

Semesters and year of studies timetables

	Code	Course title	Sem	L	E	Oth	R	ECTS
FIRST YEAR								
1	B101	Biology with human genetics	I	45	30			5
2	B102	Human functional morphology	I	45	30			5
3	B103	General and inorganic chemistry	I	60	30			5
4	B106	Organic chemistry	I	60	30			7
5	B104	Physics	I	30	15			3
6	B105	Mathematics	I	30	30			4
7		Elective block 1 (1/2)	I	0	30			2
Total number in the first semester				270	195			31
8	B1010	Bioorganic chemistry	II	30	30			6
9	B1011	Physical Chemistry	II	45	15			5
10	B108	Physiology 1	II	45	30			5
11	B109	Analytical Chemistry 1	II	30	30			4
12	B107	Introduction to medical biochemistry	II	15	45			5
13		Elective block 2 (1/2)	II	30	15			4
Total number in the second semester				195	165			29
Total number in the first year				465	360			60
SECOND YEAR								
14	B201	Physiology 2	III	45	15			5
15	B203	Instrumental Methods	III	45	45			6
16	B202	Analytical Chemistry 2	III	45	45			5
17	B205	General Biochemistry	III	45	45			8
18	B204	Immunology with Immunochemistry	III	45	45			6
Total number in the third semester				225	195			30
19	B205	General Biochemistry	IV	30	45			6
20	B207	Pharmacology 1	IV	30	15			4
21	B206	Pharmaceutical Chemistry	IV	60	15			6
22	B208	Pathophysiology 1	IV	30	30			5
23	B209	Microbiology	IV	60	30			6
24		Elective block 3 (1/2)	IV	30	15			3
Total number in the fourth semester				240	150			30
Total number in the second year				465	345			60
THIRD YEAR								
25	B301	Pharmacology 2	V	45	30			6
26	B302	Pathophysiology 2	V	30	30			5
27	B303	Bromatology	V	60	60			8
28	B304	Medical biochemistry	V	60	105			10
29	B305	Haematology	V	30	15			4
Total number in the fifth semester				225	240			33
30	B308	Pharmacology 3	VI	45	15			5

	Code	Course title	Sem	L	E	Oth	R	ECTS
31	B3O6	Statistics	VI	30	15			3
32	B3O4	Medical biochemistry	VI	60	105			10
33	B3O7	Laboratory hematology	VI	30	30			4
34		Elective block 4 (1/2)	VI	15	15			2
35		Elective block 5 (1/2)	VI	30	15			3
Total number in the sixth semester				210	195			27
Total number in the third year				435	435			60
FOURTH YEAR								
36	B4O1	Pharmacokinetics	VII	45	45			6
37	B4O3	Clinical Enzymology	VII	45	45			5
38	B4O2	Toxicology	VII	30	45			5
39	B4O4	Laboratory hemostasis	VII	30	15			4
40	B4O5	Laboratory Endocrinology	VII	30	15			3
41	B4O6	Laboratory statistics	VII	30	30			4
42		Elective block 6 (1/2)	VII	30	15			3
Total number in the seventh semester				240	210			30
43	B4O7	Dietetics	VIII	30	30			4
44	B4O2	Toxicology	VIII	60	75			8
45	B4O8	Clinical chemistry with molecular diagnostics 1	VIII	45	60			7
46	B4O9	Food Safety Control 1	VIII	30	30			5
47		Elective block 7 (1/2)	VIII	30	15			3
48		Elective block 8 (1/2)	VIII	30	15			3
Total number in the eighth semester				225	210			30
Total number in the fourth year				465	435			60
FIFTH YEAR								
49	B5O1	Analyses in clinical toxicology	IX	30	60			5
50	B5O2	Clinical chemistry with molecular diagnostics 2	IX	60	75			10
51	B5O3	Food Safety Control 2	IX	30	30			5
52		Elective block 9 (1/2)	IX	30	15			4
53		Elective block 10 (1/2)	IX	30	15			4
54		Elective block 11 (1/2)	IX	30	15			4
Total number in the ninth semester				210	210			32
55		Elective block 12 (1/2)	X	30	15			4
56	BCП	Professional Practice	X	0	0	300		10
57	B3P	Final work	X	0	0	0	150	14
Total number in the tenth semester				30	15	300	150	28
Total number in the fifth year				240	225	300	150	60

List of elective courses

	Code	Course title	Sem	L	E	ECTS
Elective block 1 (1/2)						
1	B1I3	Foreign Language for Pharmacy	I	0	30	2
2	B1I1	Introduction to Laboratory Work	I	0	30	2
Elective block 2 (1/2)						
3	B1I2	Selected topics in Organic chemistry	II	30	15	4
4	B1I4	Application of Information Technology in Medical Biochemistry	II	30	15	4
Elective block 3 (1/2)						
5	B2I1	Selected topics in Physiology	IV	30	15	3
6	B2I2	Colloid chemistry	IV	30	15	3
Elective block 4 (1/2)						
7	B3I1	Free radicals and antioxidants-laboratory diagnostics	VI	15	15	2
8	B3I3	Selected chapters of laboratory microbiology	VI	15	15	2
Elective block 5 (1/2)						
10	B3I4	Substances of abuse with analytics	VI	30	15	3
Elective block 6 (1/2)						
11	B4I1	Ethics and Legislation	VII	30	15	3
12	B4I4	Ecotoxicology	VII	30	15	3
Elective block 7 (1/2)						
13	B4I2	Acute Drug Poisoning with Analytics	VIII	30	15	3
14	B4I3	Laboratory Diagnosis of reproductive endocrine disorders	VIII	30	15	3
Elective block 9 (1/2)						
17	B5I1	Prenatal diagnostic and screening in pregnancy	IX	30	15	4
18	B5I2	Toxicology in practice	IX	30	15	4
Elective block 10 (1/2)						
19	B5I3	Chemical carcinogens	IX	30	15	4
20	B5I4	Biochemistry of sport	IX	30	15	4
Elective block 11 (1/2)						
21	B5I5	Laboratory management and quality assurance	IX	30	15	4
22	B5I6	Modern Methods in Medical Biochemistry	IX	30	15	4
Elective block 12 (1/2)						
23	B5I9	Laboratory Diagnostics of the Disorders in Paediatric Population	X	30	15	4
24	B5I8	Objects for General Use Safety Control	X	30	15	4