

Study programme: Bachelor with honours in Geography		
Course title: Field work 4		
Teacher(s): dr Branko Ristanović		
Status: compulsory		
ECTS: 3		
Requirements: none		
Learning objectives		
Approaching practical training and activity on modules geoecology and informatics. Students should acquire practical work skills that they were necessary in the institutions that deal with issues of environmental protection, spatial analysis, etc.		
Learning outcomes		
Practical learning in the field of Geoecology and Geoinformation.		
Syllabus		
<i>Theoretical part:</i>		
Within the implementation of field work with students 4th year will be carried out preparatory classes where students will be familiar with the work plan, and their activities and tasks in the field or selected institutions. On completion of the preparation of teachers and students access to the implementation of practical and field instruction.		
<i>Practical part:</i>		
<i>Geoecology</i> - Monitoring of meteorology parameters in an urban environment and analysis of bio-climatic parameters (2-4 weeks at the Department of Climatology and Ecology of the University of Szeged); Monitoring and measurement of hydrological processes - groundwater levels, the appearance of internal waters on the amount of space the Pannonian Plain (2-4 weeks at the Department of Physical Geography and Geoinformatics of the University of Szeged); The processes of defining the protected natural areas and monitoring of geoecological parameters in Vojvodina (1-4 weeks at the Institute for Nature Conservation of Serbia, Novi Sad). <i>Geoinformatics</i> - The process and methods of digitization of topographic and other maps (several weeks at the Military Geographical Institute, Belgrade); Measuring instruments for obtaining the spatial data and their analysis using geoinformation software (2-4 weeks at the Department of Physical Geography and Geoinformatics of the University of Szeged).		
Literature		
Dušan, D. 1984. Hidrologija kopna. Naučna knjiga, Beograd. Davie, T. 2002. Fundamentals of hydrology. Routledge, New York. Schneider, T., Sobel, A. 2007. The Global Circulation of the Atmosphere. Princeton University Press: 400 pp. Bridgman, H.A., Oliver, J.E. 2006. The Global Climate System – Patterns, Processes and Teleconnections. Cambridge University Press: 350 pp. Pavlović, R., Čupković, T., Marković, M., (2004) Daljinska detekcija. Zavod za udžbenike i nastavna sredstva, Beograd Dragičević, S., Filipović, D. (2009): Prirodni uslovi i nepogode u planiranju i zaštiti prostora. Geografski fakultet, Beograd, 1-272 Gomasasca, M.A. Basics of Geomatics. Springer, Dordrecht. Jovanović, V., Đurđev, B., Srdić, Z. Stankov, U. (2012). Geografski informacioni sistemi. Univerzitet u Novom Sadu, Prirodno-matematički fakultet; Univerzitet Singidunum; Novi Sad; Beograd. Zieler, M. (2004): Designing Geodatabases: Case Studies in GIS Data Modeling		
Weekly teaching load 3 (45)	Other forms of teaching 3	
Methods of Teaching		
Field observations, field work		
Grading method (maximu 100 points)		