

Study Program: Biology			
Type and level of studies: Bachelor studies			
Course name: Phytoecology and phytogeography			
Lecturer: Krivošej Đ. Zoran			
Status: Compulsory			
ECTS: 6			
Attendance Prerequisites: Systematics and phylogeny of higher plants			
Course aims Introducing students to the ecosystem parts and functioning and the mutual influence of ecological factors on both plant populations and phytocenoses. Introduction to phytoecological disciplines, primarily autecology and synecology; introduction to the concepts of phytocenology and types of vegetation on Earth; floristic division of the world, with particular reference to the phytogeographical position of the Balkan Peninsula, former Yugoslavia and Serbia. Understanding historical phytogeography and its significance for understanding the current distribution of plants on Earth.			
Course outcome Understanding the basic ecological concepts, factors, plant distribution and plant communities, types of vegetation on Earth.			
Course content <i>Theoretical part:</i> Introduction to phytoecology. Introduction to the concept of phytoecology: history, subject of study, and correlation with other biological and ecological disciplines. Environmental factors. Population ecology. Basic terms of phytocenology; vegetation zoning; terrestrial and aquatic vegetation; vegetation of the former Yugoslavia, with particular reference to the vegetation of Serbia. Flora and the floristic division of the world. Historical phytogeography. <i>Practical part:</i> Climate elements. Climate diagram. The soil as a combination of ecological factors. Classification of plants based on water requirements (Xerophytes, Mesophytes, Hygrophytes and Hydrophytes). Plant population ecology. Phytocoenology- phytocoenological image. Phytocoenological tables. A mandatory visit to Kopaonik weather station and introducing to weather elements measuring.			
Literature 1. Јанковић, М. М. (1990): Фитоџекологија. Научна књига. Београд; 2. Стевановић, Б., Јанковић, М.М. (2001): Екологија биљака. ННК Интернационал. Београд.			
Number of active classes			Other classes:
Lectures: 2	Practical classes: 2	Other forms of teaching: 0	
Teaching methods Theoretical classes, practical classes (laboratory exercises), mandatory fieldwork, consulting.			
Assessment (maximum 100 points)			
Course assignments	points	Final exam	points
activity during lectures	15	written exam	
practical classes	15	oral exam	70
Term test/s			
Total	30		70