Julius-Maximilians-
UNIVERSITÄT
WÜRZBURG

Subdivided Module Catalogue

for the Subject

Geography (Focus Human Geography)

as a major in a Bachelor's degree programme

with the degree "Bachelor of Science"

(120 ECTS credits)

Examination regulations version: 2010
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 human 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 the development of current land management with regard to its effect on society and economy.

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

- Expert knowledge about human geography and spatial science.
- Overview of the relationship of their own disciplines
- Ability to identify, formulate and - supported by personally researched literature - solve subject-specific problems and tasks.
- 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 and subject-specific 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:

ASPO2009

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

21-Mar-2011 (2011-31)

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
Compulsory Courses (60 ECTS credits)				
General Human Geography (15 ECTS credits)				
09-HG1-082-m01	General Human Geography	15	NUM	8
General Physical Geography (10 ECTS credits)				
09-PG1T1-102-m01	General Physical Geography - Part 1	10	NUM	18
Special Problems of Human Geography (5 ECTS credits)				
09-HG2T1-102-m01	Special Issues of Human Geography 1	5	NUM	10
Working methods of Human Geography (15 ECTS credits)				
09-MT2-082-m01	Theories and Methodology in Human Geography	5	NUM	15
09-MT4-102-m01	Quantitative and Qualitative Regional Analysis	10	NUM	16
Statistics and Cartography (15 ECTS credits)				
09-STAT-KART1-102-m01	Cartography and Statistics 1	10	NUM	30
09-STAT-KART2-102-m01	Cartography and Statistics 2	5	NUM	31
Compulsory Electives (30 ECTS credits)				
Special and Applied Human Geography				
09-HG2T2-102-m01	Special Issues of Human Geography 2	5	NUM	11
09-HG3-102-m01	Applied Human Geography	10	NUM	12
Statistics and Cartography				
09-STAT2-102-m01	Statistics 2	5	NUM	29
09-KART2-102-m01	Geographical Information Systems (GIS)	5	NUM	14
Remote Sensing				
09-FERN1-102-m01	Remote Sensing 1	5	NUM	6
09-FERN2-102-m01	Remote Sensing 2	5	NUM	7
Regional Geography				
09-RG1T1-102-m01	Regional Geography 1 - Part 1	5	NUM	26
09-RG1T2-102-m01	Regional Geography 1 - Part 2	5	NUM	27
Physical Geography				
09-PG1T2-102-m01	General Physical Geography - Part 2	5	NUM	20
09-PG2T1-102-m01	Special Problems of Physical Geography 1	5	NUM	22
09-PG2T2-102-m01	Special Problems of Physical Geography 2	5	NUM	23
Thesis (10 ECTS credits)				
09-AA-Geo-102-m01	Bachelor Thesis Geography	10	NUM	5
Subject-specific Key Skills (15 ECTS credits)				
09-SQL1-102-m01	Chairing and Presenting	5	B/NB	28
09-PRAK-072-m01	Job-related Practical Experience	10	B/NB	24

Module title			Abbreviation
Bachelor Thesis Geography			09-AA-Geo-102-m01
Module coordinator		**Module offered by**	
Managing Director of the Institute of Geography and Geology		Institute of Geography and Geology	
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
10	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

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

Intended learning outcomes

Students have the following knowledge:
- Ability to produce a scientific work independently (description and analysis of a problem, literary research, theory reference, interpretation of data, logical conclusion and solution approaches of a scientific issue).
- linguistic competence.
- Ability to master tasks within a given period of time.

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

no courses assigned

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 elaboration (approx. 40 pages)
Language of assessment: German, English

Allocation of places

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Additional information

Additional information on module duration: 8 weeks.

Workload

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Teaching cycle

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

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Module appears in

Bachelor' degree (1 major) Geography (2010)
Bachelor's degree (1 major, 1 minor) Geography (Focus Physical Geography) (2010)
Bachelor's degree (1 major, 1 minor) Geography (Focus Human Geography) (2010)
Bachelor's degree (2 majors) Geography (2010)

Module title			Abbreviation
Remote Sensing 1			09-FERN1-102-m01
Module coordinator		**Module offered by**	
holder of the Chair 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

Introduction to "Geographical Remote Sensing".

Intended learning outcomes

Students possess the following skills: Theoretical basics of the Remote Sensing System, Remote Sensing against the background of different sensor and platform specifications.

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

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

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

written examination (approx. 45 minutes)

Allocation of places

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Additional information

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Workload

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Teaching cycle

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

§ 66 (1) 2. Geographie Methoden der Geographie

Module appears in

Bachelor' degree (1 major) Computer Science (2014)
Bachelor' degree (1 major) Mathematics (2014)
Bachelor' degree (1 major) Mathematics (2012)
Bachelor' degree (1 major) Mathematics (2013)
Bachelor's degree (1 major, 1 minor) Geography (Minor, 2012)
Bachelor's degree (1 major, 1 minor) Geography (Focus Physical Geography) (2010)
Bachelor's degree (1 major, 1 minor) Geography (Focus Human Geography) (2010)
Bachelor's degree (2 majors) Geography (2010)

Module title			Abbreviation
Remote Sensing 2			09-FERN2-102-m01
Module coordinator		**Module offered by**	
holder of the Chair 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

Application of Remote Sensing to Geography.

Intended learning outcomes

Students have skills of current geographical fields of application concerning the cross-sectional methodology, consolidation of application possibilities of different sensor and platform specifications.

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

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

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

written examination (approx. 45 minutes)

Allocation of places

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Additional information

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Workload

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Teaching cycle

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

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Module appears in

Bachelor' degree (1 major) Computer Science (2014)
Bachelor' degree (1 major) Mathematics (2014)
Bachelor' degree (1 major) Mathematics (2012)
Bachelor' degree (1 major) Mathematics (2013)
Bachelor's degree (1 major, 1 minor) Geography (Minor, 2012)
Bachelor's degree (1 major, 1 minor) Geography (Focus Physical Geography) (2010)
Bachelor's degree (1 major, 1 minor) Geography (Focus Human Geography) (2010)
Bachelor's degree (2 majors) Geography (2010)

Module title			Abbreviation
General Human Geography			09-HG1-082-m01
Module coordinator		**Module offered by**	
holder of the Chair of Economic Geography		Institute of Geography and Geology	
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
15	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

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

Intended learning outcomes

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

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

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

- 09-HG1-1-082: V + T (no information on SWS (weekly contact hours) and course language available)
- 09-HG1-2-082: V + T (no information on SWS (weekly contact hours) and course language available)
- 09-HG1-3-082: V + T (no information on SWS (weekly contact hours) and course language available)

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

Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.

Assessment in module component 09-HG1-1-082: Introduction to the Geography of Cities, Towns and Villages Introduction to the Geography of Cities, Towns and Villages

- 5 ECTS, Method of grading: numerical grade
- written examination (approx. 45 minutes)

Assessment in module component 09-HG1-2-082: Introduction to Economic Geography Introduction to Economic Geography

- 5 ECTS, Method of grading: numerical grade
- written examination (approx. 45 minutes)

Assessment in module component 09-HG1-3-082: Introduction to Social and Population Geography Introduction to Social and Population Geography

- 5 ECTS, Method of grading: numerical grade
- written examination (approx. 45 minutes)

Allocation of places

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Additional information

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Workload

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Teaching cycle

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

§ 47 (1) 1. Geographie Humangeographie
§ 66 (1) 1. Geographie Humangeographie

Module appears in
Bachelor' degree (1 major) Geography (2008)
Bachelor' degree (1 major) Geography (2010)
Bachelor' degree (1 major) Mathematics (2008)
Bachelor's degree (1 major, 1 minor) Geography (Minor, 2008)
Bachelor's degree (1 major, 1 minor) Geography (Focus Human Geography) (2010)
Bachelor's degree (2 majors) Geography (2010)

Module title			Abbreviation
Special Issues of Human Geography 1			09-HG2T1-102-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".

Intended learning outcomes

Students are familiar with technical theories and have solid knowledge of a sub-area of Human Geography and their application-oriented implementation. They are acquainted with the production of seminar papers on the basis of independent literature work as well as presentation of the seminar papers in a freely hold presentation.

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

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

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

presentation (approx. 30 minutes) with written elaboration (approx. 20 pages), weighted 1:1

Allocation of places

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Additional information

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Workload

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Teaching cycle

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

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Module appears in

Bachelor' degree (1 major) Mathematics (2012)
Bachelor' degree (1 major) Mathematics (2013)
Bachelor's degree (1 major, 1 minor) Geography (Minor, 2012)
Bachelor's degree (1 major, 1 minor) Geography (Focus Physical Geography) (2010)
Bachelor's degree (1 major, 1 minor) Geography (Focus Human Geography) (2010)
Bachelor's degree (2 majors) Geography (2010)

Module title			Abbreviation
Special Issues of Human Geography 2			09-HG2T2-102-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".

Intended learning outcomes

Students are familiar with technical theories and have solid knowledge of a sub-area of Human Geography and their application-oriented implementation. They are acquainted with the production of seminar papers on the basis of independent literature work as well as presentation of the seminar papers in a freely hold presentation.

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

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

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

presentation (approx. 30 minutes) with written elaboration (approx. 20 pages), weighted 1:1

Allocation of places

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Additional information

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Workload

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Teaching cycle

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

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Module appears in

Bachelor' degree (1 major) Mathematics (2012)
Bachelor' degree (1 major) Mathematics (2013)
Bachelor's degree (1 major, 1 minor) Geography (Minor, 2012)
Bachelor's degree (1 major, 1 minor) Geography (Focus Physical Geography) (2010)
Bachelor's degree (1 major, 1 minor) Geography (Focus Human Geography) (2010)
Bachelor's degree (2 majors) Geography (2010)

Module title			Abbreviation
Applied Human Geography			09-HG3-102-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)**	
10	numerical grade	09-HG1 and 09-MT2 and 09-MT4 and 09-STAT-1 and 09-KART-1 and either 09-STAT-2 or 09-KART-2	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

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

Intended learning outcomes

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

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

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

- 09-HG3-1-082: S (no information on SWS (weekly contact hours) and course language available)
- 09-HG3-2-102: S (no information on SWS (weekly contact hours) and course language available)

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

Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.

Assessment in module component 09-HG3-1-082: Project-oriented Seminar 1 for Applied Human Geography

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

Assessment in module component 09-HG3-2-102: Project-oriented Seminar 2 for Applied Human Geography

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

Allocation of places

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Additional information

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Workload

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Teaching cycle

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

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Module appears in

Bachelor' degree (1 major) Geography (2010)
Bachelor' degree (1 major) Mathematics (2012)
Bachelor' degree (1 major) Mathematics (2013)
Bachelor's degree (1 major, 1 minor) Geography (Focus Human Geography) (2010)

Module title			**Abbreviation**
Geographical Information Systems (GIS)			09-KART2-102-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)**	
5	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

Introduction to "GIS".

Intended learning outcomes

Students possess the following skills: Students acquire the ability to deal with geo data and GIS.

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

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

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

practice work (approx. 5 pieces of practice work to be completed in approx. 30 hours)

Allocation of places

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Additional information

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Workload

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Teaching cycle

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

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Module appears in

Bachelor's degree (1 major, 1 minor) Geography (Focus Physical Geography) (2010)
Bachelor's degree (1 major, 1 minor) Geography (Focus Human Geography) (2010)
Bachelor's degree (2 majors) Geography (2010)

Module title			Abbreviation
Theories and Methodology in Human Geography			09-MT2-082-m01
Module coordinator		**Module offered by**	
holder of the Professorship of Cultural 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 course will introduce students to general theory of science and geographical specific theory, discussion of different perspectives of research and methodologies, basics of empirical study in analytical and prescriptive sciences.

Intended learning outcomes

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

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

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

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

written examination (45 minutes) and presentation (approx. 20 minutes), weighted 1:1

Allocation of places

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Additional information

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Workload

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Teaching cycle

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

§ 66 (1) 2. Geographie Methoden der Geographie

Module appears in

Bachelor' degree (1 major) Geography (2008)
Bachelor' degree (1 major) Geography (2010)
Bachelor' degree (1 major) Mathematics (2008)
Bachelor' degree (1 major) Mathematics (2012)
Bachelor' degree (1 major) Mathematics (2013)
Bachelor's degree (1 major, 1 minor) Geography (Minor, 2012)
Bachelor's degree (1 major, 1 minor) Geography (Focus Human Geography) (2010)
Bachelor's degree (2 majors) Geography (2010)

Module title			Abbreviation
Quantitative and Qualitative Regional Analysis			09-MT4-102-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)**	
10	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

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

Intended learning outcomes

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

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

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

- 09-MT4-1-102: S (no information on SWS (weekly contact hours) and course language available)
- 09-MT4-2-102: S (no information on SWS (weekly contact hours) and course language available)

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

Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.

Assessment in module component 09-MT4-1-102: Quantitative Regional Analysis

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

Assessment in module component 09-MT4-2-102: Qualitative Regional Analysis

- 5 ECTS, Method of grading: numerical grade
- a) presentation (approx. 30 minutes) with written elaboration (approx. 20 pages), weighted 1:1 or b) 2 short presentations (10 minutes each) and one portfolio (including approx. 5 logs of practical exercises as well as approx. 3 exercises), weighted 1:1:2

Allocation of places

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Additional information

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Workload

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Teaching cycle

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

§ 66 (1) 2. Geographie Methoden der Geographie

Module appears in

Bachelor' degree (1 major) Geography (2010)
Bachelor' degree (1 major) Mathematics (2012)

Bachelor' degree (1 major) Mathematics (2013)
Bachelor's degree (1 major, 1 minor) Geography (Minor, 2012)
Bachelor's degree (1 major, 1 minor) Geography (Focus Human Geography) (2010)
Bachelor's degree (2 majors) Geography (2010)

Module title			Abbreviation
General Physical Geography - Part 1			09-PG1T1-102-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)**	
10	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

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

Intended learning outcomes

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

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

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

- 09-PG1-2-082: V + T (no information on language and number of weekly contact hours available)
- 09-PG1-3-082: V + T (no information on language and number of weekly contact hours available)
- 09-PG1-1-102: V + T (no information on language and number of weekly contact hours available)

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

This module has the following 3 assessment components. To pass the module as a whole students must pass two out of these three assessment components.

Assessment component to module component 09-PG1-2-082: Allgemeine Physische Geographie 2 (System Erde: Klimasystem)

- 5 ECTS credits, method of grading: numerical grade
- written examination (approx. 45 minutes)

Assessment component to module component 09-PG1-3-082: Allgemeine Physische Geographie 3 (System Erde: Endogene Dynamik)

- 5 ECTS credits, method of grading: numerical grade
- written examination (approx. 45 minutes)

Assessment component to module component 09-PG1-1-102: Allgemeine Physische Geographie 1 (System Erde: Exogene Dynamik - Geomorphologie)

- 5 ECTS credits, method of grading: numerical grade
- written examination (approx. 45 minutes)

Allocation of places

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Additional information

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Workload

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Teaching cycle

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

§ 47 (1) 1. Geographie Physiogeographie
§ 66 (1) 1. Geographie Physiogeographie

Module appears in
Bachelor's degree (1 major, 1 minor) Geography (Focus Human Geography) (2010)

Module title			Abbreviation
General Physical Geography - Part 2			09-PG1T2-102-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

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

Intended learning outcomes

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

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

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

- 09-PG1-2-082: V + T (no information on language and number of weekly contact hours available)
- 09-PG1-3-082: V + T (no information on language and number of weekly contact hours available)
- 09-PG1-1-102: V + T (no information on language and number of weekly contact hours available)

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

This module has the following 3 assessment components. To pass the module as a whole students must pass one of the three assessment components.

Assessment component to module component 09-PG1-2-082: Allgemeine Physische Geographie 2 (System Erde: Klimasystem)

- 5 ECTS credits, method of grading: numerical grade
- written examination (approx. 45 minutes)

Assessment component to module component 09-PG1-3-082: Allgemeine Physische Geographie 3 (System Erde: Endogene Dynamik)

- 5 ECTS credits, method of grading: numerical grade
- written examination (approx. 45 minutes)

Assessment component to module component 09-PG1-1-102: Allgemeine Physische Geographie 1 (System Erde: Exogene Dynamik - Geomorphologie)

- 5 ECTS credits, method of grading: numerical grade
- written examination (approx. 45 minutes)

Allocation of places

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Additional information

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Workload

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Teaching cycle

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

§ 47 (1) 1. Geographie Physiogeographie
§ 66 (1) 1. Geographie Physiogeographie

Module appears in
Bachelor's degree (1 major, 1 minor) Geography (Focus Human Geography) (2010)

Module title			Abbreviation
Special Problems of Physical Geography 1			09-PG2T1-102-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)**	
5	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

This module covers synthesis and networking of physical-geographical factors in the light of different methodical approaches and particularly on the basis of the human impact: geomorphology, climate, soil, hydro geography, global change and past global change incl. geo and ecosystem research and ecosystem prediction as well as the cycle of materials on Earth's surface.

Intended learning outcomes

Students are acquainted with the synthesis and interconnectedness of skills that have already been acquired concerning the processes on Earth's surface, which are dominating the landscape on Earth's surface and are driven by the geological factors rock, relief, climate, soil, water, flora and fauna. These processes determine structure, function and dynamics of the natural environment and its anthropogenic transformation (the environment that has been shaped from humans by land utilisation, settlements, transport routes etc.). Through the quantitative acquisition of current process structures, Physical Geography is not only able to derive predications for the capability and capacity of geological systems, but also to predict changes in future by analysing the development and change of geographical territories in the past. These important planning decision-making bases concerning the management as well as the sustainable use and development, are given weight to the task of Physical Geography in the practical area.

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

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

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

written examination (approx. 45 minutes)

Allocation of places

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Additional information

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Workload

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Teaching cycle

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

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Module appears in

Bachelor' degree (1 major) Mathematics (2012)
Bachelor' degree (1 major) Mathematics (2013)
Bachelor's degree (1 major, 1 minor) Geography (Minor, 2012)
Bachelor's degree (1 major, 1 minor) Geography (Focus Physical Geography) (2010)
Bachelor's degree (1 major, 1 minor) Geography (Focus Human Geography) (2010)
Bachelor's degree (2 majors) Geography (2010)

Module title			Abbreviation
Special Problems of Physical Geography 2			09-PG2T2-102-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)**	
5	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

This module covers synthesis and networking of physical-geographical factors in the light of different methodical approaches and particularly on the basis of the human impact: geomorphology, climate, soil, hydro geography, global change and past global change incl. geo and ecosystem research and ecosystem prediction as well as the cycle of materials on Earth's surface.

Intended learning outcomes

Students are acquainted with the synthesis and interconnectedness of skills that have already been acquired concerning the processes on Earth's surface, which are dominating the landscape on Earth's surface and are driven by the geological factors rock, relief, climate, soil, water, flora and fauna. These processes determine structure, function and dynamics of the natural environment and its anthropogenic transformation (the environment that has been shaped from humans by land utilisation, settlements, transport routes etc.). Through the quantitative acquisition of current process structures, Physical Geography is not only able to derive predications for the capability and capacity of geological systems, but also to predict changes in future by analysing the development and change of geographical territories in the past. These important planning decision-making bases concerning the management as well as the sustainable use and development, are given weight to the task of Physical Geography in the practical area.

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

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

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

presentation (approx. 30 minutes) with written elaboration (approx. 20 pages), weighted 1:1

Allocation of places

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Additional information

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Workload

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Teaching cycle

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

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Module appears in

Bachelor' degree (1 major) Mathematics (2012)
Bachelor' degree (1 major) Mathematics (2013)
Bachelor's degree (1 major, 1 minor) Geography (Minor, 2012)
Bachelor's degree (1 major, 1 minor) Geography (Focus Physical Geography) (2010)
Bachelor's degree (1 major, 1 minor) Geography (Focus Human Geography) (2010)
Bachelor's degree (2 majors) Geography (2010)

Module title			Abbreviation
Job-related Practical Experience			09-PRAK-072-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)**	
10	(not) successfully completed	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

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

Intended learning outcomes

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

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

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

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

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

Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.

Assessment in module component 09-PRAK-1-072: Job-related Practical Experience 1

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

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

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

Allocation of places

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Additional information

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Workload

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Teaching cycle

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

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Module appears in
Bachelor' degree (1 major) Geography (2007)
Bachelor' degree (1 major) Geography (2008)
Bachelor' degree (1 major) Geography (2010)
Bachelor's degree (1 major, 1 minor) Geography (Focus Physical Geography) (2010)
Bachelor's degree (1 major, 1 minor) Geography (Focus Human Geography) (2010)

Module title			Abbreviation
Regional Geography 1 - Part 1			09-RG1T1-102-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)**	
5	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

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

Intended learning outcomes

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

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

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

Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module 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 (groups of 3, 45 minutes)

Allocation of places

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Additional information

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Workload

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Teaching cycle

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

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Module appears in

Bachelor's degree (1 major, 1 minor) Geography (Minor, 2012)
Bachelor's degree (1 major, 1 minor) Geography (Focus Physical Geography) (2010)
Bachelor's degree (1 major, 1 minor) Geography (Focus Human Geography) (2010)
Bachelor's degree (2 majors) Geography (2010)

Module title			Abbreviation
Regional Geography 1 - Part 2			09-RG1T2-102-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)**	
5	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

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

Intended learning outcomes

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

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

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

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

presentation (approx. 30 minutes) with written elaboration (approx. 20 pages), weighted 1:1

Allocation of places

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Additional information

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Workload

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Teaching cycle

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

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Module appears in

Bachelor's degree (1 major, 1 minor) Geography (Minor, 2012)
Bachelor's degree (1 major, 1 minor) Geography (Focus Physical Geography) (2010)
Bachelor's degree (1 major, 1 minor) Geography (Focus Human Geography) (2010)
Bachelor's degree (2 majors) Geography (2010)

Module title			Abbreviation
Chairing and Presenting			09-SQL1-102-m01
Module coordinator		**Module offered by**	
holder of the Professorship of Cultural Geography		Institute of Geography and Geology	
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
5	(not) successfully completed	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

Students will acquire general key skills for their studies. Introduction to"Rresearch Methods" and the "Research Process".

Intended learning outcomes

Students dispose over the following skills: Basics of presentation, dealing with methods of the scientific work, application of adequate working techniques.

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

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

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

presentation/moderation (approx. 30 minutes) as well as (small pieces of) project work (approx. 30 hours), weighted 1:1

Allocation of places

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Additional information

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Workload

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Teaching cycle

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

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Module appears in

Bachelor' degree (1 major) Geography (2010)
Bachelor's degree (1 major, 1 minor) Geography (Focus Physical Geography) (2010)
Bachelor's degree (1 major, 1 minor) Geography (Focus Human Geography) (2010)
Bachelor's degree (2 majors) Geography (2010)

Module title			Abbreviation
Statistics 2			09-STAT2-102-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)**	
5	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

Introduction to "Statistical Working Methods to Geography": basics of multivariate statistics.

Intended learning outcomes

Students have advanced knowledge of basic statistical processes of data analysis and thus, are familiar with the basics of the methodological and practical area. Moreover, initial experiences in the computerised data analysis will be gathered.

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

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

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

written examination (approx. 60 minutes)

Allocation of places

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Additional information

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Workload

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Teaching cycle

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

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Module appears in

Bachelor's degree (1 major, 1 minor) Geography (Focus Physical Geography) (2010)
Bachelor's degree (1 major, 1 minor) Geography (Focus Human Geography) (2010)
Bachelor's degree (2 majors) Geography (2010)

Module title			Abbreviation
Cartography and Statistics 1			09-STATKART1-102-m01
Module coordinator			**Module offered by**
holder of the Professorship of Cultural Geography			Institute of Geography and Geology
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
10	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

Introduction to "Cartography" and to the "Collection and Processing of Geodata", introduction to "Statistical Working Methods to Geography": basics of univariate and multivariate statistics.

Intended learning outcomes

Students have the following skills: Basics of Cartography and the use of geo data. Students have the knowledge of basic statistical processes of data analysis and thus, are familiar with one part of the basics concerning the methodological and practical area.

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

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

- 09-KART-1-082: V + T (no information on SWS (weekly contact hours) and course language available)
- 09-STAT-1-082: V + T (no information on SWS (weekly contact hours) and course language available)

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

Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.

Assessment in module component 09-KART-1-082: Cartography and Geodata Cartography and Geodata

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

Assessment in module component 09-STAT-1-082: Statistics 1: Fundamentals of Descriptive and Inferential Statistics Statistics 1: Fundamentals of Descriptive and Inferential Statistics

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

Allocation of places

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Additional information

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Workload

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Teaching cycle

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

§ 66 (1) 2. Geographie Methoden der Geographie

Module appears in

Bachelor's degree (1 major, 1 minor) Geography (Focus Physical Geography) (2010)
Bachelor's degree (1 major, 1 minor) Geography (Focus Human Geography) (2010)

Module title			Abbreviation
Cartography and Statistics 2			09-STATKART2-102-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)**	
5	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

Introduction to "GIS", consolidation of "statistical working methods to Geography": Specific processes and basics of multivariate statistics.

Intended learning outcomes

Students have the following skills: Basics of GIS. Students have the knowledge of basic specific and multivariate statistical processes of data analysis and hence, are acquainted with a further part of the basics concerning the methodological and practical area.

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

This module has 2 components; information on courses listed separately for each component.
- 09-STAT-2-102: V + T (no information on language and number of weekly contact hours available)
- 09-KART-2-102: S (no information on language and number of weekly contact hours available)

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

This module has the following 2 assessment components. To pass the module as a whole students must pass one of the two assessment components.

Assessment component to module component 09-STAT-2-102: Statistik 2: Spezielle and multivariate Verfahren
- 5 ECTS credits, method of grading: numerical grade
- written examination (approx. 60 minutes)

Assessment component to module component 09-KART-2-102: Geographische Informationssysteme (GIS)
- 5 ECTS credits, method of grading: numerical grade
- practice work (approx. 5 pieces of practice work to be completed in approx. 30 hours)

Allocation of places

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Additional information

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Workload

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Teaching cycle

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

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Module appears in

Bachelor's degree (1 major, 1 minor) Geography (Focus Physical Geography) (2010)
Bachelor's degree (1 major, 1 minor) Geography (Focus Human Geography) (2010)