NAME OF THE COURSE	Introduction in Polytechnic					
Code	PMT002	Year of study	1.			
Course teacher	Stjepan Kovačević Assistant professor	Credits (ECTS)	2,0			
Associate teachers		Type of instruction (number of hours)	L	S	E	F
			15	15		
Status of the course	Compulsory	Percentage of application of e-learning	20%			

COURSE DESCRIPTION

Course objectives	Adoption of basic knowledge and skills in the field of polytechnics necessary for organization and realization technical teaching in elementary school, with special emphasis on construction and traffic.
Course enrolment requirements and entry competences required for the course	
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	After this course, students will be able to: - Analyze the role of polytechnics in everyday life; Apply economics principles in planning and realization of technological processes in education; Select, structure and evaluate polytechnic content; Critically consider building technique from the aspect of functionality and aesthetics; Apply acquired construction competences in the future teaching work; Critically consider traffic from aspects of functionality, security, and economics; Apply acquired traffic competences in the future teaching work; Explain the role of ICT in modern transport systems.
Course content broken down in detail by weekly class schedule (syllabus)	1.Defining and determining the content of Polytechnic. 2. The function of Polytechnics in the context of economic, manufacturing and service systems, logistics and economics. 3. Elements of the polytechnic system and examples of their implementation in production and economy. 4. Polytechnic in Education. 5. Building fundamentals 6. Architectural - building plan documentation; types of plans. 7. Graphic tags of materials and elements. 8. Construction materials. 9. Traffic fundamentals. 10. Types of traffic - traffic subsystems. 11. Basic characteristics of land, water and air traffic. 12. Telecommu nications. 13. Traffic signalization. 14. Information and communication systems in traffic. 15. Intelligent transport systems.

Format of instruction	☒ lectures ☒ seminars and workshops ☐ exercises ☐ *on line* in entirety ☐ partial e-learning ☐ field work	☐ independent assignments ☐ multimedia ☐ laboratory ☐ work with mentor ☐ (other)
Student responsibilities		

Screening student	Class		Research		Practical training	

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)*	attendance					
	Experimental work		Report		(Other)	
	Essay		Seminar essay	1	(Other)	
	Tests		Oral exam	1	(Other)	
	Written exam		Project		(Other)	

Grading and evaluating student work in class and at the final exam	

	Title	Number of copies in the library	Availability via other media
Required literature (available in the library and via other media)	Online lectures about Polytechnic		

Optional literature (at the time of submission of study programme proposal)	
Quality assurance methods that ensure the acquisition of exit competences	Students interview; Students opinions regarding the teaching quality by anonymous surveys; Students achievement; Self-analysis.
Other (as the proposer wishes to add)	