

Study Programme: PhD in Geosciences (Geography)			
Level: PhD			
Course title: Geography and global change			
Lecturer(s): dr Lazar Lazić, dr Imre Nadj			
Status: elective			
ECTS: 11			
Requirements: None			
Learning objectives			
To understand contemporary global changes and their influences on geographic space; with changes in the solar system and their influences on the Earth, as well as on climate, hydrosphere, biosphere, arable land and even in some of landforms. Students should adopt knowledge about the global changes in the world population, economy and settlement structures, the impacts of global politics and geo-strategic developments, the ratio of global change and sustainable development, the intensity of global changes, by continents, countries and regions in the horizontal and vertical direction, with the global changes in the macro-, meso- and micro-region, the impact of global change on the future of humankind.			
Learning outcomes			
Training students to understand the causes of global changes, the effects of global changes on natural geography, the social categories and regional structures, human influence on global changes, globalization of the society, global politics and geo-strategic developments, global change and sustainable development, global changes' consequences on a global, regional and local levels. Training students to develop critical thinking, with ability to predict possible developments.			
Syllabus			
<i>Theoretical part</i>			
Identification and adoption of new conceptual categories of global changes and globalization. Changes in the solar system and their effect on the Earth. Global changes in the structures and geological relief. Climate and global changes. Global changes and hydrosphere. The impact of global changes on the biosphere, atmosphere and arable land. Planetary changes in world population and the economy. The influence of planetary changes to revise settlement structures and the change in the physiognomy of space. Global politics and geo-strategic developments. Varying the intensity of global change on continents, countries and regions. Different intensity of global change in the horizontal and vertical directions. Global changes and regions. Global changes and macro-, meso- and micro-regions. Changes in living conditions globally. Global change and the future.			
<i>Practical part</i>			
Introduction to the basic tools necessary to master the course work. Analysis of specific examples of the impact of global changes on nature, society and regional structures. Learning the consequences of global changes. Analysis of specific examples of changes on a global, continental, national and local levels. Pointing to future trends by analysing current developments.			
Recommended literature			
<ol style="list-style-type: none"> 1. Houghton, J. (2006): Global Warming–The Complete Briefing. Cambridge University Press, Cambridge, UK. 2. Rose, J., - editor (1999), Past Global changes and their significance for the Future, Pergamon, London. 3. Bradshaw, M., (2000), World Regional Geography the new Global order, McGraw – Hill Companies, Boston. 4. Knox, P., Marston, S., (2001), Places and Regions in Global context, Prentice Hall, Upper Saddle River, New Jersey, 5. Мироненко, Н. С., (2004), Проблемы геоконфликтологии, Том I и II, Пресс-Соло, Москва. 6. Howard A. Bridgman, John E. Oliver (2006): The Global Climate System, Cambridge University Press, Cambridge, UK. 7. Climat-Friendly Cities, Handbook on the Tasks and Possibilities of European Cities in Relation to Climat Change. Issued within the framework of Hungarian Presidency of the Council of the European Union, Ministry of Interior, Budapest (2011). 			
Weekly teaching load	Lectures: 3(45)	Student research:	
Teaching methodology			
Group and individual approach, oral presentation, dialogue, textual method, illustrative and demonstrative methods.			
Grading method (maximal number of points 100)			
Pre-exam obligations	points	Final exam	points
Seminar paper	50	Oral exam	50