NAME OF THE COURSE Teaching biology outside the classroom									
Code	PDB268		Year of study	2 2					
Course teacher		ate Professor Ruščić, PhD	Credits (ECTS)	2					
Associate teachers	Elective		Type of instruction (number of hours)	L 15	S	E 15	F		
			Percentage of	10	<u> </u>	13	<u> </u>		
Status of the course	LICCTIVE	,	application of e-learning						
COURSE DESCRIPTION									
Course objectives	To explain the tasks of extra-curricular teaching, the specifics of extra-curricular teaching, to analyze the specifics of the teaching strategy in nature teaching, to describe the significance and types of curriculum excursions								
Course enrolment requirements and entry competences required for the course	Course: Biology Education I and Biology Education II. Incoming Competences: basic methodical knowledge, professional competences from biology								
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	Student will be able to: 1. Choose a space for learning the contents in the immediate reality, 2. Choose the form of extra-class teaching according to the possibilities and content of the topic, 3. to anticipate the knowledge and skills that students need to have in order to be able to successfully learn by discovering in nature or the environment, 4. Develop a curriculum for extracurricular classes in accordance with the plan and program, 5. Select appropriate methods of work, 6. prepare appropriate teaching aids and aids for these students, 7. Evaluate the work of students outside the classroom, 8. Critically reflect on their own work and the success of extra-curricular classes								
Course content broken down in detail by weekly class schedule (syllabus)	Lectures: / Exercises: 1. Exercise classes. Didactic specifics and types of extra-class teaching. Sources of Knowledge in Immediate Real Life 2. The special features of the teaching strategy in nature teaching (environment). Types of teaching excursions. Subjective and objective factors of excursion teaching and their activity. 3. Stages in preparing and performing excursions. Evaluation of extracurricular activities. Administrative, Educational and Security Lecturers Teacher 4. Prepare extra-curricular classes for a school garden or park. Prepare one- hour or two-hour extra-class classes. Preparing a half-day or a day-time extra- curriculum. Preparing multi-day non-teaching classes. 5. Preparation, implementation and evaluation of two-hour extra-curricular teaching in a nearby park or zoo. 6. Show lesson with colleagues and colleagues. Preparation, implementation and evaluation of two-hour extra-curricular teaching in the environment of elementary or high school. 7. Work in co-operation with the mentor and conduct teaching with the students. 8. Evaluation of the work of the students, their own work and the success of the extra-curriculum.								

Format of instruction	⊠lectures ⊠seminars and □exercises □on linein enti □partial e-lear □field work	rety	⊠independent assignments ⊠multimedia ⊠laboratory □work with mentor □ (other)					
Studentresponsibiliti es	Attendance at least 70%. Include two colloquia or a written exam							
Screening student work(name the proportion of ECTS credits for	Class attendance	0,5	Research		Practical training		0,5	
	Experimental work		Report		(Other)			
eachactivity so that the total number of	Essay		Seminar essay	0,5	(Other)			
ECTS credits is equal to the ECTS	Tests		Oral exam	0,5	(Other)			
value of the course)	Written exam		Project		(Other)			
Grading and evaluating student work in class and at the final exam	Attendance at least 70%. Evaluation of the oral exam							
		Number of copies in the library	Availability via other media					
	De Zan, I (200° society. Školsk Borić, E., Peko about nature fro Split. HPKZ Bra	2						
	Klippert, H (200 team. Educa, Z Kranjčev, B (19			web				
Required literature	research work.							
(available in the library and via other media)	Grubić, M., 196							
	biology. Pedagogical Literary Choir, Zagreb Horvat, I. (1949) Science on Plant Communities.							
	The Croatian Publishing House, Zagreb							
	Ruščić, M., Ant							
	environment. Handbook for Secondary Vocational							
	Teachers. Školska knjiga, Zagreb. Nikolić, T., Ruščić, M and others (2008) Flora of the							
	1 1							
	Adriatic coast and 250 islands of the most common species. Školska knjiga, Zagreb.							
	Terhart, E., (2001) Teaching and Learning Methods.							
	Educa, Zagreb.							
	Riedl, R (1963)							
	Paul Parey. Hamburg and Berlin.							
Optional literature	Marzano, RJ, Pickering, DJ, Pollock, JE, 2006. Teaching Strategies: How To Nine Most Successful Teaching Strategies Translation T. Jakovčević, EDUC							
(at the time of	INITIE IVIOSE SUC	252101 16	acring Strate	gies mansialio	JII I. Jakovcević	<i>-</i> , ⊏	DUCA,	

submission of study programme proposal)	Zagreb Sampson, V., Schleigh S., 2012. Scientific Argumentation in Biology: , NSTA Brown, CR 1995. The effective teaching of biology. Longman Publishing, New York Koba S., Tweed A. 2009.Hard-to-teach biology concepts: a framework for deepening student understanding. NSTA press. Arlington, Virginia, USA.
Quality assurance methods that ensure the acquisition of exit competences	Active participation in teaching, evaluation of subjects and teachers, consultations
Other (as the proposer wishes to add)	