

<b>Study programme: Bachelor with honours in Geography</b>			
<b>Course title: Geomorphological and Pedological georisks</b>			
<b>Teacher(s): <a href="#">dr Biljana Basarin</a>, <a href="#">dr Mladen Jovanović</a></b>			
<b>Status: compulsory</b>			
<b>ECTS: 8</b>			
<b>Requirements: none</b>			
<b>Learning objectives</b>			
Introducing students to the basic forms and methods of identifying geo-hazards. The introduction of techniques for geomorphological and soil geo-hazard mapping.			
<b>Learning outcomes</b>			
After completion of the course the student is expected to evaluate and identify problems related to the formation of geomorphological and soil geo-hazards, their consequences and spatial measures for mitigation and sanitation.			
<b>Syllabus</b>			
<i>Theoretical part:</i>			
Defining geo-risk, the division of geo-risk's, earthquakes, volcanoes, soil erosion, landslides, groundwater flooding. Methods of identifying and mapping areas affected by various types of geo-risk's.			
<i>Practical part:</i>			
Case studies of major disasters and identification of their consequences. The application of mathematical and statistical methods in the study of geo-risk's.			
<b>Literature</b>			
Coch, N.K. (2004): Geohazards natural and human. Prentice Hall Engineering/Science/Mathematics, NY, USA.			
Bryant, E. (2005): Natural hazards. Cambridge University Press, UK.			
Derbyshire, E. (2000): Landslides in The Thick Loess Terrain Of North-West China, John Wiley & Sons, Chichester and New York .			
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.			
<b>Weekly teaching load 6(90)</b>	<b>Lectures 4</b>	<b>Exercises 2</b>	
<b>Methods of Teaching</b>			
Classes will be realized in the form of presented lectures and seminar papers. Lectures are conducted using a computer presentations, projection of films and slides, as well as field work demonstration. The exercises are performed in a form of a discussion on the selected case study where certain natural disasters occur in the environment.			
<b>Grading method (maximum 100 points)</b>			
<b>Pre-examination assignments</b>	points	<b>Final examination</b>	points
Activities during lectures	<b>0-5</b>	Written examination	
Activities during exercises	<b>0-5</b>	Oral examination	<b>30-45</b>
Colloquia	<b>20-40</b>	.....	
Seminar paper	<b>0-5</b>		