allocation of places

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Additional information

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Workload

150 h

Teaching cycle

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

§ 66 I Nr. 4

Module title			Abbreviation
General Human Geography: Introduction to Social and Population Geography			04-Geo-HG1B-152-m01
Module coordinator		**Module offered by**	
holder of the Professorship of Social Geography		Institute of Geography and Geology	
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
5	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

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

Qualification goal: scientific competences

Workload

150 h

Teaching cycle

Teaching cycle: every year, winter semester

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

§ 47 I Nr. 1
§ 66 I Nr. 1

Module title			Abbreviation
General Human Geography: Introduction to the Geography of Cities, Towns and Villages			04-Geo-HG1S-152-m01
Module coordinator		**Module offered by**	
holder of the Professorship of Geography and Regional Science		Institute of Geography and Geology	
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
5	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

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

Qualification goal: scientific competences

Workload

150 h

Teaching cycle

Teaching cycle: every year, winter semester

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

§ 47 I Nr. 1
§ 66 I Nr. 1

Module title			Abbreviation
General Human Geography: Introduction to Economic Geography			04-Geo-HG1W-152-m01
Module coordinator		**Module offered by**	
holder of the Professorship of Economic Geography		Institute of Geography and Geology	
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
5	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

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

Qualification goal: scientific competences

Workload

150 h

Teaching cycle

Teaching cycle: every year, summer semester

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

§ 47 I Nr. 1
§ 66 I Nr. 1

Module title			Abbreviation
Cartography and Geoinformation			04-Geo-KART-232-m01
Module coordinator			**Module offered by**
holder of the Professorship of Geography and Regional Science			Institute of Geography and Geology
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
5	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

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. 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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Workload

150 h

Teaching cycle

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

§ 66 I Nr. 2

Module title			Abbreviation
Short Excursions 1			04-Geo-Kl-Ex1-152-m01
Module coordinator		**Module offered by**	
Managing Director of the Institute of Geography		Institute of Geography and Geology	
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
4	(not) successfully completed	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

Introduction to geographical issues ("Physical Geography or Human Geography") within an field trip day in the Würzburg area and environs

Intended learning outcomes

Students get an insight into regional facts, current structures and processes of a geographical point of view and are able to acquire information in the field.

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

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)

Log (approx. 5 pages) per day of field trip
Language of assessment: German and/or English

Allocation of places

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Additional information

Additional information on module duration: approx. 3 field trip days.

Workload

120 h

Teaching cycle

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

§ 66 I Nr. 3

Module title			Abbreviation
Short Excursions 2			04-Geo-Kl-Ex2-152-m01
Module coordinator		**Module offered by**	
Managing Director of the Institute of Geography		Institute of Geography and Geology	
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
8	(not) successfully completed	--	
Duration	**Module level**	**Other prerequisites**	
2 semester	undergraduate	--	

Contents

Introduction to geographical issues ("Physical Geography or Human Geography") within a field trip day in the Würzburg area and environs.

Intended learning outcomes

Students get an insight into regional facts, current structures and processes of a geographical point of view and are able to acquire information in the field.

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

E (6)
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)

Log (approx. 5 pages) per day of field trip
Language of assessment: German and/or English

Allocation of places

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Additional information

Additional information on module duration: approx. 7 field trip days.

Workload

240 h

Teaching cycle

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

§ 66 I Nr. 3

Module title			Abbreviation
Study Skills for Geography Students			04-Geo-LA-WAG-152-m01
Module coordinator		**Module offered by**	
holder of the Professorship of Geography and Regional Science		Institute of Geography and Geology	
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
1	(not) successfully completed	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

Students will be provided with basics of scientific work: This includes: Introduction to research methods and the research process, literary research, production of seminar papers, citation and proving, dealing with charts and graphics.

Intended learning outcomes

Students achieve the following skills: Basics of the dealing with methods and techniques of the scientific work, particularly the production of a written seminar paper and the necessary information skills.

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

S (0.5)
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)

term paper (approx. 3 pages)
Language of assessment: German and/or English

Allocation of places

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Additional information

Additional information on module duration:: 4 hours total.

Workload

30 h

Teaching cycle

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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			Abbreviation
Methods of Physical Geography 1			04-Geo-MPG1-232-m01
Module coordinator		**Module offered by**	
holder of the Professorship of Climatology		Institute of Geography and Geology	
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
5	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

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) presentation (approx. 30 minutes) or
b) portfolio (approx. 20 pages, including 3 maps, 2 logs) or
c) 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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Workload

150 h

Teaching cycle

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

§ 66 I Nr. 2

Module title			Abbreviation
Methods of Physical Geography 2			04-Geo-MPG2-232-m01
Module coordinator		**Module offered by**	
holder of the Professorship of Soil Science		Institute of Geography and Geology	
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
5	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

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) presentation (approx. 30 minutes) or
b) portfolio (approx. 20 pages, including 3 maps, 2 logs) or
c) term paper (approx. 20 pages)
Language of assessment: German and/or English
Assessment offered: Once a year, summer semester

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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Workload

150 h

Teaching cycle

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

§ 66 I Nr. 2

Module title			Abbreviation
Methods of Physical Geography 3			04-Geo-MPG3-232-m01
Module coordinator			**Module offered by**
holder of the Professorship of Geodynamics and Geomaterials Research			Institute of Geography and Geology
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
5	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

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 handpiece 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) presentation (approx. 30 minutes) or
b) portfolio (approx. 20 pages, including 3 maps, 2 logs) or
c) term paper (approx. 20 pages)
Language of assessment: German and/or English
Assessment offered: Once a year, summer semester

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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Workload

150 h

Teaching cycle

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

§ 66 I Nr. 2

Module title			Abbreviation
Natural landscape analysis			04-Geo-NRA-152-m01
Module coordinator			**Module offered by**
holder of the Professorship of Soil Science			Institute of Geography and Geology
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
5	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

The module aims to deepen basic knowledge by means of selected landscapes. Theme category groups related to "Physical Geography" are generated by examplary 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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Workload

150 h

Teaching cycle

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

§ 66 I Nr. 2

Module title			Abbreviation
Introduction to Physical Geography: General and Applied Geology			04-Geo-PG1En-232-m01
Module coordinator			**Module offered by**
holder of the Professorship of Geodynamics and Geomaterials Research			Institute of Geography and Geology
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
5	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

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

Intended learning outcomes

The students dispose over basic knowledge of endogenous dynamics

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

V (3) + T (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

Qualification goal: scientific competences

Workload

150 h

Teaching cycle

Teaching cycle: every year, winter semester

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

§ 47 I Nr. 1
§ 66 I Nr. 1

Module title			Abbreviation
Introduction to Physical Geography I: Geomorphology and Soil			04-Geo-PG1Ex-232-m01
Module coordinator		**Module offered by**	
holder of the Professorship of Physical Geography		Institute of Geography and Geology	
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
5	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

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

Qualification goal: scientific competences

Workload

150 h

Teaching cycle

Teaching cycle: every year, winter semester

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

§ 47 I Nr. 1
§ 66 I Nr. 1

Module title			Abbreviation
Introduction to Physical Geography: Climate System and Human-Environment-Interactions			04-Geo-PG1Kl-232-m01
Module coordinator		**Module offered by**	
holder of the Professorship of Climatology		Institute of Geography and Geology	
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
5	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

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, charateristics and variability of the Earth's climate system.

Intended learning outcomes

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

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

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

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

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

Allocation of places

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Additional information

Qualification goal: scientific competences

Workload

150 h

Teaching cycle

Teaching cycle: every year, summer semester

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

§ 47 I Nr. 1
§ 66 I Nr. 1

Module title			Abbreviation
Qualitative methods in Human Geography			04-Geo-QualM-152-m01
Module coordinator		**Module offered by**	
holder of the Professorship of Social Geography		Institute of Geography and Geology	
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
5	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

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

Intended learning outcomes

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

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

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

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

a) portfolio (approx. 30 pages, including 2 maps, 5 logs) or
b) project (approx. 20 pages) 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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Workload

150 h

Teaching cycle

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

§ 66 I Nr. 2

Module title			Abbreviation
Regional Geography - Excursion (at least 8 days)			04-Geo-RGExLA-232-m01
Module coordinator		**Module offered by**	
Managing Director of the Institute of Geography		Institute of Geography and Geology	
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
6	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

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 on regional-related issues, particularly 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 they are able to interculturally communicate on a higher level.

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

E (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) field trip report (approx. 20 pages) plus appendix (including own photos etc.) or
b) presentation (approx. 30 minutes) with related term paper (approx. 15 pages)
Language of assessment: German and/or English

Allocation of places

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Additional information

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Workload

180 h

Teaching cycle

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

§ 47 I Nr. 3

Module title			Abbreviation
Regional Geography - Seminar 1			04-Geo-RG-S1-152-m01
Module coordinator		**Module offered by**	
holder of the Professorship of Physical Geography		Institute of Geography and Geology	
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
5	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

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)
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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Workload

150 h

Teaching cycle

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

§ 66 I Nr. 1

Module title			Abbreviation
Regional Geography - Seminar 2			04-Geo-RG-S2-152-m01
Module coordinator		**Module offered by**	
holder of the Professorship of Physical Geography		Institute of Geography and Geology	
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
5	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

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

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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Workload

150 h

Teaching cycle

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

§ 66 I Nr. 2

Module title			Abbreviation
Regional Geography - Lecture course 1			04-Geo-RG-V1-152-m01
Module coordinator		**Module offered by**	
holder of the Professorship of Physical Geography		Institute of Geography and Geology	
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
5	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

Issues of "General Geography" in terms of European subspaces. This can be individual states as well as distinctive European subspaces due to their lay (e.g. Northern Europe, Alpine countries).

Intended learning outcomes

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

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

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

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

a) written examination (approx. 45 minutes) or
b) oral examination of one candidate each (approx. 15 minutes) or
c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate)
Language of assessment: German and/or English

Allocation of places

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Additional information

Qualification goal: scientific competences

Workload

150 h

Teaching cycle

Teaching cycle: every year, winter semester

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

§ 47 I Nr. 2
§ 66 I Nr. 1

Module title			Abbreviation
Regional Geography - Lecture course 2			04-Geo-RG-V2-152-m01
Module coordinator		**Module offered by**	
holder of the Professorship of Physical Geography		Institute of Geography and Geology	
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
5	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

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

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Additional information

Qualification goal: scientific competences

Workload

150 h

Teaching cycle

Teaching cycle: every year, winter semester

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

§ 47 I Nr. 2
§ 66 I Nr. 1

Module title			Abbreviation
Spatial Planning and Information			04-Geo-RPI-152-m01
Module coordinator		**Module offered by**	
holder of the Professorship of Geography and Regional Science		Institute of Geography and Geology	
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
5	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

In spatial planning, maps and plans are used at the various planning levels from regional planning down to municipal and district planning, both for analytical purposes and monitoring with geoinformation systems and for the graphic representation of planning regulations. The seminar teaches methods and techniques for creating thematic maps and plans with planning-relevant topics, from data research to data preparation and data visualization to the final map layout.

Intended learning outcomes

Students have basic knowledge of spatial planning at the various planning levels from spatial planning down to municipal and district planning. They have the methodological and technical skills to create thematic maps and plans independently.

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

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

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

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

Allocation of places

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Additional information

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Workload

150 h

Teaching cycle

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

§ 66 I Nr. 2

Module title			Abbreviation
Special Issues of Human Geography 1			04-Geo-SHG1-152-m01
Module coordinator		**Module offered by**	
holder of the Professorship of Social Geography		Institute of Geography and Geology	
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
5	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

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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Workload

150 h

Teaching cycle

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

§ 66 I Nr. 1

Module title			Abbreviation
Special Issues of Human Geography 2			04-Geo-SHG2-152-m01
Module coordinator		**Module offered by**	
holder of the Professorship of Social Geography		Institute of Geography and Geology	
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
5	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

This module deals with chosen issues of "Theoretical and Applied Human Geography" from a sub-area of "Human Heography" (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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Workload

150 h

Teaching cycle

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

§ 66 I Nr. 2

Module title			Abbreviation
Special Problems of Human Geography - Project study			04-Geo-SHGFwP-152-m01
Module coordinator		**Module offered by**	
holder of the Professorship of Economic Geography		Institute of Geography and Geology	
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
8	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

This module deals with and consolidates selected 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. Part of the seminar will be a small project study concerning a selected issue of a respective sub-area of "Human Geography" with production of a survey tool, data collection and analysis of investigated issues.

Intended learning outcomes

Students learn about specialised theories and achieve solid skills in a sub-area of Human Geography and the 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. The technical and methodological basics, which have already been acquired, will be practised on practical issues of the Human Geography and students will be introduced to the development and application of empirical research methods and thus, the involved sharing of skills that are applied to empirical survey and analysis methodology. Project work, ability to work in a team, acquisition of skills of communicative techniques.

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

S (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)

a) project (approx. 40 pages) or
b) presentation (approx. 30 minutes) with related term paper (approx. 30 pages)
Language of assessment: German and/or English
creditable for bonus

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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Workload

240 h

Teaching cycle

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

§ 66 I Nr. 2

Module title			Abbreviation
Special Problems of Physical Geography 1 (Earth System: Man and Environment)			04-Geo-SPG1-152-m01
Module coordinator		**Module offered by**	
holder of the Chair of Soil Geography		Institute of Geography and Geology	
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
5	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

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.) wil be discussed.

Intended learning outcomes

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

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

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

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

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

Allocation of places

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Additional information

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Workload

150 h

Teaching cycle

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

§ 66 I Nr. 2

Module title			Abbreviation
Special Problems of Physical Geography 2 (Earth System: Man and Environment)			04-Geo-SPG2-152-m01
Module coordinator		**Module offered by**	
holder of the Chair of Soil Geography		Institute of Geography and Geology	
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
5	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

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

Intended learning outcomes

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

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

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

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

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

Allocation of places

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Additional information

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Workload

150 h

Teaching cycle

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

§ 66 I Nr. 2

Module title			Abbreviation
Special Problems of Physical Geography 3 (Earth System: Man and Environment)			04-Geo-SPG3-152-m01
Module coordinator		**Module offered by**	
holder of the Professorship of Climatology		Institute of Geography and Geology	
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
5	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

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

Allocation of places

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Additional information

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Workload

150 h

Teaching cycle

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

§ 66 I Nr. 2

Module title			Abbreviation
Special Problems of Physical Geography - Project study			04-Geo-SPGFwP-152-m01
Module coordinator		**Module offered by**	
holder of the Chair of Physical Geography		Institute of Geography and Geology	
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
8	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

The module serves to deepen the skills in "Special Physical Geography". Selected geofactors and applied problems are in the centre of courses. Part of the seminar will be a small project study concerning a selected issue of "special physical geography", which comprises the following process steps: Conception, data acquisition, data analysis and evaluation of explored issues.

Intended learning outcomes

The module provides students with advanced knowledge of Special Physical Geography. 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.Students achieve skills of the practical implementation of a specific physical-geographical issue. They also gain experience in independent an autonomous teamwork.

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

S (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)

a) project (approx. 40 pages) or
b) presentation (approx. 30 minutes) with related term paper (approx. 30 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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Workload

240 h

Teaching cycle

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

§ 66 I Nr. 2