

Course ID: HTH407	Cour	rse name: CHEMICAL PROCESS ENGINEERING			
Cycle: (I) FIRST	Year (FOl	: IV JRTH)	Semester: VIII	ECTS credits: 4	
Course status: ELECTIVE			Total course hours: Lectures: 30 Laboratory: 15	45	
Teaching participants:		Teachers and associates with expertise in the field to which the subject belongs.			
Prerequisite for enrollment:		-			
Course aims:		Introduction to the theoretical basis of chemical- technological processes with a minimum description of the practical execution of technological operations			
Thematic course units:		 Chemistry engineer in the chemical process industry Basic principles of mechanics Balance of forces Operations and apartments Basics of theory of similarity Aggregate states Fundamentals of fluid mechanics Honoring phenomena Surface phenomena 			

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Page **2** of **2**

Learning outcomes:	The student will be able to: - Identify the role of engineers in the chemical process industry - Assess the basic principles of mechanics and operations and appliances required in the chemical process industry - Analysis of aggregate states, similarity theories				
	- Apply knowledge from the basic fluid mechanics,				
Teaching methodology:	 Method of verball exposure Discussion method Method of practical work Research method 				
	Grading criteria				
	Criteria	Maximal score	Required score		
	1. Class attendance	<u>5</u> ۱۲	3		
	2. Class activities	15	<u>8</u> 22		
	<u>5. Midlerins</u>	40	22		
	4. Filial exam	100	55		
Assessment methods	Scores and grading				
and grading system:		Grade	Grade		
	Score	(B&H)	(ECTS)		
	< 55	5	F, FX		
	55-64	6	Е		
	65-74	7	D		
	75-84	8	С		
	85-94	9	В		
	95-100	10	A		
Literature:	 Ahmetović, E. Odabrana poglavlja hemijsko-procesnog inženjerstva, Univerzitet u Tuzli, Tehnološki fakultet, Tuzla, 2016 Suljkanović, M., Ahmetović, E. Koncentriranje i kristalizacija iz elektrolitskih sistema, Projektna i eksploataciona analiza, C.P.A, Tojšići, 2016 Haghi A. K. Chemistry and Chemical Engineering Research Progress, Nova, New York, 2010. Perry's Handbook of Chemical Engineering (1997). McGraw Hill 				