

NAME OF THE COURSE		Ecology of Subterranean Habitats					
Code	PPB265	Year of study	3				
Course teacher	Associate Professor Biljana Apostolska, PhD	Credits (ECTS)	2				
Associate teachers		Type of instruction (number of hours)	L	S	E	F	
			15	15			
Status of the course	Elective	Percentage of application of e-learning	10%				
COURSE DESCRIPTION							
Course objectives	To know the main types of underground habitats together with abiotic and biotic parameters and understand and recognise the endemic and relict species. The special accent is on the regulative for the protection in Croatia.						
Course enrolment requirements and entry competences required for the course	There are no entry competencies						
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	Students will be able to: 1. to recognise the main types of underground habitats 2. to recognise the main karst biotopes 3. to explain abiotic and biotic parameters and their influence on biota of underground biotopes 4. to know endemic and relict species 5. to understand the regulative in protection of the Dinaric Karst						
Course content broken down in detail by weekly class schedule (syllabus)	Lectures/Seminars: 1. Dinaric karst and distribution in Croatia and around the world - 2 hours + 2 hours of seminar work 2. The main types of karstic biotopes - 2 hours + 2 hours of seminar work 3. Abiotic and biotic parameters - 2 hours + 2 hours of seminar work 4. The division of the underground habitats in a groups - 2 hours + 2 hours of seminar work 5. The underground fauna - 2 hours + 2 hours of seminar work 6. Endemic and relict species - 2 hours + 2 hours of seminar work 7. Speleology and biospeleology - 2 hours + 2 hours of seminar work 8. Protection - 1 hour + 1 hour of seminar work						
Format of instruction	<input checked="" type="checkbox"/> lectures <input checked="" 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	To participate in full						
Screening student work (name the proportion of ECTS credits for each)	Class attendance		Research		Practical training		
	Experimental work		Report		(Other)		

<i>activity so that the total number of ECTS credits is equal to the ECTS value of the course)</i>	Essay		Seminar essay	1,0	(Other)	
	Tests		Oral exam	1,0	(Other)	
	Written exam		Project		(Other)	
Grading and evaluating student work in class and at the final exam	Oral exam and seminar work.					
Required literature (available in the library and via other media)	Title				Number of copies in the library	Availability via other media
	David C. Culver and Tanja Pipan (2009): The Biology of Caves and Other Subterranean Habitats (Biology of Habitats Series)					
	David C. Culver and Tanja Pipan (2014): Shallow Subterranean Habitats: Ecology, Evolution, and Conservation					
	John Gunn (2003) Encyclopedia of Caves and Karst Science					
	William B. White and David C. Culver (2012) Encyclopedia of Caves, Second Edition					
	Crvene knjige Republike Hrvatske , Državni Zavod za zaštitu prirode					
	Priručnik za određivanje podzemnih staništa u Hrvatskoj prema Direktivi o staništima EU, Državni Zavod za zaštitu prirode					
Optional literature (at the time of submission of study programme proposal)	Scientific papers and editions available online					
Quality assurance methods that ensure the acquisition of exit competences	Students questionnaires, consultations and other types of evaluation of professor					
Other (as the proposer wishes to add)						