**Name of the subject: Geographical aspects of Global change**

**Teacher(s):** Lazar Lazić, Mlađen Jovanović, Daniela Arsenović

**Status of the subject:** elective

**Number of ECTS points:** 15

**Condition: None**

**Goal of the subject**

The aim of the course for students is to improve their knowledge on various aspects of the impact of global change on geographical area and human society.

**Outcome of the subject**

Upon completion of the course, students will be able to notice and understand the causes of global change; the effects of global change on nature, on social categories and on regional structures, as well as on human impact on global change. They will be able to develop critical thinking, with the ability to conclude and predict possible events.

**Content of the subject**

*Theoretical lectures*

Identification and adoption of new conceptual categories of global changes. The factors of global changes. Geological processes and global change. Climate and global change. Global changes and hydrosphere. The impact of global changes on the biosphere, atmosphere and arable land. The Nature's response to global change. Planetary change in world population and the economy. The influence of planetary change to revise settlement structures and the change in the physiognomy of space. Varying the intensity of global change on continents, countries and regions. The impact of global change on people's lives. Global change and the future.

*Practical lectures*

Introduction to the basic tools needed to master the material. Case studies - analysis of examples of the impact of global change on nature and society.

**Recommended literature**


Johnston, R.J. (2002), Geographies of Global Change: Remapping the World. Wiley-Blackwell, 540p.

Houghton, J. (2006): Global Warming – The Complete Briefing. Cambridge University Press, Cambridge, UK.

Rose, J., - editor (1999), Past Global changes and their significance for the Future, Pergamon, London.

Knox, P., Marston, S., (2001), Places and Regions in Global context, Prentice Hall, Upper Saddle River, New Jersey,

Ellis, E. (2011) 'Anthropogenic transformation of the terrestrial biosphere. Philosophical Transactions of the Royal Society A 369: 1010-35

Richardson, K, Steffen W. and Liverman D. eds. (2011) Climate Change: Risks, Challenges, Decisions. Cambridge: Cambridge University Press. 542p

Climat-Friendly Cities (2011), 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.

Vuksanović, G. (2014), Guideline on climate change adaptation and risk assessment in the Danube macro-region. National Directorate General for Disaster Management, 108 p

Migration, Environment and Climate Change (2009), International Organization for Migration, Geneve. 441p

The Demography of Adaptation to Climate Change (2013), UNFPA, 176 p

Population Dynamics and Climate Change (2009), UNFPA, 238 p.


| Number of active classes | Theory: 5 (75) | Practice: 5 (75) |
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**Methods of delivering lectures**

Oral lectures, individual consultations, seminar papers

**Evaluation of knowledge (maximum number of points 100)**

**Seminar paper** 50 points

**Oral exam** 50 points