

Formal Details

Lecturer

T. Spiegel

Contact

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Teaching Format

Lecture, Exercises, Computer lab

Language

English

Prerequisites

Open to students from the 4th semester onwards

Type of examination

Exam + project report

Contents

- Geodesy and Geoinformatics - Geodetic Foundations, Fundamentals of GIS in the Energy Sector, Spatial Data Analysis, Network Analysis and Routing
- Energy Infrastructure Planning - Power Grids, Multimodal Gas and Heat Infrastructures, Sector Coupling and Storage
- Socio-Economic Validation - Evidence-based Socio-Economic Analysis, Socially Sustainable Transformation Planning
- System Operation and Markets - Balancing Group Management, Flexibility Marketing and Dispatch