Course name	Atmospheric Pollution										
Code	PMP16D	Year of s	Year of study			3 D					
Course teacher	Prof.dr.sc. Darko Koračin Credits (ECTS) 3										
Associate teachers			Type of ii (number			Р 30	S 10	AV	LV	KV	
Course status	Compulsory		Percenta application		arning	30					
COURSE DESCRIPTION											
Course objectives	 Provide knowledge on Characteristics of the atmosphere and air quality Main atmospheric pollutants Effects of pollutants on health effects Ozone in the atmosphere Main chemical reactions of pollutants in the atmosphere Modeling transport and dispersion of atmospheric pollutants 										
Course enrolment requirements and entry competences required for the course	Prerequisites Basic physics Basic meteorology Basic chemistry 										
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	Understanding main characteristics of air pollution Awareness on human health degradation caused by atmospheric pollutants Knowledge on chemical reactions and processes relevant to air quality Ability to analyze modeling results and to construct a simple dispersion model										
Course content broken down in detail by weekly class schedule (syllabus)	 Structure of the atmosphere Ideal gas laws Chemical elements and compounds relevant to air pollution and health impacts Aerosols in the atmosphere Ozone in the atmosphere Modeling air pollution Gaussian models of dispersion Numerical models based on higher-order closures Lagrangian stochastic models of dispersion 								1 1 3 5 5 3 3 1 2 1		
Instruction format:	x lectures x seminars x exercise on line x combined e-learn field work	x independent homework multimedia laboratory x mentoring other									
Student responsibilities											
Screening student	Attendance 1 Research			h Practical work							
work (name the proportion of ECTS	Experimental Report			Homework							

credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course)	Essay	1	Seminars		Other						
	Colloquium		Oral exam	1	Other						
	Written exam		Project		Other						
Grading and evaluating student work in class and at the final exam	Ocjena se utvrđuje na temelju ocjena: usmene prezentacije domaćih radova. 										
Required literature (available in the library and via other media)		Number of copies in library	From o med								
	Jacobson, M. Z., 20 Warming. Cambridg Turner, B. D., 1970 Dispersion Estimate Education and Wea	3									
Optional literature											
Quality assurance methods that ensure the acquisition of exit competences Other (as the proposer wishes to add)	 1. Analysis of the acquired learning outcomes at the end of the class, compared with the work of students. 2. Monitoring the development of students in the subjects who followed the links with the success of the case 3. Other surveys of studentsvjere 										