

BSc-Themen 2023

Remote Sensing Laboratories

Earth System Science (ESS)

- ESS 1: Long term social-ecological systems in biodiverse tropical areas (EN)
- ESS 2: Contribution of agroforestry to smallholder food security (EN)
- ESS 3: Ecosystem services with Earth Observation (EN)
- ESS 4: Land and sea food production shifts and impacts (EN)
- ESS 5: Ecosystem service flows or legacy effects? Contribution of forests to tropical (smallholder) agriculture (EN)
- ESS 6: Examining nutrient dynamics with imaging spectroscopy in the Swiss Alps (EN/DE)

Remote Sensing (RS)

- RS 1: Environmental monitoring using remote sensing approaches (DE/EN)
- RS 2: Three-dimensional remote sensing in environmental sciences (DE/EN)
- RS 3: Global Change and Biodiversity (DE/EN)
- RS 4: Multitemporal land cover monitoring and change detection (DE/EN)

Remote Sensing of Water Systems (RSWS)

- RSWS 1: Remote sensing of lakes and rivers / Fernerkundung von Seen und Flüssen (DE/EN)
- RSWS 2: Remote sensing of water cycle components / Fernerkundung von Wasserkreislaufkomponenten (DE/EN)
- RSWS 3: Environmental change and water systems / Umweltänderungen und Wassersysteme (DE/EN)

Spatial Genetics (SG)

- SG 1: Remote monitoring of genetic resources / Fernerkundung der genetischen Ressourcen (DE/EN)
- SG 2: Remote sensing for resilient forests / Fernerkundung für widerstandsfähige Wälder (DE/EN)
- SG 3: Spatial data in sustainable agriculture / Geodaten in der nachhaltigen Landwirtschaft (DE/EN)
- SG 4: Precision pest management for pesticide reduction / Präzise Schädlingsbekämpfung zur Reduzierung von Pestiziden (DE/EN)

Human Geography

Labour Geography (LGG)

- LGG 1: New Geographies of Work: Precarious Labour in the 21st Century (DE/EN)
- LGG 2: Digital Geographies and Society (DE/EN)
- LGG 3: Feminist Geographies (DE/EN)
- LGG 4: Black Geographies (DE/EN)

Political Geography (PGG)

- PGG 1: Politische Ökologie: Konflikte um natürliche Ressourcen (DE/EN)
- PGG 2: Critical Geopolitics: Borders, Conflicts and Migration (EN)
- PGG 3: Krisen und Konflikte: Humanitäre Interventionen (DE/EN)
- PGG 4: Territories of Extraction: Mining, Regulation and Dispossession (EN)

Space, Nature and Society (SNS)

- SNS 1: Transformative change (EN)
- SNS 2: Human-nature relationships (DE/EN)
- SNS 3: Exploring alternative approaches to nature conservation (DE/EN)

Social and Cultural Geography (SoKu)

- SoKu 1: Culture and Urban Change (EN/DE)
- SoKu 2: Housing markets and housing politics (EN/DE)
- SoKu 3: Urban development and exclusion (EN/DE)

Economic Geography (WGG)

- WGG 1: Globale Warenketten: Ressourcen, Infrastrukturen und Märkte (DE/EN)
- WGG 2: Postwachstum und alternative Ökonomien (DE/EN)
- WGG 3: Food geographies: Production of nature and inequalities in the Plantationocene (DE/EN)
- WGG 4: Globalisierung und ethischer Konsum (DE/EN)

Physical Geography

Soil Science and Biogeography (2B)

- 2B 1: Bio- und Pedosphäre im Wandel (DE/EN)
- 2B 2: Stoffkreisläufe im System Boden, Pflanze, Atmosphäre (DE/EN)
- 2B 3: Ressource Boden (DE/EN)

Glaciology, Geomorphodynamics Group (3G)

- 3G 1: Gletscher und Eisschilde (DE/EN)
- 3G 2: Permafrost, Oberflächenprozesse und Naturgefahren im Hochgebirge (DE/EN)
- 3G 3: Auswirkungen des Klimawandels in den globalen Bergregionen (DE/EN)

GeoChronology (GCH)

- GCH 1: Boden- und Landschaftsdynamik (DE/EN)
- GCH 2: Datierungstechniken als Tool zur Landschafts- und Umweltrekonstruktion (DE/EN)
- GCH 3: Klima- und Umweltarchive (DE/EN)

Hydrology and Climate (H2K)

- H2K 1: Klimavariabilität und Wasserressourcen (DE/EN)
- H2K 2: Citizen science für besseres Wasser(wissen) (DE/EN)
- H2K 3: Globale und lokale Wasserkonflikte (und deren hydrologische Ursachen) (DE/EN)
- H2K 4: Urban hydrology (DE/EN)
- H2K 5: Water in the critical zone (DE/EN)

Geographisches Institut

Geography Teacher Training (GTT)

- GTT 1: Geographie und Bildung: Fokus Humangeographie (DE/EN)
- GTT 2: Geographie und Bildung: Fokus physische Geographie (DE/EN)
- GTT 3: Young people's geographies / Jugendgeographien (DE/EN)

GIScience

GeoComputation (GCO)

- GCO 1: Landschaftswahrnehmung im Text/ Landscape perception in text (DE/EN)
- GCO 2: Partizipatives GIS, und traditionelles und lokales Wissen / Participatory GIS, and traditional and local knowledge (DE/EN)
- GCO 3: Anwendungen von GIS in der Umweltmodellierung / Applications of GIS for environmental modelling (DE/EN)
- GCO 4: GIS für Katastrophenmanagement / GIS for disaster management (DE/EN)
- GCO 5: Aktives Crowdsourcing von geographischen Informationen: Pokemon Go - OpenStreetMap / Active crowdsourcing of geographic information: Pokemon Go - OpenStreetMap (DE/EN)

Geographic Information Systems (GIS)

- GIS 1: Mobility Analytics for inclusive transport, sustainable transport, health, and movement ecology [DE/EN]
- GIS 2: Language as a spatial phenomenon – migration, boundaries, and the environment [DE/EN]
- GIS 3: GeoAI: Artificial intelligence for geographic applications [EN]
- GIS 4: Geographic diffusion: studying the spread of innovations, languages, cultures and diseases in space and time [DE/EN]

Geographic Information Visualization and Analysis (GIVA)

- GIVA 1: Spatial Cognition and Behavioral Geography (DE/EN)
- GIVA 2: Geographic information visualization of uncertainty (DE/EN)
- GIVA 3: Location Privacy (DE/EN)
- GIVA 4: Designing for Diversity – Adapting to Individuals (DE/EN)