

Course ID: HNMI01	Course name: I	DISCOVERY-BASED	LEARNING IN CHEMISTRY
Cycle: SECOND	Year: FIRST	Semester: I	ECTS credits: 4
Course status: ELE		<b>Total course ho</b> Lectures: 30 Laboratory: 30	
Teaching participa	nic	and associates w e subject belongs	ith expertise in the field to
Prerequisite for enrollment:	-		
Course aims:		ion to discovery on in teaching chemis	learning strategy and its stry
Thematic course u	nits: 2. Dis 3. Res 4. Sin 5. Pro 6. Au 7. Res 8. Inf 9. Th 10. Sm	scovery learning search-based chemis nulations ojects in chemistry in thentic tasks flective practice formation and media e importance of cont	nstruction
Learning outcomes	s: Competen • Asse	upport innovative a ming process in chen Create guided tasks lents using variety chods nces: ess the accuracy of s	pproaches that encourage the nistry teaching s and provide examples for of teaching strategies and tudents ideas developed during pocess and provide feedback
Teaching methodo	Oral prese	entation n	

Form SP2

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			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 system <sup>1</sup> :		Score	es and grading	
and grading system		Score	Grade	Grade
			(B&H)	(ECTS)
		< 55	5	F, FX
		55-64 65-74	<u> </u>	E D
		75-84	8	C
		85-94	9	 B
		95-100	10	A
	Mand	atory literature	10	
	2.	Sikirica, M. (2003) <i>Priručnik za nastavni</i> Andrade, M., Richt <i>Smartphones in Scie</i> Science on Stage Do <u>stage</u> .	ike kemije. Zagreb: er, JL., Gutscha ence Teaching – iS	Školska knjiga nk, J. (2014). <i>Itage 2</i> . Berlin:
Literature <sup>2</sup> :	1. 2.	Kehoe, E., & Lee Colorimetric Analysi Cameras: An Activi Chemistry. <i>Journal</i> 1191–1195. Montangero, M. (20 Copper(II) Ions in <i>Journal of Chemical E</i> Polić, M. (2000) <i>nastave</i> , Zagreb: Učit	s with Camera Pho ty for High Scho of Chemical Ed 15). Determining a Solution Using Education 92(7), 17 Spoznajne osobito reljska akademija u ckler, J.S., Woodfie	ones and Digital ool or General <i>ucation 90</i> (9), the Amount of a Smartphone. 59-1762. <i>osti suvremene</i> Zagrebu eld, J.D. (2008).

 $<sup>^{1}</sup>$  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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Student Learning, San Francisco: Jossey-Bass Inc.