General Information			
Course name	Cartography and	ECTS	6
	Geoinformatics	Credits	
		Semester	winter
			2/2 per week
Aims			
The main learning outcomes include theoretical and practical skills in cartography. Students understand cartographic terminology, students can apply cartographic approaches and methods, projections and define the content and composition of maps			
By the end of the course the student will be able to: - understand main organisational and operational issues in the use of cartographic principles in GIS - understand cartographic coordinates systems and datum - describe and use proper methods of cartographic visualisation of spatial data - define a role of cartography in term of solving GIS project			
Contents			
Cartography – basic definition, Topographic mapping Geiod, datum, cartographic projections Global coordinate systems and projected coordinate systems Cartographic methods Composition of maps, Content of maps, map colours, map annotations and labels Cartographic generalisation, Organisational aspects of map production Digital representation of landscape Data acquisition and data processing Visualisation and cartographic presentation, geometric and attribute dimensionality of spatial data Modern trends in cartography			
Assessment Methods and Criteria			
During the semester st assessment of the sem The final assessment is after successful compl The final exam consist - a written part – to ge get B at least 84 % of t 60 % of total number of - an oral part – a stude theoretical and thema The final assessment is (2/3), while the studer	tudent has to submit the ass ninars is based on "fulfilled / s based on final exam. The st etion of the seminars. s of two parts: at the A mark studetn has to he total number of points, ( of points. ent choses two questions fro tic cartography, one questions s calculated as a weighted av at must obtain at least mark	igments of the se not fulfilled" met udent can under obtain at least 92 c at least 75 %, D m the two groups n from mathema erage of the writ E from both parts	minars. The final hod. take the final exam only % of the total points, to at least 68 %, E at least 6. (1 question from the tical cartography). ten part (1/3) and oral s of the final exam.

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

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

