



Form SP2

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

Course ID: C	Course name: ACTIVE LEARNING IN CHEMISTRY				
Cycle: SECOND Y	ear: FIRST	Semester: I	ECTS credits: 4		
Course status: ELECT	IVE	Total course hours: 60 Lectures: 30 Laboratory: 30			
Teaching participant	C. I	Teachers and associates with expertise in the field to which the subject belongs			
Prerequisite for enrollment:	-				
Course aims:	Training stu instruction	Training students for application of active learning in their instruction			
Thematic course uni	2. Blood 3. Activ 4. Activ 5. Peer 7. Educ 8. Flipp 9. Strat the c 10. Enha	cructivism n's taxonomy of the cognitive domain e teaching strategy e learning strategy learning in teams ess Oriented Guided Inquiry Learning (POGIL) ational games ed classroom egies for developing motivation and interest in lassroom ncing understanding using adequate examples			
Learning outcomes:	in the Skills:  • Design active proces • Create collab • Design integr Competence • Apply classre	Knowledge:  • Recognize the advantages of active learning strategies in the chemistry classroom			
Teaching methodolog	gy: Oral present	Oral presentation			

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	Discussion				
	Research				
	Practical exercises				
	Grading criteria				
	Criteria	Maximal score	Required score		
	1. Class attendance	5	3		
	2. Class activities	15	8		
	3. Midterm	15	8		
	4. Seminar	25	14		
	5. Final exam	40	22		
Assessment methods	Total	100	55		
and grading system <sup>1</sup> :	Scores and grading				
and grading system.	Score	Grade	Grade		
	< 55	(B&H) 5	(ECTS)		
	<u> </u>	<u> </u>	F, FX E		
	65-74	7			
	75-84	8	C		
	85-94	9	В		
	95-100	10	A		
Literature <sup>2</sup> :	<ol> <li>Mandatory literature:</li> <li>Kyriacou, C. (2001). Temeljna nastavna umijeća. Zagreb: Educa.</li> <li>Supplementary literature:</li> <li>Anderson, L., Krathwohl, D., Airasian, P., Cruikshank, K., Mayer, R., Pintrich, P., Raths, J., Wittrock, M. (2001). Taxonomy for Learning, Teaching and Assessing: A Revision of Bloom's Taxonomy of Educational Objectives, Abridged Edition. Boston: Pearson.</li> <li>Bonwell, C.C., Eison, J.A. (1991). Active Learning: Creating Excitement in the Classroom. Washington: George Washington University Press</li> <li>Marcy, P.D. (2005). Psychology of Learning for</li> </ol>				
	Instruction. Boston: Pearson.				
	4. Slatina, M. (1	1998). Nastavni me	<i>tod</i> . Sarajevo:		

<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

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