NAME OF THE COURSE Research Work			ו Environmental Physics								
Code	PMP26C		Year of study 2								
Course teacher	Darko Koračin, PhD, Full Professor Jadranka Šepić, PhD, Assistant Professor Žarko Kovač, PhD, Assistant Professor		Credits (E	ECTS)	6						
			Type of instruction		L	S	Е	F			
Associate teachers			(number of hours)		10	20	30				
Status of the course	Compuls	sory	Percenta applicatio	ge of on of e-learning	i						
COURSE DESCRIPTION											
Course objectives	 train students for independent research acquire skills of presentation of scientific results according to the standards of the profession encouraging independent research 										
Course enrolment requirements and entry competences required for the course	 Introduction to Fluid Mechanics Meteorology 1 Ocean Physics 1 Introduction to Data Analysis Meteorology 2 Ocean Physics 2 										
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	 knowledge of making a physical model for a selected problem in environmental physics knowledge of research planning depending on the choice of research topic, knowing specific techniques and Methods of measurement and data processing depending on the choice of research topic, knowing specific techniques and modelling methods preparing a written seminar oral presentation 										
Course content broken down in detail by weekly class schedule (syllabus)	 Review of current research in environmental physics (10 hours of lectures) Definition of the research problem (*) Literature search (*) Analysis of the theoretical model (*) Presentation of the theoretical foundations of the research topic (10 hours of seminars) Measurements, simulations, development of computer programs (*) Analysis and data processing (*) Presentation of quantitative research results (10 hours of seminars) Writing a seminar (*) * The exact number of hours of practice of each teaching unit depends on the research topic 										
Format of instruction	 ☑ lectu ☑ sem ☑ exer □ on li ☑ parti ☑ field 	ires inars and workshops cises <i>ne</i> in entirety al e-learning work	5	 independent multimedia laboratory work with me independent 	assignments entor						

Student responsibilities	Attend at least 70% of lectures and 70% of exercises.										
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	Class attendance	1	Research		Practical trainin	ng 1					
	Experimental work	1	Report		Homework	1					
	Essay		Seminar essay	1	(Other)						
	Tests		Oral exam		(Other)						
value of the course)	Written exam		Project	1	(Other)						
Grading and evaluating student work in class and at the final exam	environmental physics (models, measurements, instrumentation). By the end of the 5th week of classes, the student chooses a topic and a mentor. Depending on the topic, the student also receives a co-mentor who can be from an external institution. In weeks 6 - 15, the student conducts research by attending individualized exercises adapted to the research topic. At the end of week 10, he presents the theoretical foundations of the research topic. At the end of week 15, the student presents the quantitative results of the research. He then submits a written seminar containing theory and results. Students who do not present theoretical or quantitative results or do not submit a seminar lose the right to take the exam										
Required literature (available in the library and via other media)			Number of copies in the library	Availability via other media							
	- books depending on the research topic										
Optional literature (at the time of submission of study programme proposal)	- papers depending on the research topic										
Quality assurance methods that ensure the acquisition of exit competences	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.										
proposer wishes to add)											