

Course ID: HNM487	Course name: METHODOLOGY OF CHEMISTRY EDUCATION II					
Cycle: FIRST	Year: FOURTH		Semester: VIII	ECTS credits: 7		
Course status: MANDAT(DRY	Total course hours: 105 Lectures: 45 Laboratory: 60			
Teaching participants:		Teachers and associates with expertise in the field to which the subject belongs				
Prerequisite for enrollment:		-				
Course aims:		Introduction secondary a teaching con chemistry in	to the characteristics nd high schools. The npetencies and traini struction in secondary	of teaching chemistry in formation of necessary ing students for creative and high schools.		
Thematic course u	nits:	 teaching competencies and training students for creative chemistry instruction in secondary and high schools. Psychological foundations of teaching and learning. Contemporary learning theories Inclusion in chemistry education. Adapting chemistry teaching to students with disabilities Gifted students. Competitions in chemistry Specific organizational forms in chemistry teaching Didactic principles in chemistry teaching Teaching aids, modern teaching technology Theories and criteria for choosing teaching content Computers in chemistry education. Virtual laboratory Teacher preparation for the teaching process. Lifelong learning. The role of the laboratory in chemistry teaching Teaching chemistry in practice. Classroom management and discipline. Class leadership and cooperation with parents Chemistry curriculum. Planning the teaching process. Building chemistry knowledge Monitoring and evaluation of student work results - 				
Learning outcomes	3:	Knowledge: Integrate of from pedateaching Skills:	content knowledge from gogy, psychology, didad	chemistry with knowledge ctics, and methodology of		

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	Propose appropriate teaching aids and aids for more successful implementation of teaching in school;			r more	
	Competences:				
	• Di	scuss the advantages	and obstacles of inclu	ision in	
	ch	emistry teaching.			
	Oral presentation				
m 11 .1 11	Discussion				
Teaching methodology:	Research				
	Practical exercises				
	Grading criteria				
		Criteria	Maximal score	Required score	
	1.	Class attendance	5	3	
	2.	Class activities	15	8	
	3.	Midterm	25	14	
	4.	Seminar	15	8	
	5.	Final exam	40	22	
Assessment methods		Total	100	55	
and grading system1	Scores and grading				
and grading system.		Score	Grade	Grade	
		50070	(B&H)	(ECTS)	
		< 55	5	F, FX	
		55-64	6	E	
		65-/4	/	D	
		75-04 9E 04	0	C	
		95-100	10	<u> </u>	
	Mand	atory literature			
	Manu	atory interature			
	1	Cilivian M (2002)	Mata dila mantana la	omin Drive Xnile	
	1. SIKIFICA, M. (2003). Metodika nastave kemije, Priručnik				
	za nastavnike kemije, Zagreb: Skolska knjiga.				
	2. Zejnilagić-Hajrić, M., Ljubijankić, N. Čopra Janićijević,				
	A., Vidic, D., Nuić, I. (2016). Praktikum iz metodike				
Litoraturo ² .	nastave hemije. Sarajevo: Univerzitet u Sarajevu.				
Literature	3 Ildžbenici iz bemije za osnovne škole odobreni od				
	nadložnog Ministarstva za obrazovanja i naulu				
		nauleznog ministal	i stva za obrazovalije	паики.	
	Contract				
	Supplementary literature:				
	1.	Dragić, R. (1974).	Metodika nastave h	<i>emiie</i> . Saraievo:	
		Svjetlost.		- <u>-</u> j-,	

 $^{^{1}}$ The grading structure for each subject is determined by the Council of the organizational unit before the beginning of the academic year in which the subject is taught as per Article 64, paragraph 6 of the Law on Higher Education of Sarajevo Canton

 $^{^2}$ The Senate of the higher education institution, as an institution, or the Council of the organizational unit of the higher education institution, as a public institution, determines by a special decision, which is published on its website before the beginning of the academic year obligatory, mandatory and recommended textbooks and manuals, as well as other recommended literature based on which exams are prepared and taken as per Article 56, paragraph 3 of the Law on Higher Education of the Sarajevo Canton

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2.	Halaši, R., Kesler, M. (1976). <i>Metodika nastave hemije i</i> demonstracioni ogledi. Beograd: Naučna knjiga
3	Mayer V (1991) Eksperimentalna nastava kemije
5.	Zagreb: Školska knjiga.
4.	Miner, D. L., Nieman, R., Swanson, A. B., & Woods, M.
	(2001). Teaching chemistry to students with
	disabilities: A manual for high schools, colleges, and
	graduate programs. Washington, DC: American
	Chemical Society, Office of Professional Training,
5.	Matijević, M., Radovanović, D. (2011). Nastava
	<i>usmierena na učenika</i> . Zagreb: Školske novine.