

Course ID: HNMI11	Course name: M CHEMISTRY	irse name: METHODOLOGY OF TEACHING AND LEARNING EMISTRY		
Cycle: SECOND	Year: FIRST	Semester: I ECTS credits: 6		
Course status: MAN	IDATORY	DRY Total course hours: 90 Lectures: 30 Laboratory: 60		
Teaching participa	ntci	Teachers and associates with expertise in the field to which the subject belongs		
Prerequisite for enrollment:	-			
Course aims:	chemistry a Developme independer	Acquisition of knowledge about teaching methods in chemistry and their use with an emphasis on logical thinking Development of students' independence and a capacity fo independent lifelong learning. Development of the curiosit for research.		
Thematic course u	nits: cont 2. Appl cont 3. The 4. Spec 5. Bloo 6. Meth educ	<ol> <li>Concept maps and development of the ability to connect different concepts.</li> <li>Application of concept analysis to chemistry teaching content</li> <li>The constructivist model of cognition</li> <li>Specifics of learning chemistry</li> <li>Bloom's taxonomy and its application</li> <li>Methods for evaluation of achieved chemical education</li> <li>The Quality School - W. Glasser</li> </ol>		
Learning outcomes	Skills: • Link futu • Appl achi • Cons Competenc • Aday for teac • Link	<ul> <li>Knowledge:</li> <li>Skills: <ul> <li>Link the results of evaluation with the planning of future teaching practice</li> <li>Apply Bloom's taxonomy in the evaluation of student achievement</li> <li>Construct concept maps for given chemical concepts</li> </ul> </li> <li>Competences: <ul> <li>Adapt classroom space and other physical conditions for individual, group or frontal work in chemistry teaching</li> <li>Link knowledge of teaching strategies and methods in a specific classroom context</li> </ul> </li> </ul>		

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

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	Oral presentation				
Teaching methodology:	Discussion				
reaching methodology.					
	Research				
	Grading criteria				
	Criteria	Maximal score	Required score		
	1.         Class attendance           2.         Class activities	5	3		
		<u>15</u> 25	8 14		
	3.         Midterm           4.         Seminar	15	8		
	5. Final exam	40	22		
	Total	100	55		
Assessment methods	Scores and grading				
and grading system <sup>1</sup> :		Grade	Grade		
	Score	(B&H)	(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> :	Learning to Tec , M. (2005). Dia 001). Revolucija u	laktika. Zagreb:			
	Educa. 3. Kyriacou, C. (2001). <i>Temeljna nastavna umijeća</i> . Zagreb: Educa. 4. Glasser, W. (2005). <i>Kvalitetna škola – škola bez prisile</i> . Zagreb: Educa.				

<sup>&</sup>lt;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