Subjects	Semesters (courses/week) / (courses/semester)						Credit	evaluation
	1.	2.	3.	4.	5.	6.		
Soft skills for biotechnology								
General and biotechnological economy and management (lec.)		*1/14*					1	exam
General and biotechnological economy and management (sem.)		*1/14*					1	
European Union epistemology in biotechnology (sem.)	*1/14*						1	practice grade
Bioethics (sem.)		*1/14*					1	practice grade
Communication (sem.)				*1/14*			1	practice grade
Basic Module								
Physical and biophysical foundation of biotechnology I. (lec.)	*1/14*						2	exam
Physical and biophysical foundation of biotechnology I. (sem.)	*1/14*						1	
Physical and biophysical foundation of biotechnology I. (pract.)	*2/28*						2	
Physical and biophysical foundation of biotechnology II. (lec.)		*1/14*					2	exam
Physical and biophysical foundation of biotechnology II. (sem.)		*1/14*					1	
Physical and biophysical foundation of biotechnology II. (pract.)		*2/28*					2	
Physical chemistry (lec.)	*1/14*						1	exam
Physical chemistry (pract.)	*2/28*						4	
Biotechnology on the border of physics and chemistry (lec.)		*1/14*					1	exam
Biotechnology on the border of physics and chemistry (pract.)		*1/14*					2	
General chemistry (lec.)	*2/28*						2	exam
General chemistry (sem.)	*1/14*						1	
General chemistry (pract.)	*1/14*						1	
Inorganic chemistry (lec.)	*2/28*						2	exam
Inorganic chemistry (pract.)	*2/28*						2	
Analitical chemisty (lec.)			*1/14*				1	exam
Analitical chemisty (sem.)			*1/14*				1	
Analitical chemisty (pract.)			*2/28*				2	
Organic chemistry (lec.)		*2/28*					2	exam
Organic chemistry (sem.)		*1/14*					1	

Subjects	Semesters (courses/week) / (courses/semester)						Credit	evaluation
	1.	2.	3.	4.	5.	6.		
Organic chemistry (pract.)		1/14					2	
Mathematical foundation of biostatistics (sem.)	1/14						2	practice grade
Mathematical foundation of biostatistics (pract).	2/28						2	
Mathematical and biostatistical foundation of biotechnology (lec.)		2/28					2	exam
Mathematical and biostatistical foundation of biotechnology (sem.)		1/14					1	
Mathematical and biostatistical foundation of biotechnology (pract.)		2/28					2	
	Specialised Core Module							
Cell biology (lec.)	1/14						1	exam
Cell biology (sem.)	1/14						2	
Cell biology (pract.)	2/28						2	
Genetic background of gene manipulation I. (lec.)			2/28				2	exam
Genetic background of gene manipulation I. (pract.)			2/28				4	
Genetic background of gene manipulation II. (lec.)				1/14			1	exam
Genetic background of gene manipulation II. (sem.)				1/14			2	
Genetic background of gene manipulation II. (pract.)				2/28			4	
Biochemistry I. (lec.)		1/14					1	exam
Biochemistry I. (sem.)		2/28					2	
Biochemistry II. (lec.)			1/14				1	exam
Biochemistry II. (sem.)			1/14				1	
Biochemistry II. (pract.)			2/28				2	
Omics methods (lec.)						1/14	1	exam
Omics methods (sem.)						1/14	1	
Omics methods (pract.)						2/28	2	
General microbiology (lec.)		1/14					1	exam
General microbiology (sem.)		2/28					2	
Biomedical microbiology (lec.)			1/14				1	exam
Biomedical microbiology (pract.)			2/28				2	

Subjects	Semesters (courses/week) / (courses/semester)						Credit	evaluation
	1.	2.	3.	4.	5.	6.		
Immunology (lec.)				*2/28*			2	exam
Immunology (sem.)				*1/14*			1	
Immunology (pract.)				*2/28*			2	
Physiology of plants and herbs (lec.)			*1/14*				1	exam
Physiology of plants and herbs (sem.)			*1/14*				1	
Physiology of plants and herbs (pract.)			*2/28*				2	
Experimental animals in biotechnology (lec.)			*1/14*				1	exam
Experimental animals in biotechnology (sem.)			*1/14*				2	
Experimental animals in biotechnology (pract.)			*1/14*				1	
Human physiology (lec.)			*2/28*				2	exam
Human physiology (pract.)			*2/28*				4	
Informatics and bioinformatics I. (sem.)				*2/28*			2	practice grade
Informatics and bioinformatics I. (pract.)				*2/28*			2	
Informatics and bioinformatics II. (sem.)					*2/28*		2	practice grade
Informatics and bioinformatics II. (pract.)					*2/28*		2	
Specialty module in Biotechnology								
Molecular biology and gene technology I. (lec.)				*2/28*			2	exam
Molecular biology and gene technology I. (sem.)				*1/14*			2	
Molecular biology and gene technology I. (pract)				*2/28*			4	
Molecular biology and gene technology II. (lec.)					*2/28*		2	exam
Molecular biology and gene technology II. (sem.)					*1/14*		2	
Molecular biology and gene technology II. (pract.)					*2/28*		4	
Modern analitical devices (lec.)				*1/14*			1	exam
Modern analitical devices (pract.)				*2/28*			4	
Pharmaceutical and medical biotechnology (lec.)					*2/28*		2	exam
Pharmaceutical and medical biotechnology (sem.)					*1/14*		1	
Pharmaceutical and medical biotechnology (pract.)					*2/28*		4	

Subjects	Semesters (courses/week) / (courses/semester)						Credit	evaluation
	1.	2.	3.	4.	5.	6.		
Environmental biotechnology (lec.)						*1/14*	*1*	exam
Environmental biotechnology (sem.)						*1/14*	*1*	
Environmental biotechnology (pract.)						*1/14*	*1*	
Agricultural biotechnology (lec.)					*1/14*		1	exam
Agricultural biotechnology (sem.)					*1/14*		2	
Industrial biotechnology (lec.)					*1/14*		1	exam
Industrial biotechnology (sem.)					*1/14*		2	
Industrial biotechnology (pract.)					*1/14*		2	
Quality assurance, biosafety (sem.)						*2/28*	*2*	practice grade
Experimental data science (sem.)						*1/14*	*1*	practice grade
Experimental data science (pract.)						*1/14*	*2*	
	Thesis preparation and practice module							
Thesis I		1/14					1	practice grade
Thesis II			1/14				1	practice grade
Thesis III				2/28			2	practice grade
Thesis VI					4/56		4	practice grade
Thesis VI						4/56	4	practice grade
Professional practice in biotechnology						4/56	4	practice grade
Optional subjects	1/14			1/14		*7/98*	9	exam
Total credit points / semester	**29 credit points**	**27 credit points**	**31 credit points**	**31 credit points**	**37 credit points**	**25 credit points**	**Total credit points:**	**180 credit points**