General Information

Course name	Unmannned Aerial Vehicles	ECTS Credits	3
		Semester	winter 3 hours/week

Aims

The main learning outcomes include theoretical and practical skills in using Unmanned Aerial Vehicle (UAV). Students understand principles of UAV flying, planning flight mission, field data acquisition and basics of data processing.

By the end of the course the student will be able to:
- understand main organisational and operational issues of using UAV
- data acquisition and processing

Contents

Basic principles of UAV,
Topography mapping using UAV, legislative rules and limitations
UAV applications
Planning flight mission
Preparation and checklists (pre-flight procedures)
Flight mission
Data processing and data visualisation
Data analysis and data export

Assessment Methods and Criteria

Continuous Assessment Methods and Criteria is based on student's activity in the classes and work on assignments. The course ends with a final written examination.

Grading Scale (in %):

Grading System: The University recognises the following six degrees for the Assessment Methods and Criteria of the study results: a) A – excellent (excellent results) (numerical value 1) b) B – very good (above average results) (1.5) c) C – good (average results) (2) d) D – satisfactory (acceptable results) (2.5) e) E – sufficient (results meet the minimum criteria) (3) f) FX –failed (requires further work) (4)

Bibliography

Vosselman, G. 2010: Airborne and Terrestrial Laser Scanning. Whittles Publishing. 318 pages