**The TOPIC and REQUIREMENTS of BIOGEOGRAPHY (BBI1303)**

|  |  |  |
| --- | --- | --- |
| **Week** | **Subject** | **Comments** |
| **1** | The development of biogeography, its place in the biological sciences, its purpose, its tasks, its brief history |  |
| **2** | Research methods, time measurement techniques - relative time measurement, climatic and pollen tests, absolute time measurement, rhythmic processes, determining the time of rock formation based on radioactive isotopes, geomagnetic methods.  Fossilization - examination of the fossils of organisms with a solid part, subfossilization, true fossilization. |  |
| **3** | Ecological biogeography, distribution patterns. |  |
| **4** | Biogeographic division, boundary issues |  |
| **5** | Biodiversity patterns, diversity gradients |  |
| **6** | Methods of speciation |  |
| **7** | Dispersal - colonization  Adaptation, adaptive radiation  Extinction |  |
| **8** | Pleistocene events, extinctions.  Paleobiogeographic reconstruction |  |
| **9** | Migration of Continents and its biological evidence |  |
| **10** | Plant Geography I |  |
| **11** | Plant Geography II |  |
| **12** | Plant Geography III |  |
| **13** | Global environmental problems. The causes and natural and social consequences of climate change |  |
| **14** | Invesive organisms |  |

**Requirements**

|  |  |
| --- | --- |
| Participation of the seminars: | Obligatory |
| Semester requirements: | In the framework of the subject, we discuss the individual topics in a seminar format based on the active participation of the students. |
| Credit: | 2 |
| Marks | The exam is oral, based on the topic and bibliography published in advance.  0-49 %: 1  50-59 %: 2  60-79 %: 3  80-89 %: 4  90-100 %: 5 |
| Sources: | Biogeography: An Ecological and Evolutionary Approach 9th Edition  Biogeography: An Ecological and Evolutionary Approach 9th Edition  Biogeography: An Ecological and Evolutionary Approach 9th Edition  Biogeography: An Ecological and Evolutionary Approach 9th Edition  Biogeography: An Ecological and Evolutionary Approach 9th Edition  C. Barry Cox, Peter D. Moore, Richard J. Ladle: Biogeography: An Ecological and Evolutionary Approach 9th EditionThe students have at their disposal the electronic form of the ppt presentations of the lectures and exercises (in pdf format), which they receive at the beginning of the course. |
| WEB Sources: |  |