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 Course Details
https://moseskonto.tu-berlin.de/moses/modultransfersystem/bolognamodule/beschre...

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Institut für Landschaftsarchitektur und Umweltplanung

Course Last Reviewed
2022-2023

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