Processing of remote sensing data

- Orthorectification of aerial and satellite based images
- Structure-from-motion algorithms in practice – Processing of UAV based images
- Processing of multispectral images (filters, pre-processing, classification methods, post-processing)
- Segmentation methods

Literature:

James S. Aber – Irene Marzolff – Johannes Ries: Small-format aerial photography: Principles, techniques and geoscience application, Elsevier, 2010

Adams and Gillespie: Remote sensing of landscapes with spectral images, Cambridge, 2006

Agisoft Photoscan user manual, 2015

Suggested literature:

Intergraph Erdas Imagine 2013 File Guide and Manual

Trimble eCognition handbook and tutorials