Course ID: HOBI11	**Course name: SEPARATION METHODS IN ORGANIC CHEMISTRY**		
Cycle: SECOND	**Year: FIRST**	**Semester: I**	**ECTS credits: 6**
Course status: ELECTIVE		**Total course hours: 90** Lectures: 60 Laboratory: 30	

Teaching participants:	**Teachers and associates with expertise in the field to which the subject belongs**
Prerequisite for enrollment:	NO
Course aims:	The aim of this course is to acquaint the student with the specific methods of isolation, identification and synthesis of specific classes of natural products
Thematic course units:	1. Classifications of separation method 2. Distillation 3. Extraction 4. Chromatography 5. Electrophoresis 6. Centrifugation 7. Coupled techniques 8. Choosing the appropriate separation methods (basic criteria)
Learning outcomes:	Knowledge: The student knows the separation methods and chooses the appropriate ones for the analysis of selected compounds. Skills: He is able to use and search the scientific literature related to the topic of separation of different heterogeneous mixtures
Teaching methodology:	Classroom lectures and laboratory exercises
Assessment methods and grading system[1]:	Grading criteria

	Criteria	Maximal score	Required score
1.	Class attendance	5	3
2.	Class activities	10	5
3.	Midterms	45	25
4.	Final exam	40	22

[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

	Total 100 55 Scores and grading 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 95–100 / 10 / A
Literature[2]:	Mandatory literature: 1. Ahuja, S. (2002) Chromatography and Separation Science (SST) (Separation Science and Technology), Academic Press 2. Rouessac, F., Rouessac, A. (2000) Chemical Analysis: Modern Instrumentation Methods and Techniques, John Wiley & Sons. 3. Encyclopaedia on separation science, Academic Press, 2000 Supplementary literature: 1. Vogel's Textbook of Practical Organic Chemistry (5th Ed), Prentice Hall, 1996 2. Sharp, J.T., Gosney, I., Rowley, A. G. (1989) Practical organic chemistry, Chapman and Hall

[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