Course ID: HOBI03	**Course name: APPLIED ORGANIC CHEMISTRY**		
Cycle: SECOND	**Year:** FIRST	**Semester:** I	**ECTS credits:** 4
Course status: ELECTIVE		**Total course hours: 60** Lectures: 30 Laboratory: 30	
Teaching participants:	Teachers and associates with expertise in the field to which the subject belongs		
Prerequisite for enrollment:	-		
Course aims:	The aim of the course is to introduce students with the method of application, synthesis and use of organic compounds.		
Thematic course units:	1. Important class of organic compounds that are applied on a large scale in the pharmaceutical industry. Summarised significant reaction for the formation of the new CC, CN bond, different processes of oxidation, reduction, etc. Halogeniranjai 2. Selected topics of applied organic chemistry 3. Industrial methods for the synthesis and conversion of simple organic chemicals (alkenes, dienes, polyenes, alkynes, products have become the carbon monoxide, alcohols, vinyl halides and derivatives, polyamide components, aromatics) 4. Food additives: preservatives, colors, emulsifiers 5. Cosmetics - basic division, purpose and structure 6. Agrochemicals - a division according to the structure and purpose 7. Organic polymers - basic concepts, classification and structure 8. Dyes, pigments, indicators-basic concepts, classification, structure, application 9. Detergents - Basic concepts, classification and structure		
Learning outcomes:	*Knowledge:* Acquisition of knowledge about the synthesis, application and purpose of organic compounds that are often used in everyday life. *Skills:* To enable the student about the theoretical basic concepts, structures and purposes of frequently applicable organic compound.		
Teaching methodology:	Auditory lectures; Laboratory exercises		
Assessment methods and grading system[1]:	Grading criteria		
	Criteria	Maximal score	Required score
	1. Class attendance	5	3

[1]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

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<tr><td>2.</td><td>Class activities</td><td>20</td><td>10</td></tr>
<tr><td>3.</td><td>Midterms</td><td>35</td><td>20</td></tr>
<tr><td>4.</td><td>Final exam</td><td>40</td><td>22</td></tr>
<tr><td colspan="2">Total</td><td>100</td><td>55</td></tr>
<tr><td colspan="4">Scores and grading</td></tr>
<tr><td colspan="2">Score</td><td>Grade (BiH)</td><td>Grade (ECTS)</td></tr>
<tr><td colspan="2">< 55</td><td>5</td><td>F, FX</td></tr>
<tr><td colspan="2">55–64</td><td>6</td><td>E</td></tr>
<tr><td colspan="2">65–74</td><td>7</td><td>D</td></tr>
<tr><td colspan="2">75–84</td><td>8</td><td>C</td></tr>
<tr><td colspan="2">85–94</td><td>9</td><td>B</td></tr>
<tr><td colspan="2">95–100</td><td>10</td><td>A</td></tr>
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<tr><td>Literature[2]:</td><td>Mandatory literature:
1. Furniss B.S., Hannaford, A.J., Smith, P. W. G., Tatchell, A.R, (1995) Vogel´s, Textbook of Practical Organic Chemistry, 5 th Ed., Longman Scientific & Technical, Longman Group, UK.
2. Sharp, J.T., Gosney, I., Rowley, G. (1989) Practical Organic Chemistry, a student handbook of techiques, Chapman & Hall
Supplementary literature:
1. Nikolin, A., Nikolin, B. (1984) Praktikum organske hemije, Svjetlost Sarajevo
2. Skoog, D., West, D., Holler, F. (2003) Fundamentals of Analitical Chemistry, 8 th Ed., Brooks Cole</td></tr>
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[2]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