

Consecutive Master in Geography

CP	7. Semester (HS)	8. Semester (FS)	9. Semester (HS)	CP	
1	Consolidation Module * Vertiefungsblock	Consolidation Module * Vertiefungsblock	GEO 511 Master's Thesis	1	
2				2	
3				3	
4				4	
5				5	
6				6 CP	6 CP
7	Consolidation Module * Vertiefungsblock	Consolidation Module * Vertiefungsblock	Master's Thesis can also be written in two semesters (max. 1 year).	7	
8				8	
9				9	
10				10	
11				11	
12				6 CP	6 CP
13	Consolidation Module * Vertiefungsblock	Elective Modules		13	
14				14	
15				15	
16				16	
17				17	
18				6 CP	
19	GEO 410 General Education: Geography Matters.			19	
20				20	
21				21	
22				4 CP	
23	Elective Modules			23	
24				24	
25				25	
26				26	
27				27	
28					ca. 16 CP
29			29		
30				30	
31			GEO 512 Master's Exam	31	
32				2 CP	32

 Compulsory modules	HS: fall semester
 Consolidation modules	FS: spring semester
 Elective modules	CP: ECTS Credit Points
	* Some consolidation modules span over two semesters

Structure of the Master's degree

At least **five of the core elective modules** offered by the Department of Geography have to be completed. Core elective modules are also called consolidation modules ("Vertiefungsblock VB") and are assigned 6 ECTS credits each.

Emphasis within the Master of Geography

To achieve a Master's degree with a designated emphasis, a minimum of three consolidation blocks (VB) and the Master's thesis have to be completed within the field of the emphasis.

The following emphases are possible:

- **Physical Geography** **
- **Human Geography**
- **Remote Sensing**
- **Geographic Information Science and Systems** ***

** In **Physical Geography** a minimum of three consolidation modules have to be chosen out of at least two of the four units of Physical Geography (e.g. two modules out of 3G and one out of 2B, H2K or GCH or one module each out of three different units).

*** In **GIScience and Systems** any two modules of 3 ECTS credits can be combined to one consolidation module / Vertiefungsblock.

General Master's degree

In addition to the emphases, it is possible to achieve a general Master's degree. For the degree in **General Geography** the five consolidation modules have to be chosen out of the three Thematic Subject Areas Physical Geography, Human Geography, as well as Remote Sensing and Geographic Information Science.

Consolidation Modules / Vertiefungsblöcke VB

Emphasis on GIScience and Systems

Fall Semester (HS)

GEO 871 Retrieving Geographic Information

GEO 872 Advanced Spatial Analysis I

GEO 873 Cognitive Issues in GIScience

GEO 874 Introduction to Databases

GEO 875 Spatial Databases

Spring Semester (FS)

GEO 876 Introduction to Programming for Spatial Problems

GEO 878 Geovisualisation

GEO 880 Computational Movement Analysis

GEO 881 Advanced Spatial Analysis II

GEO 884 Location-based Services

Emphasis on Remote Sensing

Fall Semester (HS)

GEO 442 Specialization in Remote Sensing: Spectroscopy of the Earth System

GEO 443 Specialization in Remote Sensing: SAR and LIDAR

Spring Semester (FS)

GEO 441 Remote Sensing A: Seminar

Emphasis on Human Geography

Fall Semester (HS)

GEO 421 Development Studies

GEO 423 Political Geography

GEO 432 Gender, Work and Space

Spring Semester (FS)

GEO 422 Qualitative Methodologies and Methods in Human Geography

GEO 425 Political Ecology

GEO 424 Environment in History

GEO 433 Global Economic Geographies of Agriculture and Food Systems

Two of the following courses can be combined and counted as a consolidation module in Human Geography:

GEO 722 Human Geography Field Course 1

GEO 838 Self-organised Seminar

GEO 723 Human Geography Field Course 2

GEO 724 Human Geography Field Course 3

GEO 837 Regional Environmental Governance

Emphasis on Physical Geography

Fall Semester (HS)

GEO 463 Soil Science I: Current challenges in soil science (2B)

GEO 475 Hydrological Modelling and Programming (H2K)

Spring Semester (FS)

GEO 411 Field studies on high mountain processes (3G)

GEO 412 Soil Science III: Practical Project (2B)

GEO 415 Cryosphere (3G)

GEO 419 Soil Science II: Seminar plant-soil systems in a changing world (2B)

GEO 471 Hydrological field measurements and calculations (H2K)

Over both semesters (HS & FS)

GEO 417 Environmental archives and age determination (GCH)

GEO 418 Atmosphere and Climate (H2K)

Two of the following courses can be combined and counted as a consolidation module in Physical Geography:

GEO 815 Quantification and modelling of the Cryosphere: dynamic processes (3G)

GEO856 The high-mountain cryosphere: processes and risks (3G)

GEO 851 Glacier Mass Balance Measurements and Analysis – from local observations to global assessments (3G)

GEO857 Snow and Avalanches: Processes and Risk Management (3G)

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