

UNIVERSITY OF NIŠ

Course Unit Descriptor		Facult	ty	Faculty of M	chanical Engineering		
GENERAL INFORMATION							
Study Program	Traffic engineering, transport and logistics						
Study Module (if applicable)	-						
Course Title	Pipe transportation						
Level of Study	Bachelor		🛛 Mas	⊠ Master's □ Doctora			
Type of Course	□ Obligatory		🛛 Eleo	tive			
Semester	🛛 Autumn		🗆 Spri	ng			
Year of Study	1						
Number of ECTS Allocated	6						
Name of Lecturer/Lecturers	Saša Milanović, Jasmina B. Bogdanović-Jovanović						
	⊠ Lecture	⊠ Lectures		roup tutorials 🛛 Individual tutorials		tutorials	
Teaching Mode	🗆 Laborat	□ Laboratory work		Project work 🛛 🖂 Seminar			
	□ Distanc	□ Distance learning		□ Blended learning □ Ot			
Purpose and Overview (max. 5 s	sentences)						
Introduction to the principles of v Understanding the characteristic							
Syllabus (brief outline and sum	-						
1) Water supply systems, classifi drop in pipelines. 3) Pump opera system with reservoirs. 5) Oil pi Hydraulic calculation of pipeline pipeline in non-isothermal flow. drop for isothermal gas flow. 9) Physical properties of mixtures; flow;	iting regimes i pelines - techr for isotherma 7) Gas pipelin Transportatio	in water supp nology of oil t al flow; Temp es - classification on of solid ma	bly system transporta erature dr tion and e aterials in t	s. 4) Hydrauli tion in pipelir op along the lements . 8) E the fluid flow	c calculation of nes and systems oil pipelines and Differential equa - hydraulic and p	main water pipeline of oil heating. 6) d hydraulic calculation ation of gas flow. Press pneumatic conveying.	of sure 10)
Language of Instruction							
⊠Serbian (complete course)	🛛 Eng	glish (comple	ete course) 🗆 C	other	(complete course	e)
□Serbian with English mentorir	lg □Ser	bian with oth	ner mento	ring			
Assessment Methods and Crite	ria						

Pre exam Duties	Points	Final Exam	Points				
Activity During Lectures	5	Written Examination	Max 40, depending on Teaching Colloquia				
Practical Teaching	5	Oral Examination	50				
Teaching Colloquia	40	Overall Sum	100				
*Final examination mark is formed in accordance with the Institutional documents							