

Level: bachelor				
Course title: GIS Softwares				
Status: elective				
ECTS: 6				
Requirements: none				
Learning objectives Extremely rapid, dynamic rate of innovations in the field of geographic information systems requires constant updating on the newest and most effective applications used for geospatial data acquisition, processing, analysis and visualization. The goal of this course is to learn the basic types of GIS software packages, tools and corresponding platforms.				
Learning outcomes By comparing functionalities from different GIS programs, students acquire the necessary experience of working in various software environments. This provides the ability for further individual learning, and facilitates the process of mastering new software tools, which they will encounter in their work on solving specific problem situations.				
Syllabus <i>Theoretical instruction</i> Brief history of GIS software development; Overview of actual commercial GIS software packages; Free, open source software packages (GRASS GIS, ILWIS, Quantum GIS, DIVA GIS); WEB GIS applications; <i>Practical instruction</i> Using WEB GIS applications				
Weekly teaching load				Other:
Lectures: 2	Exercises: 1	Other forms of teaching:	Student research:	