

NAME OF THE COURSE		Diversity of Croatian Flora				
Code	PMB263	Year of study	3			
Course teacher	Higher lecturer Juraj Kamenjarin, PhD	Credits (ECTS)	2			
Associate teachers		Type of instruction (number of hours)	L	S	E	F
			30			
Status of the course	Elective	Percentage of application of e-learning	10			
COURSE DESCRIPTION						
Course objectives	Acquiring knowledge about the diversity of Croatian flora and applying floristic data with the vulnerability of Croatian flora and methods of assessment, economic potentials of Croatian flora, phenomenon of endemism and its important representatives, Croatian non-indigenous flora, basic terminology, the main invasive representatives, methods of research flora of an area, methods of analysis of flora and training for practical work on the study of flora with writing work, surveys and studies					
Course enrolment requirements and entry competences required for the course	No conditions					
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	<p>Student will gain knowledge of:</p> <ol style="list-style-type: none"> List the main features of the diversity of Croatian flora Use of the international botanical standards Define biodiversity, name and describe its main components Collect data on the flora of the selected area. Review and evaluate the flora of an area. Recognize life forms and methods of propagation of plants as well as the circumstances in which plant species are endemic Evaluate on basis of scientific research and scientific data how negative changes in environmental conditions affect the quality of the environment Explain the basic concepts of risk assessment flora. Explain the concepts of endemism, define national endemism and give examples Explain the phenomenon of invasiveness, define it at the national level and give examples Describe and explain the economic potential of the national flora and give examples Use the method of mapping the flora and handle measures the number of population 					
Course content broken down in	Lectures:					

detail by weekly class schedule (syllabus)	<ol style="list-style-type: none"> 1. Introduction to the Croatian flora, history of research, the current knowledge, the peculiarities of the area. (4 hours) 2. Spatial distribution of data, state of research, determination. (4 hours) 3. Methods of addition of spatial information on flora, sampling, storage and analysis. The total floristic diversity, diversity indices, comparison with other areas of Europe. 4. Endemism in the flora of Croatia, types of endemism, spatial distribution, centers of endemism, comparison with other areas of Europe and the world, the most important representatives. 5. The economic potential of Croatian flora, elements of economic botany, frequency species in some standard grades of economic botany. 6. Croatian non-indigenous flora Croatian, distribution and monitoring. Croatian endangered flora Croatian, evaluation methods, red books, endangered species, habitats, causes, measures of protection. (4 hours) 7. Species of rare and endangered habitats. Making, processing and storage of herbarium collections, basics nomenclature. (4 hours) 8. Collecting floristic data in the field, procedures of geocoding. Analysis of flora of specific area, living forms, floral elements, map diversity and the state of research. Flora Croatica Database, purpose and use. (6 hours) 					
Format of instruction	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> <i>on line</i> in entirety <input type="checkbox"/> partial e-learning <input type="checkbox"/> field work		<input type="checkbox"/> independent assignments <input type="checkbox"/> multimedia <input type="checkbox"/> laboratory <input type="checkbox"/> work with mentor <input type="checkbox"/> (other)			
Student responsibilities						
Screening student work (<i>name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course</i>)	Class attendance	2,0	Research		Practical training	
	Experimental work		Report		(Other)	
	Essay		Seminar essay		(Other)	
	Tests		Oral exam		(Other)	
	Written exam		Project		(Other)	
Grading and evaluating student work in class and at the final exam	Students take an oral exam					
Required literature (available in the	Title				Number of copies in the library	Availability via other media

library and via other media)	Kamenjarin J. (2015): Raznolikost flore Hrvatske. Interna skripta. PMF. Split.		Available at teacher in print and in electronic form
	Kamenjarin J. (2015): Raznolikost flore Hrvatske. Prezentacije predavanja PMF. Split.		Available at teacher in electronic form
	Nikolić T. (1996): Herbarijski priručnik, Školska knjiga, Zagreb	2	
Optional literature (at the time of submission of study programme proposal)	Nikolić T., Topić J. ur. (2005): Crvena knjiga vaskularne flore Hrvatske. Ministarstvo kulture, Zagreb. Nikolić T. (2006): Flora. Priručnik za inventarizaciju i praćenje stanja. Državni zavod za zaštitu prirode, Zagreb.		
Quality assurance methods that ensure the acquisition of exit competences	Active participation during classes, evaluation of subjects and teachers, consultations		
Other (as the proposer wishes to add)			