NAME OF THE COURSE	Research Project					
Code	PMP134	Year of study	GU-2			
Course teacher	Marko Kovač, PhD, Assistant Professor	Credits (ECTS)	5,0			
Associate teachers		Type of instruction (number of hours)	L	S	E	F
				30		
Status of the course	Obligatory	Percentage of application of e-learning	50			

COURSE DESCRIPTION

Course objectives	1. Train students for independent research. 2. Learn how to interpret and present research results. 3. Encourage independent research.
Course enrolment requirements and entry competences required for the course	Acquired learning outcomes of the following courses: 1. Special Theory of Relativity 2. Elementary Particle Physics I 3. Stochastic Simulations in Classical and Quantum Physics
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	1. Knowledge of making a physical model for a selected problem in Astrophysics and Elementary Particle Physics. 2. Knowledge of data analysis in Astrophysics and Elementary Particle Physics. 3. Knowledge of research planning . 4. Preparing a written seminar. 5. Oral presentation.
Course content broken down in detail by weekly class schedule (syllabus)	1. Definition of the research problem. 2. Literature research. 3. Collection and preparation of data. 4. Data analysis. 5. Presentation of research results. 6. Writing a seminar.
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	Regular consultations with the teacher. Regular reports by students on research progress.

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		Research	7	Experimental work	
Oral exam		Report		Homework assignments	
Seminar essay	3	Essay			
Tests		Practical training			
Written exam		Project			

Grading and evaluating student work in class and at the final exam	Continuous monitoring of problem-solving progress. Evaluation of written summary and presentation of results.

<table>
<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 research topic.</td><td>0</td><td></td></tr>
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<tr><td>Optional literature (at the time of submission of study programme proposal)</td><td>Depending on the research topic.</td></tr>
<tr><td>Quality assurance methods that ensure the acquisition of exit competences</td><td>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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