

Years	Semester	No.	Course unit code	Full name of the course unit (course projects, practical trainings)	Form of control	Teaching hours per week		Overall teaching hours per semester	Credits		
						L	S				
FIRST	FIRST	1.	172161	<i>Required:</i> Biotechnologies for treatment of inorganic industrial wastes	E	3	3	90	5,0		
		2.	172127	Environmental chemistry	E	3	3	90	5,0		
		3.	172150	Reactors in biotechnology	E	3	3	90	5,0		
		4.	172151	Automation of biotechnological processes	E	3	3	90	5,0		
	<i>Overall for the 1st semester:</i>						12	12	360	20	
	SECOND	SECOND	5.	172162	<i>Required:</i> Biotechnologies for microbial metabolites	E	3	3	90	5,0	
			6.	172163	Biotechnologies for detoxication of organic pollutants	E	3	3	90	5,0	
			7.	362220	Modelling of biotechnological processes	E	3	3	90	5,0	
			<i>Elective course (one out of):</i>				E				
			8.		Cultivation of industrial microorganisms Biosensors and bioindicators						
9.			172254 172258			E	3 3	3 3	90 90	5,0 5,0	
<i>Overall for the 2nd semester:</i>						15	15	450	25		
SECOND	THIRD			Pre-diploma practice and Diploma Thesis defence					15		
OVERALL TEACHING HOURS AND CREDITS ACCORDING TO ECTS FOR THE FULL COURSE OF STUDY						27	27	810	60		