

General Information			
Course name	Fieldwork in Topographic Mapping	ECTS Credits	2
		Semester	2, summer
Aims			
<p>The main learning outcomes include theoretical and practical skills in spatial data acquisition via basic geodetic technics. Students understand mapping techniques.</p> <p>By the end of the course the student will be able to:</p> <ul style="list-style-type: none"> - understand main organisational and operational issues in spatial data acquisition - propose and process procedures for collecting data within the GIS project 			
Contents			
<p>Topographic mapping Fundamentals of tachymetry Fundamentals of GNSS Fundamentals of terrestrial laser scanning Fundamentals of close-range photogrammetry</p>			
Assessment Methods and Criteria			
<p>During the 3 days student must submit the assignments. Students work on selected area and collect the spatial data using GNSS, total station and laser scanning. The main output is GIS project containing topographic data of mapped area.</p>			
<p>Grading Scale (in %):</p>			
<p>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)</p>			
Bibliography			

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SHEKHAR, S., XIONG, H. 2008: Encyclopedia of GIS. Springer.

WILSON, J. P., FOTHERINGHAM, A. S. 2008: The Handbook of Geographic Information Science. Blackwell Publishing.

