

Course ID: HDFH26	Cour	Course name: RADIONUCLIDES IN METABOLIC PROCESSES			
Cycle: THIRD	Year	: FIRST	Semester: II	ECTS cre	dits: 15
Course status: ELECTIVE		1	Total course ho Lectures: 45 Laboratory: 45	urs: 90	
Teaching participants:		Teachers and associates with expertise in the field to which the subject belongs			
Prerequisite for enrollment:		-			
Course aims:		The aim of the module is to explain to students the pharmacokinetics of radionuclides, as well as the application of radionuclides in the treatment of many diseases.			
Thematic course units:		 Production of radionuclides Pharmacokinetics and modeling Synthesis and application of radiopharmaceuticals for PET method Synthesis of radiopharmaceuticals designated I131 Application of scintigraphy techniques Synthesis of drug and enzyme labeling Application of PET in labeling brain receptors and enzymes 			
Learning outcomes	5:				
Teaching methodo	logy:				
-		Grading criteria			
Assessment methods		1.Midterm2.Seminar3.Final exa	Criteria ss paper am	Maximal score 30 30 40 100	Required score 16,5 16,5 22
		Note: Class activity is scored through student work on exercises			
and grading system	1 ¹ :		Scores ar	nd grading	
	- •		Score	Grade (BiH)	Grade (ECTS)
		<u></u>	< 55	5	F, FX
			55-64	6	Е
			65-74	7	D
			75-84	8	С

¹The 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

Form SP2

UNIVERSITY OF SARAJEVO- FACULTY OF SCIENCE Department of Chemistry

	85-94	9	В
	95-100	10	А
Literature ² :	Supplementary literatures 1. M. J.Welch, C. S.Rec Radiopharmaceuticals, Ra Wiley Inc.USA, 2003 2. S.Vallabhajosula, Radiopharmaceuticals for 3. T. Stigbrand,J. Radionuclide Tumor Tera	lvanly, Handbook o diochemistry and Molecular PET and SPECT, S Carlsson, G.P. phy, Springer, 200	of Applications, Imaging, pringer, 2009 Adams,Targeted 98

²The 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