Title ofCourse		Fluid mechanics - laboratory			
Semester		Autumn/Spring			
Teaching		Total	- Lectures:	- Tutorials:	
Hours per Course:		15		15	
ECTS Credits		2			
The content of education					
Aims	The course is concerned with basic knowledge of the fluid mechanics and				
ofCourse	the associated engineering applications. The aim of the course is				
	knowledge and understanding of basic ideas, phenomena, and laws that				
	govern of fluid flow, which may be incompressible in liquids and				
	compressible in gases. Thermomechanics and thermodynamics are				
	considered for that purpose. The application of the gained knowledge in				
	indu	industrial equipment design is considered as well. It may be done by			
	dete	determining of flow and thermal parameters in various industrial facilities			
	and	and in environment as well.			
Program	Lab1-2 – Safety training and laboratory overview; Lab3-4 - Fluid				
	properties measurements; Lab5-6 – Free surface in rotating vessel; Lab7-8				
	-Ste	 Steady-state outflow from outlets and orifices; Lab9-10 – Pressure 			
	distr	distribution around circular shape; Lab11-12 – Critical Reynolds number;			
	Lab	Lab13-14 – Overall energy and pressure line along pipeline;			
Conditions	Students are obliged to participate in laboratory classes. Continuous				
ofcompletion	examination at laboratory classes – evaluation test prior to each class, report				
	subr	submission and evaluation after each class. <u>Examination at lectures</u> –			
	eval	evaluation test during the final lecture.			
Teacher	Prof. Dr. Krzysztof J. Wołosz				