



Course ID: HTHI24	Course name: SELECTED CHAPTERS FROM CHEMICAL TECHNOLOGY																										
Cycle: II (SECOND)	Year: I (FIRST)	Semester: I	ECTS credits: 5																								
Course status: ELECTIVE		Total course hours: 75 Lectures: 75 Laboratory:																									
Teaching participants:	Teachers and associates with expertise in the field to which the subject belongs.																										
Prerequisite for enrollment:	-																										
Course aims:	Mastering the basic legality of chemical technology, and characteristic chemical processes and appropriate reactors.																										
Thematic course units:	The chemical industry launches tens of thousands of various products, so the exposure of individual technologies in one course is impossible. Therefore, we will expose the basic principles of chemical processes that essentially form the basis of chemical technology exchange rate. Special attention will be focused on the company's third processes for which students are also represented in the chemical industry of BiH.																										
Learning outcomes:	The student will be able to: - Assess and apply knowledge from the basic principles of chemical-technological processes - apply knowledge from the technological processes represented in BiH for which the student are interested in view of a large number of products that launch the chemical industry																										
Teaching methodology:	1) Method of verball exposure 2) Discussion method 3) Research method 4) Method of practical work																										
Assessment methods and grading system:	<table border="1"><thead><tr><th colspan="4">Grading criteria</th></tr><tr><th></th><th>Criteria</th><th>Maximal score</th><th>Required score</th></tr></thead><tbody><tr><td>1.</td><td>Class attendance</td><td>5</td><td>3</td></tr><tr><td>2.</td><td>Class activities</td><td>15</td><td>8</td></tr><tr><td>3.</td><td>Midterms</td><td>40</td><td>22</td></tr><tr><td>4.</td><td>Final exam</td><td>40</td><td>22</td></tr></tbody></table>			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
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	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. R.Šećerov-Sokolović, Projektovanje tehnoloških procesa, Tehnološki fakultet, Novi Sad, 2000</p> <p>Dopunska:</p> <p>1. J.A. Moulijn, M. Makkee, A. Van Diepen. Chemical Process Technology, Wiley, Chichester, 2001</p> <p>2. B. Dietzsch, W. Fleischhauer, V. Leven, W. Müller, W. Ohling, I. Schön, k. Schwister, I. Tarjan: Taschenbuch der Verfahrenstechnik, Fachbuchverlag, 2010</p> <p>3. O. Levenspiel, Osnovi teorije i projektovanja hemijskih reaktora, TMF, Beograd, 1991 .</p>
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