

BSc-Themen 2025

Human Geography

Labour Geography (LGG)

- LGG 1: Societal challenges in the world of work (DE/EN)
- LGG 2: Care work and social reproduction (DE/EN)
- LGG 3: Feminist Geographies (DE/EN)
- LGG 4: Geographies of precarious labour (DE/EN)
- LGG 5: Geographies of health and wellbeing (DE/EN)

Political Geography (PGG)

- PGG 1: Politische Ökologie: Konflikte um natürliche Ressourcen (DE/EN)
- PGG 2: Krieg und Frieden - War and Peace (DE/EN)
- PGG 3: Entwicklungshilfe und humanitäre Interventionen - Development Aid and Humanitarian Interventions (DE/EN)
- PGG 4: Geographies of Colonialism: Past, present, future (EN)

Space, Nature and Society (SNS)

- SNS 1: Alternative Zugänge im Naturschutz / Alternative approaches to nature conservation (DE/EN)
- SNS 2: Just sustainability transformations (EN)
- SNS 3: Sinne und Sprache in Mensch-Natur-Beziehungen / Senses and language in human-nature relations (DE/EN)

Social Geography and Urban Studies (SURB)

- SURB 1: Rental markets and urban exclusion (EN)
- SURB 2: Urban development processes: from vacancy to densification (EN)
- SURB 3: Global Gentrification (EN)
- SURB 4: Housing and Migration (DE/EN)
- SURB 5: Demolishing the City (DE/EN)

Economic Geography (WGG)

- WGG 1: Globale Warenketten: Ressourcen, Infrastrukturen und Märkte (DE/EN)
- WGG 2: Postwachstum und alternative Ökonomien (DE/EN)
- WGG 3: Plantation economy: Nature, labor and violence (DE/EN)
- WGG 4: Food Geographies: Globalisierung der Nahrungsmittelproduktion 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 und Anpassung an den Klimawandel (DE/EN)

Environment and Climate (Eclim)

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: Wasser im Untergrund (DE/EN)
- H2K 3: Globale und lokale Wasserkonflikte und nachhaltiges Wassermanagement (inklusive hydrologische Grundlagen/Ursachen) (DE/EN)
- H2K 4: Wasserqualität: Prozesse und Wassermanagement (DE/EN)

Geographisches Institut

Geography Teacher Training (GTT)

- GTT 1: Educational inequalities in urban spaces (DE/EN)
- GTT 2: Children and youth at risk (DE/E)
- GTT 3: Geographie und Bildung: Fokus Humangeographie (DE/EN)
- GTT 4: Geographie und Bildung: Fokus physische Geographie (DE/EN)

GIScience

GeoComputation (GCO)

- GCO 1: GIS, conservation and protected areas (DE/EN)
- GCO 2: Participatory GIS, traditional and local knowledge in GIS (DE/EN)
- GCO 3: GIS & natural hazards (DE/EN)
- GCO 4: Mobility and geographic information science - from data through models to analysis (DE/ EN)

Geographic Information Systems (GIS)

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)

Urban Analytics (UNA)

Remote Sensing Laboratories

Earth System Science (ESS)

- ESS 1: How do plant functional traits influence carbon cycle components such as photosynthesis and carbon storage? (EN) Supervised by Prof. Maria J. Santos's group
- ESS 2: Climate Change Impacts on Biodiversity and Food Security in Agroforestry Systems (EN). Supervised by Prof. Maria J. Santos's group
- ESS 3: Which are the functional traits in tropical plant communities with the most accurate remote sensing estimates and which best represent ecosystem changes? (EN) Supervised by Prof. Maria J. Santos's group
- ESS 4: Monitoring an exotic plant species invasion from space (EN). Supervised by Prof. Maria J. Santos's group
- ESS 5: Nucleation in aquatic ecosystems and consequences for restoration (EN). Supervised by Prof. Maria J. Santos's group
- ESS 6: Snow Albedo Feedback and Vegetation Dynamics in a Changing Arctic Climate (DE/EN). Topic only available for ESS students. Supervised by Prof. G. Schaepman-Strub's group
- ESS 7: Spatial and Temporal Variations of Dissolved Organic Carbon in the Yukon River Using Remote Sensing Data (DE/EN). Topic only available for ESS students. Supervised by Prof. G. Schaepman-Strub's group
- ESS 8: Cycling of pollutants in the terrestrial Arctic (DE/EN). Topic only available for ESS students. Supervised by Prof. G. Schaepman-Strub's group

Remote Sensing (RS)

- RS 1: Environmental monitoring using remote sensing approaches (DE/EN)
- RS 2: State of the art remote sensing approaches
- RS 3: Global Change and Biodiversity (DE/EN)
- RS 4: Multitemporal land cover monitoring and change detection (DE/EN)

Remote Sensing of Environmental Changes (RSE)

- RSE 1: Remote sensing in forestry (EN)
- RSE 2: Remote sensing of the cryosphere (EN)
- RSE 3: Historical images for environmental monitoring (EN)

Remote Sensing of Water Systems (RSWS)

- RSWS 1: Fernerkundung der Wasserqualität / Remote sensing of water quality (DE/EN)
- RSWS 2: Fernerkundung der Wasserdynamik / Remote sensing of water dynamics (DE/EN)
- RSWS 3: Fernerkundung von Wassersystemen: Methodische Herausforderungen / Remote sensing of water systems: Methodological challenges (DE/EN)

Spatial Genetics (SG)

- SG 1: Leveraging remote sensing to monitor biodiversity / Einsatz der Fernerkundung zur Überwachung der biologischen Vielfalt (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)

