

Course ID: HNM477	Course name: METHODOLOGY OF CHEMISTRY EDUCATION I			
Cycle: FIRST	Year: FOURTH		Semester: VII	ECTS credits: 7
Course status: MANDATORY		<b>Total course hours: 105</b> Lectures: 45 Laboratory: 60		
Teaching participa	I Agening narrieinantei		nd associates with ubject belongs	expertise in the field to
Prerequisite for enrollment:		-		
Course aims:		primary/mic integration a	ldle school. Training	s of teaching chemistry in g students for successful ntation of teaching process primary/middle school
Thematic course u	nits:	metho 2. The p in the Relati discip 3. Chem Subje 4. The n schoo 5. Obser 6. The tr 7. Educa Teach 8. Heuri 9. Progr 10. Proble 11. Disco 12. Teach 13. Forma	odology of teaching ch osition of the methodo e system of science onship with other olines. istry as a science and ct and tasks of teachin nain objectives of teach l vation and experimen raditional and modern ational strategies, m ing methods in chemis stic teaching ammed teaching em-based teaching very-based learning st ing strategies in small s of teaching chemistry	ology of teaching chemistry and system of education. sciences and scientific d as a course in education. g chemistry ching chemistry in primary at in chemistry teaching. teaching process nethods, and procedures. stry
Learning outcomes	5:	Knowledge: • Interp	ret basic chemical conc	epts in accordance with new

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	<ul> <li>scientific knowledge in the field of methodology of teaching chemistry;</li> <li>Skills: <ul> <li>Assess the effectiveness of different teaching strategies and methods in teaching chemistry, depending on the teaching content.</li> </ul> </li> <li>Competences: <ul> <li>Analyze modern theoretical and practical achievements of teaching methodology in general and chemistry teaching methodology;</li> </ul> </li> </ul>			
Teaching methodology:	Oral presentation Discussion Research Practical exercises			
		Criteria	Grading 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 system <sup>1</sup> :	Scores and grading			
		Score	Grade (B&H)	Grade (ECTS)
		< 55	5	F, FX
		55-64	6	E
		65-74	7	D
		75-84	8	С
		85-94	9	В
		95-100	10	А
Literature <sup>2</sup> :	1	2. Zejnilagić-Hajrić, 🛛	<i>ije,</i> Zagreb: Školska k	njiga. opra Janićijević,

 $<sup>^1</sup>$  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

 $<sup>^2</sup>$  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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nastave hemije, Sarajevo: Univerzitet u Sarajevu. 3. Udžbenici iz hemije za osnovne škole odobreni od nadležnog Ministarstva za obrazovanje i nauku.
Supplementary literature:
<ol> <li>Dragić, R. (1974). <i>Metodika nastave hemije</i>, Sarajevo: Svjetlost.</li> <li>Halaši, R., Kesler, M. (1976). <i>Metodika nastave hemije i demonstracioni ogledi</i>, Beograd: Naučna knjiga.</li> <li>Mayer, V. (1991). <i>Eksperimentalna nastava kemije</i>, Zagreb: Školska knjiga.</li> </ol>