

NAME OF THE COURSE		Field Training in Systematic Botany					
Code	PMB040	Year of study	3				
Course teacher	Higher lecturer Juraj Kamenjarin, PhD	Credits (ECTS)	0,5				
Associate teachers		Type of instruction (number of hours)	L	S	E	F	
						15	
Status of the course	Mandatory	Percentage of application of e-learning	10				
COURSE DESCRIPTION							
Course objectives	The main objective is to acquire knowledge on the basis of which students can recognize different species that live in Croatia. Also, the goal is to identify and understand the biology of different species typical of the coastal part of Croatia and compare the flora of the coastal part with the mountain and lowland Croatia. From the collected species make a collection.						
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 be able to:</p> <ol style="list-style-type: none"> <li>1. Use the material and methods of collecting plant material on the field</li> <li>2. Use keys to identify plants</li> <li>3. Collect herbarium collection of 150 samples</li> <li>4. Identify and differentiate the most important families</li> <li>5. Classify species based on the similarity / dissimilarity</li> <li>6. Explore the structure of flora of certain families on a smaller area</li> <li>7. Show presentation composition flora certain families on a smaller area</li> </ol>						
Course content broken down in detail by weekly class schedule (syllabus)	<p>Lectures:</p> <ol style="list-style-type: none"> <li>1. Becoming acquainted with species found and collected in specified areas, getting to know the new material.</li> <li>2. Comparison of morphological characteristics with the environmental conditions.</li> <li>3. Collecting herbarium collections.</li> <li>4. Classification of species due to the similarity / dissimilarity.</li> <li>5. Studying the structure of flora on a smaller area.</li> </ol>						
Format of instruction	<input 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 checked="" 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	Mandatory attendance of field work						
Screening student work (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)	Class attendance	0,5	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			
Required literature (available in the library and via other media)	<b>Title</b>	<b>Number of copies in the library</b>	<b>Availability via other media</b>
	Nikolić, T. (2013): Sistematska botanika - raznolikost i evolucija biljnog svijeta. Alfa d.d., 1-882. Zagreb (udžbenik).	2	
	Nikolić T. (2013): Praktikum sistematske botanike - Raznolikost i evolucija biljnog svijeta. Alfa, Zagreb, 1 - 256.	2	
	Nikolić T. ed. (2007-): Botanički praktikum OnLine. (hypertext dokument <a href="http://www.botanic.hr/praktikum/home.htm">http://www.botanic.hr/praktikum/home.htm</a> ), PMF, Zagreb.		on-line
	Kamenjarin J. (2021): Systematic Botany – power point lectures		Avaiable at teacher in electronic form
Optional literature (at the time of submission of study programme proposal)	Nikolić T. (2017): Morfologija biljaka. Razvoj, građa I uloga biljnih tkiva, organa I organskih sustava, Alfa d. d., 1 -569, Zagreb (udžbenik)		
	Šugar I. (1990): Latinsko-hrvatski i hrvatsko-latinski botanički leksikon. JAZU, Zagreb.		
	Nikolić, T. (2006): Flora. Priručnik za inventarizaciju i praćenje stanja. Državni zavod za zaštitu prirode, Zagreb.		
	Nikolić T. (1996): Herbarijski priručnik. Školska knjiga, Zagreb		
Quality assurance methods that ensure the acquisition of exit competences	Active participation in course, presonal consultation		
Other (as the proposer wishes to add)			