Prof. Dagmar Haase
Complex socio-ecological systems and sustainability transitions
Landscape Ecology  Modules: 4, 6.2, 7, 8

Prof. Patrick Hostert
Geography from space – remote sensing of land systems
Earth Observation  Modules: 3, 5.2, 7, 8

Prof. Dieter Gerten
Global hydrology, earth system modelling
PIK  Module: 2

Prof. Tobias Krüger
Transformations and uncertainties of land-water systems
IRI THESys  Modules: 1, 7, 8

Prof. Tobias Kümmerele
Conservation science, land system science
Biogeography  Modules: 3, 4, 7, 8

Prof. Tobia Lakes
Spatial analysis and modelling of human-environment interactions
Geoinformation Science  Modules: 1, 6.1, 7, 8

Prof. Wolfgang Lucht
Earth system analysis and modelling, sustainability science
PIK  Module: 2

Prof. Dörthe Tetzlaff
Ecohydrology and landscape hydrology
IGB  Module: 5.1

Prof. Christoph Schneider
Climatology – urban climate and air quality, cryosphere and climate
Climate Geography  Modules: 2, 5.1, 7, 8

Prof. Christoph Schneider
Climatology – urban climate and air quality, cryosphere and climate
Climate Geography  Modules: 2, 5.1, 7, 8

Partners

Contact

Dr. Sebastian van der Linden
sebastian.linden@hu-berlin.de
+49 (030) 2093-6872

Further Information

Information on the study programme:
hu.berlin/mscgeo

Information regarding application and deadlines:
hu.berlin/apply
Programme summary

Master students of the M.Sc. Global Change Geography will gain profound knowledge of current research questions, approaches and insights regarding the interactions between environment and society in the context of global change. Therefore, the programme aims at providing knowledge on scientific methods and findings from physical geography, in particular biogeography, climatology, hydrology, remote sensing, sustainability sciences, and geoinformation science. Students learn to integrate scientific theories, findings, and procedures for analysing and modelling human-environmental systems. In addition, the specialization of scientific key skills such as scientific writing and presenting, the analysis of primary literature as well as special language skills in English is a major qualification goal. The competencies for dealing with questions of global change and sustainable transformation are provided by applying a wide range of teaching and assessment modes such as classical classroom teaching, virtual lessons, research guided project work, intense research seminars and field work.

The study programme qualifies students for a wide range of professional fields, such as employment in science, planning, consultancy, nature conservation, development cooperation, specialized media or international organizations.

Programme organization

The M.Sc. Global Change Geography is a two-year master programme. Year one consists of compulsory and elective modules. The modular structure of year two with flexible and research oriented specialization modules enables students to tailor the programme around individual interests and career goals. All courses are taught in English. See overview below for details.

Application and Enrolment

Applicants hold a BSc degree in physical geography or a neighbouring discipline. German language skills are not required for this study programme. For further information on requirements and procedures, see hu.berlin/apply.

International applicants apply via uni-assist by the 15th of July. Applicants with German citizenship apply directly by the 31st of August.

Exemplary Study Programme

1. Semester
- 1 Quantitative Methods for Geographers
- 2 Climate and Earth System Dynamics
- 3 Global Land Use Dynamics

2. Semester
- 4 Ecosystem Dynamics and Global Change
- 5 Acquisition and Analysis of Environmental Data
  - 5.1 Field observation in climatology and hydrology
  - 5.2 Earth observation
- 6 Environmental Modelling
  - 6.1 Spatial modelling of the human-environment systems
  - 6.2 Systemic sustainability assessments of urban areas

3. Semester
- 7 Elective Specialization 1
- 8 Elective Specialization 2
- 9 Scientific Writing
- General Elective

4. Semester
- Master Thesis