

<b>Course ID:</b> HTH409	Cour	ourse name: FLUIDS IN INDUSTRIAL CHEMISTRY					
Cycle: (I) FIRST	Year: IV (FOURTH)		Semester: VII	ECTS credits: 3			
Course status: ELECTIVE			<b>Total course hours: 45</b> Lectures: 30 Laboratory: 15				
Teaching participants:		Teachers and associates with expertise in the field to which the subject belongs.					
Prerequisite for enrollment:		-					
Course aims:		Introduction to fluid properties, movement and other characteristics of fluid in industrial chemistry.					
		1. Fluid move	ement	, , , , , , , , , , , , , , , , , , ,			
Thematic course units:		2. Fluid fluid flow in pipes and channels					
		3. Fluidless non-Newton fluids in pipes					
		4. Pumping liquid					
		5. Mixing liquid in thin					
		6. Influence of the tougher fluid in the channels					
		7. Flow measurement					
		8. Movement of liquid in the presence of solid particles					
		9. Introduction to the nonstationary current					
Learning outcomes:		The student will be able to: - apply knowledge of fluid movement, the flow of non-reliant					

## UNIVERSITY OF SARAJEVO – FACULTY OF SCIENCE Department of Chemistry

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	fluids in pipes and channels in industrial chemistry - analyze liquid pumping and mixing liquid in thin - apply knowledge from flow measurement, and particle movements as well as knowledge of non-stationary streaming				
Teaching methodology:	<ol> <li>Method of verball exposure</li> <li>Discussion method</li> <li>Method of practical work</li> </ol>				
	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				
Assessment methods	Scores and grading				
and grading system:	Score	Grade	Grade		
		(B&H)	(ECTS)		
	< 55	5	F, FX		
	55-64	6	E		
	65-74	7	D		
	75-84	8	<u> </u>		
	<u> </u>	9	<u> </u>		
	95-100	10	A		
	1. P.J.Abulencia, L. Theodore: Fluid flow for the				
	Practicing Chemical Engineer, John Wiley&Sons, New				
Literature:	Yersey, 2009.				
	2 PI Holland B Bragg: Fluid Flow for Chemical				
	2. F.J. Holialiu, K. Di agg: Fluid Flow for Chellical				
	Engineers, Arnold, London, 1995.				