



Syllabus

Term: 2026/27/1 **Subject name:** Biogeography **Subject code:** ONFOL1-1301

Unit (Unit code) Institute of Geography and Earth Sciences (FOLDRAJZ)

Lecturer responsible for the course: Dr. CZIGÁNY Szabolcs

Requirement: Exam

Classes per week : 2/0/0/0

Classes per term: 26/0/0/0

Purpose of education:

Objective of the course: The general goal of the course is to provide an insight into the complex zonal knowledge on climate-vegetation-fauna-soil relations, which may generate a sound foundation for the subsequent global geographical studies. Students will also be expected to understand the basic models and nexus of biogeography. Students who successfully complete the course will have an understanding of the methodological and theoretical basis of biogeography. On successful completion of the course students are expected to be able to understand the basic processes biogeography and ecology. They also will be able to collect relevant data to analyze and identify the role of ecosystems, biomes and biogenic factors on global systems, including human society and economy. They also will be able to critically evaluate and judge the problems and issues related to populations and communities. They will also comprehend independently ecological and supraindividual problems of the members of any ecosystem and present that to decision makers and stakeholders. They will be able to assess and comprehend data and literature related to biogeography and ecosystem analysis.

Contents:

Week 1. Introduction to Biogeography Week 2. Biodiversity on Earth. Ecological tolerance. Week 3. Floral and faunal realms Week 4. The concept of climatic, pedological and vegetational zonation. Biomes as complex communities. Week 5. The humid tropical biome. Week 6. Midterm exam Week 7. The Savanna Biome Week 8. The types of deserts: tropical, orographical and coastal deserts Week 9. Biomes of the temperate zone 1: flora and fauna of the subtropical zones. Week 10. Biomes of the temperate zone 1: flora and fauna of the maritime, continental and subpolar regions Week 11. Intrazonal biomes: flora and fauna of wetlands and mountains Week 12. Life in oceans and seas. Exam period: Final exam. Exact date to be discussed.

System of examining and valuation:

Grading policy One midterm and one final exam, weighed as 40 and 60%, respectively. The final exam covers all topics delivered during the semester. Includes identification of 5 species. <50% 1 50 to 65% 2 65 to 75% 3 75 to 85% 4 85%< 5

Bibliography:

Macdonald, G. M. 2003. Biogeography- Space, time and life. John Wiley and Sons Inc. New York, NY Brown, J. H. and Lomolino, M. V. 1998. Biogeography. Sinauer Associates, Sunderland, MA



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