NAME OF THE COURSE	**Research in Biophysics**					
Code	PMP407	Year of study	2			
Course teacher	Larisa Zoranić, PhD, Associate Professor	Credits (ECTS)	5,0			
Associate teachers		Type of instruction (number of hours)	L	S	E	F
			0	10	20	
Status of the course	Compulsory	Percentage of application of e-learning				

COURSE DESCRIPTION

Course objectives	To train students towards independent research, with the participating in development, measurement, analysis and presentation of scientific projects in biophysics and bio-science.
Course enrolment requirements and entry competences required for the course	The learning outcomes of Bachelor programmes in physics, basic knowledge in molecular biology and biochemistry.
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	On completion of this course a student should be able to: 1. Explore, develop and present a physical model for the selected problem in biophysics or interdisciplinary. 2. Depending on the research subject, get familiar with the techniques and methods applied in the biophysical or interdisciplinary research. 3. Prepare and present a seminar work. 4. Develop a critical understanding of scientific investigation in biophysics and interdisciplinary and ability to describe and present such research.
Course content broken down in detail by weekly class schedule (syllabus)	The course depends on the research subject, with the general content: 1. Definition of a research problem 2. Literature search 3. Definition of a physical model 3. Measurements, simulations, bioinformatical analysis, programming … 4. Analysis and calculation 5. Writing seminar 6. Presentation
Format of instruction	☒ lectures ☒ seminars and workshops ☐ exercises ☐ on line in entirety ☐ partial e-learning ☐ field work ☐ independent assignments ☐ multimedia ☐ laboratory ☒ work with mentor ☐ homework assignments
Student responsibilities	Independently, with the professional guidance, to complete and present small scientific project.

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)*

Name	Ects	Name	Ects	Name	Ects
Class attendance	1	Research	4	Experimental work	
Oral exam		Report		Homework assignments	
Seminar essay		Essay			
Tests		Practical training			
Written exam		Project			

<table>
<tr><td>Grading and evaluating student work in class and at the final exam</td><td>Preparation and presentation of the research (100%).</td></tr>
<tr><td>Required literature (available in the library and via other media)</td><td><table>
<tr><th>Title</th><th>Number of copies in the library</th><th>Availability via other media</th></tr>
<tr><td>Depending on the choice of the research subject</td><td>0</td><td></td></tr>
</table></td></tr>
<tr><td>Optional literature (at the time of submission of study programme proposal)</td><td></td></tr>
<tr><td>Quality assurance methods that ensure the acquisition of exit competences</td><td>1. Analysis of the acquired learning outcomes at the end of the class, compared with the introductory work of students.
2. Monitoring the development of students in the subjects who followed the links with the success of the case.
3. Exam results statistics and student evaluation through an anonymous survey at the end of the course. The survey is conducted according to the regulations of the University of Split.</td></tr>
<tr><td>Other (as the proposer wishes to add)</td><td></td></tr>
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