

Study Programme : BSc in Biology Teaching				
Degree level: Bachelor degree				
Course Title: Systematics of vascular plants				
Professor: Ružica Igić, PhD, Dragana Vukov, PhD				
Required Course				
Number of ECTS: 7				
Prerequisites: Passed exams in Plant Anatomy and 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: <i>Theoretical part</i> Species, Taxa, nomenclature. General characteristics of higher plants. Division Rhyniophyta, Zosterophyllophyta. Division Bryophyta, Lycopodiophyta. Division Equisetophyta, Polypodiophyta. Division Pinophyta. Division Magnoliophyta. Characteristics of dicotyledones and monocotyledones. Significance of some plant groups and their role in nature. <i>Practical part</i> Introduction to the basic characteristics of some systematic categories on the species example.				
Reading List: <ol style="list-style-type: none"> 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. 4. Takhtajan, A. (1997): Diversity and Classification of Flowering Plants. Columbia University Press, New York. 				
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				