UNIVERSITY OF SARAJEVO – FACULTY OF SCIENCE
Department of Chemistry

UNIVERSITY OF SARAJEVO
FACULTY OF SCIENCE

Form SP2

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Course ID: HTHI02	Course name: INDUSTRIAL WATER PREPARATION		
Cycle: II (SECOND)	Year: I (FIRST)	Semester: II	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:	Overcome modern physical and chemical and biological procedures, as well as the most modern separation techniques		
Thematic course units:	Introducing students with modern techniques of water preparation in the industry used to power boilers and reactors in the industry. It will process separation techniques, the application of biological procedures as well as ways of processing waste sludge in industrial systems.		
Learning outcomes:	The student will be able to: - Recognize contemporary physical and chemical and biological procedures - apply state-of-the-art separation techniques - Assess which techniques prepare water in the industry used to power boilers and reactors in the industry.		
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	Grade

		(B&H)	(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:	: 1. Amjad, Y.2010, „The Science and Technology of Indusstrial Water treatment", Taylor & Francis Group 2. Aquaprox, 2007, „Kulwasserbehandlung", Springer 3. Mackenzie,L.D. 2010,"Water and Wastewater Engineering Design Principe and Practice",The McGraw-Hill Companies. 4. Shundar Lin, Water and Wastewater Calculation Manual, McGraw-Hill, 2001		