



<b>Course ID:</b> HDOB28	<b>Course name: SELECTED TOPICS IN ORGANIC ANALYSIS</b>		
<b>Cycle:</b> THIRD	<b>Year:</b> FIRST	<b>Semester:</b> II	<b>ECTS credits:</b> 15
<b>Course status:</b> ELECTIVE	<b>Total course hours: 90</b> Lectures: 45 Laboratory: 45		
<b>Teaching participants:</b>	<b>Teachers and associates with expertise in the field to which the subject belongs</b>		
<b>Prerequisite for enrollment:</b>	-		
<b>Course aims:</b>	Acquiring knowledge of analytical methods of separation, and qualitative and quantitative analysis of organic molecules and biomolecules.		
<b>Thematic course units:</b>	<ol style="list-style-type: none"><li>1. Systematic identification of organic components</li><li>2. Preparation of samples for analysis</li><li>3. Separation methods</li><li>4. Spectroscopic methods for identification and quantification of organic compounds</li><li>5. Tandem techniques for separation and analysis of organic compounds</li></ol>		
<b>Learning outcomes:</b>			
<b>Teaching methodology:</b>			
<b>Assessment methods and grading system<sup>1</sup>:</b>	<b>Grading criteria</b>		
	Criteria	Maximal score	Required score
	1. Class attendance	-	-
	2. Class activities	-	-
	3. Seminar	1×50	25
	4. Final exam	1×50	30
	Total	100	55
	<b>Scores and grading</b>		
	Score	Grade (B&H)	Grade (ECTS)
	< 55	5	F, FX
	55–64	6	E
	65–74	7	D
75–84	8	C	
85–94	9	B	

<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

	95-100	10	A
<b>Literature<sup>2</sup>:</b>	<p>Mandatory literature:</p> <ol style="list-style-type: none"> <li>1. Ralph L. Shriner, Christine K. F. Hermann Terence C. Morrill, David Y. Curtin, Reynold C. Fuson, The Systematic Identification of Organic Compounds, 8th Edition, John Wiley &amp; Sons, 2004.</li> <li>2. Leslie D. Field, Sev Sternhell, John R. Kalman, Organic Structures from Spectra, 4th Edition, John Wiley &amp; Sons, 2008.</li> <li>3. Francis Rouessac, Annick Rouessac, Chemical Analysis: Modern Instrumentation Methods and Techniques, 2nd Edition, John Wiley &amp; Sons, 2007.</li> <li>4. Robert M. Silverstein, Francis X. Webster, David Kiemle, Spectrometric Identification of Organic Compounds, 7th Edition, John Wiley &amp; Sons, 2005.</li> <li>5. Manfred Hesse, Herbert Meier, Bernd Zeeh, Spectroscopic Methods in Organic Chemistry, Thieme Medical Pub, 2nd edition, 2007.</li> <li>6. Original scientific papers</li> </ol> <p>Supplementary literature:</p>		

<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