

NAME OF THE COURSE		FIELD TRAINING IN ALGAE AND FUNGI				
Code	PMB030	Year of study	2			
Course teacher	Associate Professor Ana Maravić, 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	20%			
COURSE DESCRIPTION						
Course objectives	To teach students the practical skills and application of different methods of sampling, determination and herbarizing algae from different biotope; to introduce living communities of algae and determine their horizontal and vertical distribution of the ecological systems, to introduce students to the basic characteristics of the most important groups of algae and teach them the methodology of collecting and herbarizing, determining algae application keys to identify and making herbarium.					
Course enrolment requirements and entry competences required for the course						
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	<p>Students will be able to :</p> <ol style="list-style-type: none"> <li>1. Recognise the environmental community of algae.</li> <li>2. Interpretate horizontal and vertical distribution of algae in the ecosystems</li> <li>3. Apply modern strategies and methods of studying algal community.</li> <li>4. Use the appropriate skills sampling, determination and herbarizirang algae from different biotope.</li> <li>5. Develop skills microscopic analysis of cellular material algae.</li> <li>6. Develop permanent preparations of algae.</li> <li>7. Identify and differentiate algal families and species.</li> <li>8. Develop skills sampling, determination and making herbarium.</li> <li>9. Identify protected and endangered algal species.</li> <li>10. Use technical literature and standard keys for determination of algae.</li> </ol>					
Course content broken down in detail by weekly class schedule (syllabus)	<p>Field work:</p> <ol style="list-style-type: none"> <li>1. Identify and differentiate algae from fresh waters and the sea waters.</li> <li>2. Determination of the basic abiotic factors that influence development of algae</li> <li>3. Sampling algae from different types of habitats (lakes, rivers, wetlands, sea)</li> <li>4. Preservation and taxonomic determination of algae.</li> <li>5. Vertical and horizontal distribution of algae in the ecosystems</li> <li>6. Algae as indicators of water quality.</li> <li>7. Analysis and determination of algae using the keys to identify and collected materials.</li> <li>8. Review of relict, endemic, rare and protected algal species in Croatian flora</li> </ol>					
Format of instruction	<input type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input checked="" 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 checked="" type="checkbox"/> laboratory <input checked="" type="checkbox"/> work with mentor <input type="checkbox"/> (other)			
Student responsibilities	Regular attendance and active participation in field work, students are required to make herbarium					

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		Research		Practical training	
	Experimental work	0.25	Report	0.25	(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>
	Riedl, R. (ed), 2011: Fauna und Flora des Mittelmeeres, Verlag Paul Parey, Hamburg, Berlin				2	
Optional literature (at the time of submission of study programme proposal)						
Quality assurance methods that ensure the acquisition of exit competences	Poll after completion of field work; questioning during class, and the possibility of giving verbal or written comments after field work.					
Other (as the proposer wishes to add)						