

Master's degree in Geography

With 30 ECTS credits Master's thesis				
ECTS	7. Semester (HS)	8. Semester (FS)	9. Semester (HS)	ECTS
1	GEO 410 Geography.Matters.	Core elective modules	GEO 511 Master's thesis	1
2			Master's thesis may also be written over two semesters (max. 12 months).	2
3				3
4			4	
5	Core elective modules	ca. 12 ECTS	Master's thesis	5
6	Some core elective modules span over two semesters.			6
7				7
8				8
9				9
10				10
11				11
12				12
13				13
14				14
15				15
16				16
17		17		
18		18		
19		19		
20		20		
21		21		
22	ca. 18 ECTS	ca. 16 ECTS	30 ECTS	22
23	Elective modules			23
24				24
25				25
26				26
27				27
28		28		
29		29		
30	ca. 8 ECTS		30	
31		GEO 512 Master's exam	31	
32		2 ECTS	32	

Structure

To obtain a Master's degree with a 30 ECTS credits Master thesis, at least 30 ECTS credits have to be completed with core elective modules offered by the Department of Geography.

Emphasis

To obtain a Master's degree with a designated emphasis within the Master of Geography, a minimum of 18 ECTS credits in core elective modules 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 the 18 ECTS credits in core elective modules need to be completed 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).

Degree in General Geography

In addition to the emphases, it is possible to obtain a general Master's degree. For the degree in General Geography a minimum of 6 ECTS credits in core elective modules have to be chosen out of each of the three thematic subject areas Physical Geography, Human Geography, as well as Remote Sensing and Geographic Information Science.

With 60 ECTS credits Master's thesis				
ECTS	7. Semester (HS)	8. Semester (FS)	9. Semester (HS)	ECTS
1	GEO 400 Master's agreement	GEO 510 Master's thesis		1
2	GEO 410 Geography.Matters.	Master's thesis may also be written over three semesters (max. 18 months).		2
3			3	
4			4	
5		4 ECTS	5	
6	Core elective modules	ca. 12 ECTS	Master's thesis	6
7	Some core elective modules span over two semesters.			7
8				8
9				9
10				10
11				11
12				12
13				13
14				14
15				15
16				16
17				17
18		18		
19		19		
20		20		
21		21		
22		22		
23		18 ECTS	23	
24	Elective modules	6 ECTS	60 ECTS	24
25				25
26				26
27				27
28				28
29				29
30			30	
31		GEO 512 Master's exam	31	
32		2 ECTS	32	

Structure

To obtain a Master's degree with a 60 ECTS credits Master thesis, a Master agreement (GEO 400) needs to be made with the supervisor of the Master's thesis during the first semester. At least 18 ECTS credits have to be completed with core elective modules offered by the Department of Geography.

Emphasis

The conditions for a designated emphasis within the Master of Geography are defined with the supervisor and recorded on the Master's agreement (GEO 400). No unit is obliged to offer the 60 ECTS credits Master's thesis. Whether the 60 ECTS credits Master's thesis can be written, has to be agreed upon with the supervisor.

Degree in General Geography

To obtain the degree in General Geography is only possible with a 30 ECTS credits Master's thesis.

Overview

- Compulsory modules
 - Core elective modules
 - Elective modules
- HS: fall semester
FS: spring semester
ECTS: ECTS credits

Contact:

<https://www.geo.uzh.ch/en/studying.html>
teaching-support@geo.uzh.ch

Core elective modules

Emphasis on Human Geography

Fall Semester (HS)		Spring Semester (FS)	
GEO 421 Critical Development Studies	(6 ECTS)	GEO 422 Urban Geography: Research and Methods	(6 ECTS)
GEO 423 Political Geography	(6 ECTS)	GEO 425 Political Ecology: From Critique to Transformation	(6 ECTS)
GEO 424 Participatory Methods	(3 ECTS)	GEO 432 Gender, Work and Space	(6 ECTS)
GEO 432 Gender, Work and Space	(6 ECTS)	GEO 433 Global Economic Geographies of Agriculture and Food Systems	(6 ECTS)
GEO 837 Geographies of Environmental Governance	(3 ECTS)	GEO 835 Geography of Sustainability Transitions	(3 ECTS)
GEO 846 Spatial Theory Lab	(6 ECTS)	GEO 838 Self-organised Seminar	(3 ECTS)
GEO 887 Agroecology and Food Systems	(6 ECTS)		
GEO 839 Health Geographies	(3 ECTS)		

Emphasis on Physical Geography

Fall Semester (HS)		Spring Semester (FS)	
GEO 417 Environmental archives and age determination I (GCH)	(3 ECTS)	GEO 411 Modelling of Cryosphere (3G)	(6 ECTS)
GEO 463 Current challenges in plant-soil systems (2B)	(6 ECTS)	GEO 418 Environmental archives and age determination II (GCH)	(3 ECTS)
GEO 475 Hydrological Modelling (H2K)	(6 ECTS)	GEO 471 Hydrological field measurements and calculations (H2K)	(6 ECTS)
GEO 815 Quantification and modelling of the Cryosphere (3G)	(3 ECTS)	GEO 820 Stable isotopes in ecosystem science (2B)	(3 ECTS)
GEO 851 Glacier Mass Balance Measurements and Analysis - from local observations to global assessments (3G)	(3 ECTS)	GEO 856 The high-mountain cryosphere: processes and risk (3G)	(3 ECTS)
ESS 841 Analyzing the plant-soil system: Theory (2B)	(3 ECTS)	GEO 857 Snow and Avalanches: Processes and Risk Management (3G)	(3 ECTS)
		ESS 842 Analyzing the plant-soil system: Practice (2B)	(6 ECTS)

Over both semesters (HS & FS)
GEO 417 and GEO 418 Environmental archives and age determination I & II are complementary modules and must be taken together (GCH). (6 ECTS)

Emphasis on GIScience and Systems

Fall Semester (HS)		Spring Semester (FS)	
GEO 870 Making sense of empiric data	(3 ECTS)	GEO 454 Geovisualization	(6 ECTS)
GEO 871 Retrieving Geographic Information	(3 ECTS)	GEO 877 Spatial Algorithms	(3 ECTS)
GEO 873 Cognitive Issues in GIScience	(3 ECTS)	GEO 880 Computational Movement Analysis - Detecting Patterns and Trends in Environmental Data	(3 ECTS)
GEO 875 Spatial Databases	(6 ECTS)	GEO 885 GIScience Project	(3 ECTS)
GEO 879 Mobility Issues in GIScience	(3 ECTS)	GEO 888 GIS for Environmental Monitoring	(3 ECTS)
		SDS 210 Programming with Spatial Data	(5 ECTS)

Emphasis on Remote Sensing

Fall Semester (HS)		Spring Semester (FS)	
GEO 442 Remote Sensing Theory: Understanding signals	(4 ECTS)	GEO 440 Remote Sensing Insights: Colloquium	(1 ECTS)
GEO 443 Advanced Methods in Earth Observation - assessing spatial and temporal dynamics	(4 ECTS)	GEO 441 Remote Sensing Applications: Making Impact	(5 ECTS)
GEO 445 Data acquisition and processing from drone and ground surveying	(5 ECTS)	GEO 444 Advanced Photogrammetry and 3D imaging	(4 ECTS)