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| <b>Study programme: Bachelor with honours in Geography Teaching, Bachelor with honours in Geography, Integrated Academic Studies (Geography and Informatics, Biology and Geography)</b>   |                    |                          |              |
| <b>Course title: Geography of Natural Diversity of Vojvodina I</b>  |                    |                          |              |
| <b>Teacher: <a href="#">dr Slobodan Marković</a></b>  |                    |                          |              |
| <b>Status:</b> elective   |                    |                          |              |
| <b>ECTS:</b> 6  |                    |                          |              |
| <b>Requirements:</b> none   |                    |                          |              |
| <b>Learning objectives</b><br>The aim of this course is that students adopt basic knowledge about the origin and evolution of the Pannonian Basin, geological, geomorphological and soil properties and processes in Vojvodina, as well as on the impact of these processes on the biogeographical diversity and life.  |                    |                          |              |
| <b>Learning outcomes</b><br>Successful completion of the course, students will be able to: explain and discuss about the formation of the Pannonian basin and its geological past; review the most important geological characteristics of Vojvodina; identify geomorphological units in Vojvodina and explain their formation; explain regularities in the formation of modern and fossil soil cover. The knowledge gained will enable to explain the biogeographical diversity, as well as the influence of natural factors on the distribution of settlements and activity of people.  |                    |                          |              |
| <b>Syllabus</b><br><i>Theoretical instruction</i><br>Formation of Pannonian Basin; Geological characteristics of the area; Geomorphological characteristics of the area<br>Recent geomorphological processes; Diversity of soil cover; Fossil soil cover; Geoheritage of Vojvodina; The impact of natural diversity on the living world; The impact of natural diversity in people's lives<br><br><i>Practical instruction</i><br>visiting key geological sites, sites with active geomorphological processes, the most important geological and paleontological collections.   |                    |                          |              |
| <b>Literature</b><br>Karamata S. (ed) (1991): Geodynamic Evolution of the Pannonian Basin. Serbian Academy of Science and Arts, 1-389<br>Dimitrijević, M.D. (1997): Geology of Yugoslavia. Geoinstitute, Belgrade, 1-187.<br>Marović, M., Toljić, M., Rundić, Lj., Milivojević, J. 2007. Nealpine Tectonics of Serbia. Serbian Geological Society, Belgrade, 87 pp.<br>The Geology of Central Europe. Vol. 1 (2008):The Geological Society, London, 1-748<br>The Geology of Central Europe. Vol. 2 (2008):The Geological Society, London, 749-1449<br>Cloetingh, S., Maženco, L., Bada, G., Dinu, C., Mocanu, V. (2005) The evolution of the Carpathians–Pannonian system: Interaction between neotectonics, deep structure, polyphase orogeny and sedimentary basins in a source to sink natural laboratory. Tectonophysics 410, 1–14.<br>Cloetingh, S., Ziegler, P.A., Beekman, F., Andriessen, P.A.M., Matenco, L., Bada, G., Garcia-Castellanos, D., Hardebol, N., Dežes, B., Sokoutis, D. (2005) Lithospheric memory, state of stress and rheology: neotectonic controls on Europe's intraplate continental topography. Quaternary Science Reviews 24, 241–304<br>Cloetingh, S., Maženco, L., Bada, G., Dinu, C., Mocanu, V. (2005) The evolution of the Carpathians–Pannonian system: Interaction between neotectonics, deep structure, polyphase orogeny and sedimentary basins in a source to sink natural laboratory. Tectonophysics 410, 1–14.<br>Gábor Bada, Frank Horváth, Péter Dövényi, Péter Szafián, Gábor Windhoffer, Sierd Cloetingh (2007): Present-day stress field and tectonic inversion in the Pannonian basin. Global and Planetary Change 58, 165–180<br>Lowe, J.J., Walker, M.J.C. (1997): Reconstructing Quaternary Environments. Routledge, 1-472 |                    |                          |              |
| <b>Weekly teaching load: 4(60)</b>  | <b>Lectures: 3</b> | <b>Exercises: 1</b>      |              |
| <b>Methods of Teaching</b><br>Фронтална настава путем мултимедијалних презентација, картографски метод, метод разговора.  |                    |                          |              |
| <b>Grading method (maximu 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>         |                          |              |

