Module title: Urban Remote Sensing

Module coordinator: holder of the Professorship of Geodynamics and Geomaterials Research

Module offered by: Institute of Geography and Geology

ECTS: 5

Method of grading: numerical grade

Only after succ. compl. of module(s): --

Duration: 1 semester

Module level: graduate

Other prerequisites: --

Contents:

Urban space as human living space is discussed and urban spaces are characterized. The special surface properties in the settlement area as well as their representation in satellite image data are learned. The classification of settlement areas and their surrounding areas are practiced.

Intended learning outcomes:

The students learn remote sensing methods that are particularly relevant for the characterization of urban spaces. You will be able to select and use suitable image data for processing urban issues in remote sensing.

Courses:

S (2)

Module taught in: English

Method of assessment:

a) presentation (approx. 30 minutes) or b) preparing a poster (approx. 10 hours total) or c) written examination (approx. 45 minutes)

Assessment offered: Once a year, winter semester

Language of assessment: English or German (assessment will be held in English; in addition, the examiner may, where possible, decide to hold assessment in German)

Allocation of places:

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Additional information:

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Referred to in LPO I (examination regulations for teaching-degree programmes):

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Module appears in:

Master's degree (1 major) Applied Earth Observation and Geoanalysis (EAGLE) (2021)