NAME OF THE COURSE	Introduction to Astronomy and Astrophysics									
Code	PMP130	Year of stu	dy	GU-1 GU-2 UGU-3						
Course teacher	Marko Kovač, PhD, Assistant Professor	Credits (EC	CTS)	4,0						
Associate teachers		Type of instruction (number of hours)		L 30	S 15	E	F			
Status of the course	Elective	Percentage application	e of of e-learning	20						
	COURSE DESCRIPTION									
Course objectives Course enrolment requirements and entry competences required for the course	Introduce students to the basic concepts and laws of astronomy and astrophysics, which can enable them to further independent learning in astronomy and astrophysics. Acquired learning outcomes of the course General Physics I.									
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	 After mastering the material, the student is expected to know: 1. The most important from the history of astronomy. 2. Orient oneself on the celestial sphere. 3. Explain the movement of the Earth and phenomena in the celestial sphere. 4. Explain the structure and processes of formation and development of celestial bodies. 5. Describe the evolution of stars and explain the Hertzsprung-Russell diagram. 6. Explain thermonuclear processes in stars and energy radiation. 7. Describe distance measurement methods. 8. Interpret the basic features of the Big Bang theory. 9. Explain the basics of telescope operation. 									
Course content broken down in detail by weekly class schedule (syllabus)	 History of astronomy. The movement of the Earth and phenomena on the celestial sphere. Gravity and celestial mechanics. The solar system. Telescopes. Basic properties of stars. Spectral classification of stars. Hertzsprung- Russell (HR) diagram. Origin and development of stars. Interstellar matter. The Milky Way. Distance measurement methods. Galaxies and cosmology. 									
Format of instruction Student responsibilities	 I ectures Seminars and work ⊇ exercises □ on line in entirety □ partial e-learning ⊠ field work Attend at least 70% or 	shops	□ independ ☑ multimed □ laborator □ work with □ homewor resent semina	lia y n meni rk ass	tor ignment					

	Name	Ects	Name	Ects	Name		Ects			
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)										
Grading and evaluating student work in class and at the final exam	Pass two midterm exams with a minimum score of 50% at each midterm or pass the final exam with a minimum score of 50%. Midterm exams and final exam consist of both oral and written parts.									
	Title			co	nber of bies in library	Availability via other media				
Required literature (available in the library and via other media)	VUJNOVIĆ, V. (1990). Astronomija 1 : osnove astronomije i planetski sustav. Zagreb: Školska knjiga.				3					
	VUJNOVIĆ, V. (1994). Astronomija 2 : metode astrofizike, sunce, zvijezde i galaktike. Zagreb: Školska knjiga.				1					
Optional literature (at the time of submission of study programme proposal)	CARROLL, B. W. (UK :). An introduction to modern astrophysics. Cambridge, UK: Cambridge University Press.									
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.									
Other (as the proposer wishes to add)										