

NAME OF THE COURSE		Marine Biology				
Code	PMB411	Year of study	3			
Course teacher	Assistant Professor Antonela Paladin, PhD	Credits (ECTS)	2			
Associate teachers		Type of instruction (number of hours)	L	S	E	F
			30			
Status of the course	Elective	Percentage of application of e-learning	10%			
COURSE DESCRIPTION						
Course objectives	Introduce students with characteristics and processes of the life in the sea, biology of marine organisms and their role in the ecosystem. The aim is also to introduce students with endangeres of the sea and human impact.					
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>define and describe fundamental concepts of marine biology,</li> <li>analyze and understand biotic ocean systems and organisms,</li> <li>analyze the distribution of organisms in ocean ecosystems,</li> <li>connect the adaptations of organisms and their habitats,</li> <li>analyze the human impact on the marine environment.</li> </ol>					
Course content broken down in detail by weekly class schedule (syllabus)	<p>Lectures:</p> <ol style="list-style-type: none"> <li>Introduction to Marine Biology, the sea floor and the geology of the ocean (2 hours)</li> <li>Chemical and physical features of seawater (2 hours).</li> <li>Ecological and evolutionary principles (2 hours).</li> <li>Adaptation of marine organisms (2 hours).</li> <li>Reproduction, dispersal, and migration (2 hours).</li> <li>Estuaries, between the tides, coral reefs (2 hours).</li> <li>The coastal sea and continental shelf (2 hours)</li> <li>Organisms of the open sea – Plankton (2 hours).</li> <li>Organisms of the open sea – Nekton (2 hours).</li> <li>Life in the deep sea (2 hours).</li> <li>The role of marine organisms in biogeochemical processes (2 hours).</li> <li>Biodiversity in the sea (2 hours).</li> <li>Food from the sea (2 hours).</li> <li>The impact of humans on the marine environment (2 hours).</li> <li>Oceanography and biology of the Adriatic and Mediterranean Sea (2 hours).</li> </ol>					
Format of instruction	<input checked="" 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 type="checkbox"/> field work		<input checked="" type="checkbox"/> independent assignments <input type="checkbox"/> multimedia <input type="checkbox"/> laboratory <input type="checkbox"/> work with mentor <input type="checkbox"/> (other)			

Student responsibilities	Attendance of lectures and seminar essay, active participating, oral exam.					
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	1	Research		Practical training	
	Experimental work		Report		(Other)	
	Essay		Seminar essay		(Other)	
	Tests		Oral exam	0,5	(Other)	
	Written exam	0,5	Project		(Other)	
Grading and evaluating student work in class and at the final exam	The grading is based on the written and oral 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>
	Karleskint, G., Turner, R., Small, J 2006. Introduction to Marine Biology. Thomson brooks/Cole				2	
	Castro, P., Huber, M. E., 2005. Marine Biology. McGraw-Hill, New York.				10	
	Levinton, J. S. 2001. Marine biology (Function, Biodiversity, Ecology). Oxford University Press, UK.				1	
	Miller, C. B., 2004. Biological oceanography. Blackwell, Oxford.				1	
Optional literature (at the time of submission of study programme proposal)	Peres, J. M., Gamulin-bridica, H. 1973. Biološka oceanografija. Školska knjiga, Zagreb. Viličić, D. 2002. Fitoplankton Jadranskog mora. Školska knjiga Zagreb. Viličić, D. 2003. Fitoplankton u ekološkom sustavu mora. Školska knjiga Zagreb					
Quality assurance methods that ensure the acquisition of exit competences	Consultations with students, students questionnaire.					
Other (as the proposer wishes to add)						