

Level: master				
Course title: Contemporary trends in the development of geoinformatics				
Status: elective				
ECTS: 5				
Requirements: none				
Learning objectives The goal of this course is to examine issues related to current and future development of geoinformatics and its application with respect to the four dimensions of development: technical, commercial, research and philosophical. The course focuses on a critical review of the implementation and impact of geoinformatics in geography and other disciplines.				
Learning outcomes Students should be able to critically observe the historical development of geoinformatics and its philosophical, methodological, and technological impact on the topics within the framework of this program, as well as to perceive future trends and developments in the light of modern geoinformation and past experiences.				
Syllabus <i>Theoretical instruction and Practical instruction</i> Previous development of geoinformatics. Contemporary trends in technical development of geoinformatics. Open source initiatives. Integration of GIS and the Internet. Spatial data infrastructure on a global level. Current trends in business and commercial applying of GIS (GIS as a new business model, GIS as a tool for e-Government, GIS as a new infrastructure for e-science, GIS as an essential component of everyday life). Future market application of GIS. Philosophical implications of the application of GIS. Voluntary geographic information - MGI.				
Weekly teaching load 3 (45)				Other:
Lectures: 2	Exercises: 1	Other forms of teaching:	Student research:	