



Course ID: HTHI06	Course name: Selected water processing chapters		
Cycle: II (SECOND)	Year: I (FIRST)	Semester:	ECTS credits: 5
Course status: ELECTIVE		Total course hours: 75 Lectures: 75 Laboratory: 0	
Teaching participants:	Teachers and associates with expertise in the field to which the subject belongs.		
Prerequisite for enrollment:	-		
Course aims:	To provide students with basic knowledge in the field of wastewater treatment and to introduce them into modern processing processes of industrial wastewater		
Thematic course units:	As part of the case, the theoretical basis and practical procedures of a variety of processes involved in the preparation of drinking water, wastewater and water for the needs of the industry needs will be considered. As part of the course, in detail how the processes of previous water preparation and the selected processes that fall in the domain of the final water preparation for individuals (water supply, water, water for the needs of the pharmaceutical and food industry and other). During the course, students work seminar work based on the literature review from a certain area of water treatment.		
Learning outcomes:	The student will be able to: - analyze and apply knowledge in the field of wastewater treatment - Peminating knowledge in the field of water preparation for individual industries - be trained for the preparation of seminar papers from certain areas of water treatment		
Teaching methodology:	1) Method of verball exposure 2) Discussion method 3) Research method		

		4) Method of preparation of seminar papers		
Assessment methods and grading system:	Grading criteria			
		Criteria	Maximal score	Required score
	1.	Class attendance	5	3
	2.	Class activities	15	8
	3.	Midterms	40	22
	4.	Final exam	40	22
		Total	100	55
	Scores and grading			
		Score	Grade (B&H)	Grade (ECTS)
		< 55	5	F, FX
		55-64	6	E
		65-74	7	D
		75-84	8	C
	85-94	9	B	
	95-100	10	A	
Literature:	<p>1. N.P.Cheremisinoff, Handbook of Water and Wastwaters Treatment Technologies; N&P Ltd Butterworth and Heinemann, Boston,USA 2002.</p> <p>2. A.E. Kerschbaumer, Pflanzen-klaranlagen selbst gebaut, Leopold Stocke Verlag,2006</p> <p>3. S. Judd and B. Jeffersoon; Membranes for Industrial Wastewaters Recovery and Reuse;Elsevier 2003</p> <p>4. W. Roecke: Trinkwasser desinfektion, Oldenbourg Industrieverlag,2007</p>			