

COURSE DETAIL

GEOGRAPHICAL INFORMATION SYSTEMS

Country

Germany

Host Institution

Technical University Berlin

Program(s)

Technical University Berlin

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Urban Studies Geography

UCEAP Course Number

103

UCEAP Course Suffix**UCEAP Official Title**

GEOGRAPHICAL INFORMATION SYSTEMS

UCEAP Transcript Title

GIS

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

Practical work with standard software for geographical information systems (e.g. ArcGIS Pro): architecture, components, and functionality, principles of thematic modelling (thematic layers, object classes, etc.), geographical data models and data structures, spatial and topological relations, data acquisition and digitization, methods for geospatial analysis, cartographic theory, elements and principles of cartographic visualization, spatial reference systems and map projections, map design, symbolization, topographic and thematic maps, cartographic information systems, cartographic abstraction and generalization, multimedia cartography, spatial decision support systems, multi-criteria decision analysis.

Language(s) of Instruction

English

Host Institution Course Number

61435

Host Institution Course Title

GEOGRAPHICAL INFORMATION SYSTEMS

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Institut für Landschaftsarchitektur und Umweltplanung

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