



Course ID: HTHI23	Course name: TECHNICAL SYSTEMS FOR WASTE GAS PURIFICATION		
Cycle: II (SECOND)	Year: I (FIRST)	Semester:	ECTS credits: 5
Course status: ELECTIVE		Total course hours: 75 Lectures: 45 Laboratory: 30	
Teaching participants:	Teachers and associates with expertise in the field to which the subject belongs.		
Prerequisite for enrollment:	-		
Course aims:	Acquisition of theoretical and practical knowledge about technologies and devices for waste gas treatment. Selection of techniques and devices and their application for concrete cases.		
Thematic course units:	Air pollution, shapes and sources. Atmospheric dispersion of pollutants. Pollution control. Apparatus and control devices: precipitator, inert separators, cyclones, scrubbers, filters, electrostatic precipitators. Waste gas emission control techniques: absorption, adsorption, combustion. Cleaning procedures: Sulfur, nitrogen, fluora chlora		
Learning outcomes:	The student will be able to: - acquire knowledge of technologies and devices for waste gas treatment - master the handling skills, control of apparatus and device control devices - will be competent for technical systems for waste gas purification		
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>1. N. Avdić, Š. Goletić, N. Imamović: Tehnički sistemi za prečišćavanje plinova, Univerzitet u Zenici, ISBN 978-9958-639-50-0, CIP NUB BiH 504.5:66.074 (2013)</p> <p>Dopunska:</p> <p>1. A. Raković: Zagađivanje i prečišćavanje vazduha, Građevinska knjiga, 1981.</p> <p>2. P. N. Cheremisinoff and R. A. Young (Eds.), Air Pollution Control and Design Handbook. Part 2. New York: Marcel Dekker, 1977.</p>