	Advanced GIS (II): Satellite Remote Sensing and Image Analysis
Description	• Image interpretation • Sensor Analysis and satellite systems • Geometric and radiometric corrections • Radiometric enhancement • Spatial filtering • Pseudo-color compositions • Spectral signatures • Vegetation indicators • Classification analysis • Confusion tables and accuracy • Principal Component Analysis (PCA) • Change detection • Anomaly detection • Time series analysis • Interferometry
Learning Outcomes	After the course the student will be able to combine and apply various processing techniques, including classification processing, extract spectral signatures, analyze time series of satellite images, detect changes in a satellite image, and calculate vegetation indices through integration and synthesis with other existing geodata and online services.