



Course ID: HTHI03	Course name: DRINKING WATER PREPARATION		
Cycle: II (SECOND)	Year: I (FIRST)	Semester: I	ECTS credits: 4
Course status: ELECTIVE		Total course hours: 60 Lectures: 30 Laboratory: 30	
Teaching participants:	Teachers and associates with expertise in the field to which the subject belongs.		
Prerequisite for enrollment:	-		
Course aims:	Introducing students with the application of principles and techniques used in the preparation of drinking water		
Thematic course units:	Introducing students with the basic principles of chemical engineering applicable in the preparation of drinking water, and with their concrete application. Removing organic components, taste and water scents, water selection, selection and design process for water preparation. Monitoring process and analysis of monitoring parameters		
Learning outcomes:	The student will be able to: - Assess, apply the principles and techniques used in water prize - analyze both adjusted taste and water scent and how to remove organic components - Get acquainted with monitoring the process and analysis of monitoring parameters		
Teaching methodology:	1) Method of verball exposure 2) Discussion method 3) Research method 4) Method of practical work		
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>Dopunska:</p> <ol style="list-style-type: none"> Hellman, D.-H.& Riegler, G. 2010, "Maschinentchnik in der Abwasserreinigung", WILEY-VCH. Mackenzie, L.D. 2010, "Water and Wastewater Engineering Design Principle and Practice", The McGraw-Hill Companies. Wilhelm, S. 2003, "Wasseraufbereitung", Springer. Abulencia, P.J.& Theodore L. 2009, "Fluid flow for the Practicing Chemical Engineer", John Wiley&Sons. 		