Code PMB250 Year of study 2  Course teacher Associate Professor Mirko Ruščić, PhD Type of instruction (number of hours)  Status of the course Mandatory Percentage of application of e-learning  COURSE DESCRIPTION  Prepare students for independent preparation and performance of practical teaching in biology teaching and apply theoretical biology knowledge in the preparation and implementation of experiments in biology teaching of theoretical biological contents in experimental teaching practice.  Course enrolment Course taken: Biology Education I. Input Competences: basic biological knowledge.	Course teacher Associate teachers Status of the course
Associate teachers    Mirko Ruščić, PhD   Credits (ECTS)	Associate teachers Status of the course
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Course objectives    Application of e-learning	
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requirements and entry competences required for the course	equirements and entry competences equired for the
Student will be able to: 1. Develop and devise a work sheet for guiding and evaluating practical work (experiments), 2. Prepare and conduct demonstration and student experiments. 3. To propose experiments and practical papers that will make conclusions base on observations and theoretical knowledge. 4. Demonstrate the skill of performing the experiment. 5. Analyze the course and results of the experiment with an emphasis on causal relationships. 6. Design and organize field teaching in Nature and Biology for Biological Reseator 7. Practically prepare for teaching with the choice of practical work and demonstration experiments in the form of display exercises according to topics within the curriculum. 8. Nature and Biology of Primary and Secondary Schools. 9. Practically prepare for teaching with the development of required teaching ski Material prerequisites for teaching biology; Demonstration and Practical Works; multimedia in teaching; biological material for teaching; -high preparation for the lesson; -close students and worksheets; - Written exam tasks; basic methodolog tips.	expected at the evel of the course 4 to 10 learning
Course content broken down in detail by weekly class schedule (syllabus)  Lectures: / Exercises:  1. Identification of nature from cell to multiple organism (8 hours).  Flower Plant (9 hrs).  3. Living beings and habitat and living conditions (10 hours).  4. Variety of Living World and Evolutionary Development (8 hours).  5. The structure and function of the human body (10 hours).	oroken down in letail by weekly elass schedule
□ lectures ⊠independent assignments	

Format of instruction	□seminars and ⊠exercises □ on linein enti □ partial e-lear ⊠field work	entor					
Studentresponsibiliti es	Attending classes, meeting individual assignments and tasks in the group						
Screening student work(name the proportion of ECTS credits for eachactivity so that the total number of ECTS credits is equal to the ECTS value of the course)	Class attendance Experimental	0,5	Research		Practical training		0,5
	work Essay	1	Report Seminar essay		(Other)		
	Tests		Oral exam		(Other)		
	Written exam		Project		(Other)		
Grading and evaluating student work in class and at the final exam	Preparation, implementation and analysis of the experiments - 100%						
Required literature (available in the library and via other media)	Title				Number of copies in the library	Availability via other media	
	Biology, workb the Ministry of Zagreb.	1					
	Antolić, M., Ru with a textboo knjiga, Zagreb	1					
	Bačić, T., 2003. Morphology and anatomy of plants. University of Josip Juraj Stosmajera in Osijek, Faculty of Pedagogy Osijek.				1		
	Van Cleave, J., 1990. Janice VanCleave's Biology For Every Kid: 101 Easy Experiments That Really Work Paperback				1		
	Deffer, D. I Ziegler, H., 1987. Botanika: morfologija i anatomija. Školska knjiga,				1		
	Thompson, B.,R.,Thompson, B.,F., 2008. Illustrated Guide to Home Biology Experiments: All Lab, No Lecture (DIY Science) 1st Edition				1		
Optional literature (at the time of submission of study programme proposal)	Pevalek-Kozlina, B., 2003. Physiology of plants. Profile, Zagreb http://croatica.botanik.hr/praktikum/home.htm Riedl, R., 1963. Fauna und Flora de Adria. Verlag Paul Parey, Hamburg and Berlin.						d Flora der

Quality assurance	Personal consultations, analysis of individual tasks, joint discussion, institutional
methods that	evaluation of the teaching process.
ensure the	
acquisition of exit	
competences	
Other (as the	
proposer wishes to	
add)	