NAME OF THE COL	JRSE	Gener	al-Physic	s Laborator	y IV								
Code	PMP014	4		Year of s									
Course teacher	Ante Bil	Ante Bilušić Credits (ECTS) 3.0											
Associate teachers				Type of ir	nstruction of hours)	L	S	E	F				
Status of the course	Obligatory course			Percenta	ge of			40	<u> </u>				
Otatus of the course					n of e-learning								
				SE DESCRI									
Course objectives	Understanding the lows of thermodynamics through independent performance of selected experiments. Understanding and application of the detailed statistical analysis of experimental results. Use of computers in the statistical analysis and report writing.												
Course enrolment requirements and entry competences required for the course	Passed exams in General Physics IV, General-Physics Laboratory I and General-Physics Laboratory II.												
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	<ul> <li>by application of knowledge in fields of thermodynamics and statistical physics to understand the theoretical background of selected experiments in laws of thermodynamics,</li> <li>by application of knowledge in fields of thermodynamics and statistical physics to describe the parts and principles of selected experiments laws of thermodynamics,</li> <li>by application of knowledge in measurements in physics to perform the statistical analysis of the results obtained from measurements using the computer,</li> <li>to use the document preparation system,</li> <li>by both application of knowledge in measurements in physics and the results of statistical analysis, to identify and understand the errors of measurement.</li> </ul>												
Course content broken down in detail by weekly class schedule (syllabus)	Laboratory includes the following experiments:  • Equation of state of ideal gas  • Thermal expansion of the solid body  • Specific heat capacity of water  • Specific heat of ice melting and water evaporation  • Specific heat capacity of the solid body  • Maxwell-Boltzmann distribution of velocities  • Solar cells characteristics												
Format of instruction	☐ lectur ☐ semir ☐ exerce ☐ on lint ☐ partia	nars an cises ne in en al e-lear	-	ops	<ul> <li>independent assignments</li> <li>multimedia</li> <li>laboratory</li> <li>work with mentor</li> <li>(other)</li> </ul>								
Student					-								
responsibilities	01		ı		T	1		<del></del>					
Screening student work (name the	Class attendar		1.0	Research		Practical	training						
proportion of ECTS credits for each	Experim work	iental		Report	1.5	(0	Other)						

Essay		Seminar essay		(Other)							
Tests		Oral exam	0.5	(Other)							
Written exam		(Other)									
During each term the student's knowledge of the experiment is verbally verified, while on each performed experiment students have to write a report that will be evaluated. The exam consists in the performance of one of the experiments. The final score is based on the knowledge shown during classes and exam, and on reports on conducted experiments.											
	-	Number of copies in the library	Availability via other media								
		0	yes (free access)								
TV, SKIIPIA, III CI	Valiaii				access)						
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Halliday, R	esnick, V	Valker: <i>Fundar</i>	mentals of Phy	<i>rsics</i> , John Wild	ey & Sons, 2003.						
Statistics of students' results and students' evaluation via anonymous											
rules of the University of Split.											
	Tests  Written exam  During each terwhile on each pevaluated. The final score is bareports on cond  Ante Bilušić, La IV, skripta, in Conductor of the final score is bareports on conductor of the final score is bareports.	Tests  Written exam  During each term the stu while on each performed evaluated. The exam confinal score is based on the reports on conducted example.  Ante Bilušić, Larisa Zora IV, skripta, in Croatian  • Halliday, Resnick, V  Statistics of students' resquestionnaires at the end	Tests Oral exam  Written exam Project  During each term the student's knowled while on each performed experiment stevaluated. The exam consists in the perfinal score is based on the knowledge streports on conducted experiments.  Title  Ante Bilušić, Larisa Zoranić Praktikum IV, skripta, in Croatian  • Halliday, Resnick, Walker: Fundar Statistics of students' results and stude questionnaires at the end of the course	Tests Oral exam 0.5  Written exam Project  During each term the student's knowledge of the exp while on each performed experiment students have t evaluated. The exam consists in the performance of final score is based on the knowledge shown during reports on conducted experiments.  Title  Ante Bilušić, Larisa Zoranić Praktikum iz opće fizike IV, skripta, in Croatian  • Halliday, Resnick, Walker: Fundamentals of Phy  Statistics of students' results and students' evaluation questionnaires at the end of the course. The survey is	Tests Oral exam 0.5 (Other)  Written exam Project (Other)  During each term the student's knowledge of the experiment is verb while on each performed experiment students have to write a report evaluated. The exam consists in the performance of one of the experimal score is based on the knowledge shown during classes and ex reports on conducted experiments.  Title Number of copies in the library  Ante Bilušić, Larisa Zoranić Praktikum iz opće fizike IV, skripta, in Croatian  • Halliday, Resnick, Walker: Fundamentals of Physics, John Wilder Statistics of students' results and students' evaluation via anonymou questionnaires at the end of the course. The survey is conducted and						