Study Programme : BSc in Ecology

Degree level: Bachelor degree

Course Title: Biogeography

Professor: Goran Anačkov, Olivera Bjelić-Čabrilo

Required/Elective Course: Required Course

Number of ECTS: 6

Prerequisites: Passed exams "Systematics of Vascular Plants" and "Zoology of Chordates"

Course Objective: Introduction to basic concepts and methods in biogeography. Knowing the rules of the distribution of plant and animal species, as well as communities living in different phyto and zoogeographic areas, with special emphasis on the territory of Serbia.

Course Outcome:

Acquired basic knowledge about the areal and horology of species and communities on Earth. Getting to know the biogeographic characteristics of Serbia.

Course Content:

Theoretical part

Areal. Features of the areal (mapping, typologies, dimensions, forms, dynamic of area), distribution centres and the origin of species. Concept of endemic, relict, cosmopolit oranisims, theory and examples of vicariism, Island and mountain biogeography. Horology, the basic research methods in biogography. Historical biogeography. Ecological biogeography. Phytogeographical divison of the world. Floristic area. Phytogeography of Serbia and the Balkan Peninsula. Fauna (concept, structure, analysis, genesis) and zoogeographical division of land. Zoogeographical division and zonobiomes in Serbia and Montenegro, with tipical representatives of the tetrapod vertebrates.

Practical part

The basic methods of mapping, directly and indirectly mapping in floristic research. Elements of the flora. Floristic statistics. Endemic, relicts, diversity of flora and vegetation. Characteristic representatives of vertebrates in some zoogeographic areas.

Reading List:

1. Janković, M. (1985): Fitogeografija. Prirodno-matematički fakultet Univerziteta u Beogradu, Beograd.
2. Jovanović, B.: Biogeografija sa osnovama pedologije i zoologije, Skripta za studente Geografskog fakulteta, Beograd.
3. Lopatin, I.K.(1995): Zoogeografija, prevod sa ruskog Snežana Pešić, Zim-Prom, Kragujevac.
4. Lopatin, I.K., Matvejev, S. (1995): Kratka zoogeografija sa osnovama biogeografije i ekologije bioma Balkanskog poluostrva, 1. knjiga, Ljubljana.
5. Magdefrau, K., Ehrendorfer, F. (1978): Sistematika evolucija i geobotanika. Školska knjiga, Zagreb.

Total hours:			5	
Lectures: 3	Practicals: 2	Other:	Student research work:	

Methods of instruction:

Theoretical lectures, laboratory exercises, video screenings.

Assessment (maximum number of points 100)

Requirements	**points**	**Final exam**	**points**
Active participation in lectures	5	Practical exam	45
Active participation in practicals		Oral exam	20
Test(s) or	15		
Pre-exam testing	15		

Remark: This course is the basic for carrying out the course Field trip III