Study Programme : BSc in Ecology

Degree level: Bachelor degree

Course Title: Systematics of higher plants

Professor: Ružica Igić, PhD, Dragana Vukov, PhD

Required Course

Number of ECTS: 7

Prerequisites: Passed exams in Plant Morphology and Field Trip I

Course Objective: Introduction to the taxonomic categories of most important plant groups, their mutual relations, and general features of their extinct and recent representatives. Introduction to the endemic, endangered, protected, and medicinal plants in Serbian flora, and to the ecological significance of specific plant groups.

Course Outcome: To gain fundamental knowledge in the area of Plant Systematics. To form the base for successful further learning in other Botanical courses.

Course Content:

Theoretical part Species, Taxa, nomenclature. General characteristics of higher plants. Division Rhyniophyta, Zosterophyllophyta. Division Bryophyta, Lycopodiophyta. Division Equisetophyta, Polypodiophyta. Division Pinophyta. Division Magnoliophyta. Significance of some plant groups and their roles in the ecosystem dynamics and structure.

Practical part Introduction to the basic characteristics of some systematic categories on the species example.

Reading List:

1. Igić, R., Vukov, D. (2000): Sistematika viših biljaka, Praktikum za studente biologije i ekologije sa zaštitom životne sredine. Univerzitet u Novom Sadu, Novi Sad.
2. Magdefrau, K., Ehrendorfer, F. (1978): Sistematika evolucija i geobotanika. Školska knjiga, Zagreb.
3. Tatić, B., Blečić, V. (1984): Sistematika i filogenija viših biljaka. Zavod za udžbenike i nastavna sredstva, Beograd.

Total hours:				
Lectures: 3	Practicals: 4	Other:	Student research work:	

Methods of instruction:

Assessment (maximum number of points 100)

Requirements	**points**	**Final exam**	**points**
Active participation in lectures		Practical exam	20
Active participation in practicals		Oral exam	50
Test(s) or	30		
Pre-exam testing			