Course Unit Descriptor

Study Programme: Energy and Process Engineering			
Course Unit Title: Pipeline Transportation			
Course Unit Code: M3496			
Name of Lecturer(s): Siniša Bikić			
Type and Level of Studies: Bachelor level			
Course Status (compulsory/elective): compulsory			
Semester (winter/summer): summer			
Language of instruction:english			
Mode of course unit delivery (face-to-face/distance learning): face-to-face			
Number of ECTS Allocated:7			
Prerequisites: none			
Course Aims: Introduction to the transport of fluid and loose materials in pipelines.			
Learning Outcomes: Preparation of final year students in the design of hydraulic and pneumatic transport.			
Syllabus: Pipeline transportation of solid materials. Physical properties of mixtures. Fluidization of loose materials. Pneumatic transport. Pneumatic transport devices. Hydraulic transport. Hydraulic transport devices.			
Required Reading: Relevant literature in English TBD			
Weekly Contact Hours:	**Lectures:3**	**Practical work:3**	
Teaching Methods: Lectures, computation, numerical and computer exercises and consultations.			
Knowledge Assessment (maximum of 100 points):100			
Pre-exam obligations	points	**Final exam**	points
Lecture attendance	5	Written part of the exam	60
Exercise attendance	5	Oral part of the exam	10
Graphic paper	20		
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.			