

Drug Analysis

Code		Course title	Semester	Course status	Active classes				ECTS
					Weekly		Semesterly		
					L	R	L	R	
First Year									
1	Д1031	Methodology of scientific research	I	MC	2	2	30	30	5
2	Д1032	Statistics in research	I	MC	2	2	30	30	5
3	Д1033	Seminar 1	I	MC	2	4	30	60	5
4	ДАЛ10М1	Principles of Modern Pharmaceutical Analysis	I	MM	4	4	60	60	10
5	ДАЛ10М2	Chemometrics in Drug Analysis	I	MM	2	2	30	30	5
6	Д1034	Seminar 2	II	MC	2	4	30	60	5
7	ДАЛ10М3	Separation Methods in Drug Analysis	II	MM	4	4	60	60	10
8 9	Elective Block 1-2		II	E	4	4	60	60	10
	ДАЛ11И1	Multivariate Analysis in Drug Analysis							
	ДАЛ11И2	Quantitative Structure–Retention Relationships							
	ДАЛ11И3	Biological Material for Biopharmaceutical Testing							
	ДАЛ11И4	Chiral Drug Analysis							
	ДАЛ11И5	Conducting Research in the Analysis of Medical Devices							
	ДАЛ11И6	Spectroscopic Methods in Drug Analysis							
ДАЛ11И7	Thermal Analysis Methods in Drug Analysis								
10		Research	II					5	
Total in first year:					22	26	330	390	60
Second Year									
11	Д2031	Seminar 3	III	MC	2	4	30	60	5
12	ДАЛ20М1	Method Development Strategy for Drug Analysis	III	MM	2	2	30	30	5
13 14	Elective Block 3-4		III	E	4	4	60	60	10
	ДАЛ2И1	Arificial Neural Networks							
	ДАЛ2И2	Evolutionary Algorithms in Drug Analysis							
	ДАЛ2И3	Proteomic, Metabolomic and (Pharmaco)metabonomic Analysis							
	ДАЛ2И4	Pharmacological Profile of the Drug							
	ДАЛ2И5	Advanced Pharmaceutical Dosage Forms							
	ДАЛ2И6	Biological Drug Analysis							
ДАЛ2И7	Drug analysis in Pharmacokinetics Investigation								

15		Research	III						10
16	Д2О32	Seminar 4	IV	MC	2	4	30	60	5
17		Defense of doctoral dissertation theme proposal	IV	M	0	15	0	225	10
18		Research	IV						15
Total in second year:					10	29	150	435	60
Third Year									
19		Research work	V		0	20	0	300	5
20		Research	V						25
21		Research work	VI		0	20	0	300	5
22		Research	VI						25
Total in third year:					0	40	0	600	60

Active classes: L-Lectures, R-Research work.

Code		Course title	Semester	Course status	Active classes				ECTS
					Weekly		Semesterly		
					L	R	L	R	
First Year									
1	Д1О31	Methodology of scientific research	I	MC	2	2	30	30	5
2	Д1О32	Statistics in research	I	MC	2	2	30	30	5
3	Д1О33	Seminar 1	I	MC	2	4	30	60	5
4	ДБР1ОМ1	Food Chemistry I	I	MM	4	4	60	60	10
5	ДБР1ОМ2	Food Analysis	I	MM	2	2	30	30	5
6	Д1О34	Seminar 2	II	MC	2	4	30	60	5
7	ДБР1ОМ3	Food Chemistry II	II	MM	4	4	60	60	10
8	ДБР1ОМ4	Dietetics	II	MM	2	2	30	30	5
9 10	Elective Block 1-2								
	ДБР1И1	Selected chapters of Organic Chemistry	II	E	2	2	30	30	5
	ДБР1И2	Physiology - Selected chapters							
	ДБР1И3	Selected Instrumental Methods							
	ДБР1И4	Nutritional biochemistry							
11		Research	II						5
Total in first year:					22	26	330	390	60
Second Year									
12	Д2О31	Seminar 3	III	MC	2	4	30	60	5
13	ДБР2ОМ1	Food Safety	III	MM	4	4	60	60	10
14 15	Elective Block 3-4								
	ДБР2И1	Biologically Active Food Compounds	III	E	2	2	30	30	5
	ДБР2И2	Food intolerances and nutritive metabolic disorders							
	ДБР2И3	Food lipids							
	ДБР2И4	Effects of processing on food quality and safety							
16		Research	III						10
17	Д2О32	Seminar 4	IV	MC	2	4	30	60	5
18		Defense of doctoral dissertation theme proposal	IV	M	0	15	0	225	10
19		Research	IV						15
Total in second year:					10	29	150	435	60
Third Year									

20		Research work	V		0	20	0	300	5
21		Research	V						25
22		Research work	VI		0	20	0	300	5
23		Research	VI						25
Total in third year:					0	40	0	600	60

Active classes: L-Lectures, R-Research work.

Cosmetology

Code		Course title	Semester	Course status	Active classes				ECTS
					Weekly		Semesterly		
					L	R	L	R	
First Year									
1	Д1031	Methodology of scientific research	I	MC	2	2	30	30	5
2	Д1032	Statistics in research	I	MC	2	2	30	30	5
3	Д1033	Seminar 1	I	MC	2	4	30	60	5
4	ДКО1ОМ1	Cosmetic ingredients	I	MM	4	4	60	60	10
5	ДКО1ОМ2	Theoretical aspects of cosmetic emulsions and gels	I	MM	2	2	30	30	5
6	Д1034	Seminar 2	II	MC	2	4	30	60	5
7	ДКО1ОМ3	Formulation and characterization of cosmetic emulsions and gels	II	MM	4	4	60	60	10
8, 9	Elective Block 1-2								
	ДКО1И1	Physiological aspects of skin aging	II	E	4	4	60	60	10
	ДКО1И2	Preformulation of cosmetic products							
	ДКО1И3	Preparation and application of plant extracts in cosmetic products							
	ДКО1И4	Analytics and quality control of cosmetic products							
10		Research	II						5
Total in first year:					22	26	330	390	60
Second Year									
11	Д2031	Seminar 3	III	MC	2	4	30	60	5
12, 13	Elective Block 3-4								
	ДКО2И1	Selected chapters of dermatology	III	E	4	4	60	60	10
	ДКО2И2	Dermocosmetic preparations							
	ДКО2И3	Special-purposes cosmetics							
	ДКО2И4	Cosmetic hair products							
14	Elective Block 5								
	ДКО2И5	In vitro/in vivo efficacy and safety studies in cosmetology	III	E	2	2	30	30	5
	ДКО2И6	Sensory assessment of cosmetic products with the applied statistics							
17		Research	III						10
18	Д2032	Seminar 4	IV	MC	2	4	30	60	5
19		Defense of doctoral dissertation theme proposal	IV	M	0	15	0	225	10
20		Research	IV						15

Total in second year:					10	29	150	435	60
Third Year									
21		Research work	V		0	20	0	300	5
22		Research	V						25
23		Research work	VI		0	20	0	300	5
24		Research	VI						25
Total in third year:					0	40	0	600	60

Active classes: L-Lectures, R-Research work.

Medical Biochemistry

Code		Course title	Semester	Course status	Active classes				ECTS
					Weekly		Semesterly		
					L	R	L	R	
First Year									
1	Д1031	Methodology of scientific research	I	MC	2	2	30	30	5
2	Д1032	Statistics in research	I	MC	2	2	30	30	5
3	Д1033	Seminar 1	I	MC	2	4	30	60	5
4	ДМБ1ОМ1	General Biochemistry	I	MM	4	4	60	60	10
5	ДМБ1ОМ2	Medical Biochemistry	I	MM	2	2	30	30	5
6	Д1034	Seminar 2	II	MC	2	4	30	60	5
7	ДМБ1ОМ1	General Biochemistry	II	MM	2	2	30	30	5
8	ДМБ1ОМ2	Medical Biochemistry	II	MM	4	4	60	60	10
9	Elective Block 1								
	ДМБ1И1	Clinical enzymology	II	E	2	2	30	30	5
	ДМБ1И2	Laboratory hematology							
	ДМБ1И3	Selected Topics in Immunochemistry							
10		Research	II						5
Total in first year:					22	26	330	390	60
Second Year									
11	Д2031	Seminar 3	III	MC	2	4	30	60	5
12	ДМБ2ОМ1	Selected Topics in Medical Biochemistry	III	MM	4	4	60	60	10
13	Elective Block 2								
	ДМБ2И1	Biochemical Tests in Prenatal Diagnosis	III	E	2	2	30	30	5
	ДМБ2И2	Methods in Molecular Biology							
	ДМБ2И3	Laboratory Endocrinology							
14		Research	III						10
15	Д2032	Seminar 4	IV	MC	2	4	30	60	5
16		Defense of doctoral dissertation theme proposal	IV	M	0	15	0	225	10
17		Research	IV						15
Total in second year:					10	29	150	435	60
Third Year									
18		Research work	V		0	20	0	300	5
19		Research	V						25

20		Research work	VI		0	20	0	300	5
21		Research	VI						25
Total in third year:					0	40	0	600	60

Active classes: L-Lectures, R-Research work.

Social Pharmacy and Pharmacy Practice Research

Code		Course title	Semester	Course status	Active classes				ECTS
					Weekly		Semesterly		
					L	R	L	R	
First Year									
1	Д1031	Methodology of scientific research	I	MC	2	2	30	30	5
2	Д1032	Statistics in research	I	MC	2	2	30	30	5
3	Д1033	Seminar 1	I	MC	2	4	30	60	5
4	ДСФ10М1	Social Pharmacy	I	MM	4	4	60	60	10
5	ДСФ10М2	Pharmaceutical administration	I	MM	2	2	30	30	5
6	Д1034	Seminar 2	II	MC	2	4	30	60	5
7	ДСФ10М3	Pharmacy Practice	II	MM	6	6	90	90	15
8	Elective Block 1								
	ДСФ1И1	Methodology in social pharmacy and pharmacy practice	II	E	2	2	30	30	5
	ДСФ1И2	Integratided communication in pharmacy practice							
	ДСФ1И3	Biomedical ethics							
	ДСФ1И4	History of Pharmacy							
9		Research	II						5
Total in first year:					22	26	330	390	60
Second Year									
10	Д2031	Seminar 3	III	MC	2	4	30	60	5
11	ДСФ10М3	Pharmacy Practice	III	MM	4	4	60	60	10
12, 13	Elective Block 2								
	ДСФ2И1	Medication management and rational use of medicines	III	E	2	2	30	30	5
	ДСФ2И2	Selected chapter of pharmacotherapy							
	ДСФ2И3	Pharmaceutical and Healthcare Quality systems							
	ДСФ2И4	Health outcomes and modelling research							
14		Research	III						10
15	Д2032	Seminar 4	IV	MC	2	4	30	60	5
16		Defense of doctoral dissertation theme proposal	IV	M	0	15	0	225	10
17		Research	IV						15
Total in second year:					10	29	150	435	60
Third Year									
18		Research work	V		0	20	0	300	5

19		Research	V						25
20		Research work	VI		0	20	0	300	5
21		Research	VI						25
Total in third year:					0	40	0	600	60

Active classes: L-Lectures, R-Research work.

Toxicology

Code		Course title	Semester	Course status	Active classes				ECTS
					Weekly		Semesterly		
					L	R	L	R	
First Year									
1	Д1О31	Methodology of scientific research	I	MC	2	2	30	30	5
2	Д1О32	Statistics in research	I	MC	2	2	30	30	5
3	Д1О33	Seminar 1	I	MC	2	4	30	60	5
4	ДТО1ОМ1	Toxicology-Selected Topics	I	MM	4	4	60	60	10
5	ДТО1ОМ2	Principles of use of animals for scientific purposes	I	MM	2	2	30	30	5
6	Д1О34	Seminar 2	II	MC	2	4	30	60	5
7	ДТО1ОМ3	Mechanisms of Toxicity	II	MM	4	4	60	60	10
8 9	Elective Block 1-2								
	ДТО1И1	Ecotoxicology	II	E	4	4	60	60	10
	ДТО1И2	Occupational Toxicology	II						
	ДТО1И3	Analytical toxicology	II						
	ДТО1И4	Toxicological Risk Assessment	II						
10		Research	II						5
Total in first year:					22	26	330	390	60
Second Year									
11	Д2О31	Seminar 3	III	MC	2	4	30	60	5
12	ДТО2ОМ1	Models and Methods in Toxicology	III	MM	2	2	30	30	5
13 14	Elective Block 3-4								
	ДТО2И1	Toxicology of Drugs and Controlled Psychoactive Substances	III	E	4	4	60	60	10
	ДТО2И2	Food Toxicology							
	ДТО2И3	Toxicology of Metals							
	ДТО2И4	Toxicology of Pesticides							
	ДТО2И5	Toxicology of Organic Solvents							
	ДТО2И6	Toxicology of Persistent Organic Pollutants							
15		Research	III						10
16	Д2О32	Seminar 4	IV	MC	2	4	30	60	5
17		Defense of doctoral dissertation theme proposal	IV	M	0	15	0	225	10
18		Research	IV						15
Total in second year:					10	29	150	435	60

Third Year									
19		Research work	V		0	20	0	300	5
20		Research	V						25
21		Research work	VI		0	20	0	300	5
22		Research	VI						25
Total in third year:					0	40	0	600	60

Active classes: L-Lectures, R-Research work.

Pharmacokinetics and Clinical Pharmacy

	Code	Course title	Semester	Course status	Active classes				ECTS
					Weekly		Semesterly		
					L	R	L	R	
First Year									
1	Д1031	Methodology of scientific research	I	MC	2	2	30	30	5
2	Д1032	Statistics in research	I	MC	2	2	30	30	5
3	Д1033	Seminar 1	I	MC	2	4	30	60	5
3	ДФК10М1	Pharmacokinetics and metabolism during drug development and drug use	I	MM	4	4	60	60	10
4	ДФК10М2	Selected chapters of clinical pharmacy	I	MM	2	2	30	30	5
5	Д1034	Seminar 2	II	MC	2	4	30	60	5
6	ДФК10М2	Selected chapters of clinical pharmacy	II	MM	2	2	30	30	5
7, 8	Elective Block 1								
	ДФК1И1	Planning pharmacokinetic studies	II	E	6	6	90	90	15
	ДФК1И2	Pharmacokinetic drug variability							
	ДФК1И3	Drug interactions and adverse outcomes, drug safety and pharmacovigilance							
	ДФК1И4	Planning of clinical studies in clinical pharmacy research							
	ДФК1И5	Selected chapters of pharmacology							
9		Research	II						5
Total in first year:					22	26	330	390	60
Second Year									
10	Д2031	Seminar 3	III		2	4	30	60	5
11	Elective Block 3-4								
	ДФК2И1	Methodology in pharmacokinetic studies and methodological aspects during modelling process	III	E	6	6	90	90	15
	ДФК2И2	Methodology in clinical pharmacy research							
	ДФК2И3	Pharmacokinetics of biological drugs							
	ДФК2И4	Monitoring of adherence, efficacy and safety							
12		Research	III						10
13	Д2032	Seminar 4	IV	MC	2	4	30	60	5
14		Defense of doctoral dissertation theme proposal	IV	M	0	15	0	225	10
15		Research	IV						15
Total in second year:					10	29	150	435	60

Third Year									
16		Research work	V		0	20	0	300	5
17		Research	V						25
18		Research work	VI		0	20	0	300	5
19		Research	VI						25
Total in third year:					0	40	0	600	60

Active classes: L-Lectures, R-Research work.

Pharmacognosy

	Code	Course title	Semester	Course status	Active classes				ECTS
					Weekly		Semesterly		
					L	R	L	R	
First Year									
1	Д1О31	Methodology of scientific research	I	MC	2	2	30	30	5
2	Д1О32	Statistics in research	I	MC	2	2	30	30	5
3	Д1О33	Seminar 1	I	MC	2	4	30	60	5
4	ДФГ1ОМ1	Advanced Course of Pharmacognosy 1	I	MM	4	4	60	60	10
5	ДФГ1ОМ2	Determination of Structure of Plant Secondary Metabolites	I	MM	2	2	30	30	5
6	Д1О34	Seminar 2	II	MC	2	4	30	60	5
7	ДФГ1ОМ3	Advanced Course of Pharmacognosy 2	II	MM	2	2	30	30	5
8	ДФГ1ОМ4	Screening of Pharmacological Activity of Plant Isolates	II	MM	2	2	30	30	5
9, 10	Elective Block 1-2								
	ДФГ1И1	Selected Chapters of Botany	II	E	4	4	60	60	10
	ДФГ1И2	Structure and Properties of Secondary Metabolites							
	ДФГ1И3	Selected Chapters of Instrumental Methods							
	ДФГ1И4	Principles of use of animals for scientific purposes							
11		Research	II						5
Total in first year:					22	26	330	390	60
Second Year									
12	Д2О31	Seminar 3	III	MC	2	4	30	60	5
13, 14, 15	Elective Block 3-5								
	ДФГ2И1	Application of GC and HPLC for the Analyses of Plants Isolates	III	E	6	6	90	90	15
	ДФГ2И2	Ecology of Plants							
	ДФГ2И3	Non - medical Application of Herbal Drugs							
	ДФГ2И4	Formulation of Herbal Medicinal Products							
16		Research	III						10
17	Д2О32	Seminar 4	IV	MC	2	4	30	60	5
18		Defense of doctoral dissertation theme proposal	IV	M	0	15	0	225	10
19		Research	IV						15
Total in second year:					10	29	150	435	60
Third Year									
20		Research work	V		0	20	0	300	5

21		Research	V						25
22		Research work	VI		0	20	0	300	5
23		Research	VI						25
Total in third year:					0	40	0	600	60

Active classes: L-Lectures, R-Research work.

Pharmacology

	Code	Course title	Semester	Course status	Active classes				ECTS
					Weekly		Semesterly		
					L	R	L	R	
First Year									
1	Д1О31	Methodology of scientific research	I	MC	2	2	30	30	5
2	Д1О32	Statistics in research	I	MC	2	2	30	30	5
3	Д1О33	Seminar 1	I	MC	2	4	30	60	5
4	ДФА1ОМ1	Mechanisms of drug action	I	MM	4	4	60	60	10
5	ДФА1ОМ2	Principles of use of animals for scientific purposes	I	MM	2	2	30	30	5
6	Д1О34	Seminar 2	II	MC	2	4	30	60	5
7	ДФА1ОМ3	Data processing and analysis in pharmacology	II	MM	2	2	30	30	5
8, 9	Elective Block 1-2								
	ДФА1И1	Pharmacology of nervous system	II	E	6	6	90	90	15
	ДФА1И2	Pharmacology of the Cardiovascular System							
	ДФА1И3	Molecular and Cellular Immunology							
	ДФА1И4	Immunopharmacology							
	ДФА1И5	Molecular and Cellular Physiology							
10		Research	II					5	
Total in first year:					22	26	330	390	60
Second Year									
11	Д2О31	Seminar 3	III	MC	2	4	30	60	5
12, 13	Elective Block 3-4								
	ДФА2И1	Methodology of nervous system pharmacology	III	E	4	4	60	60	10
	ДФА2И2	Methodology of the cardiovascular pharmacology							
	ДФА2И3	Methodology in Immunopharmacological Research							
	ДФА2И4	Methodology in pharmacoepidemiology							
14	Elective Block 5								
	ДФА2И5	Drug discovery and development	III	E	2	2	30	30	5
	ДФА2И6	Pharmacokinetics							
	ДФА2И7	Neuroendocrineimmunemodulation							
	ДФА2И8	Inflammation and Anti-inflammatory Agents							
	ДФА2И9	Molecular Biology							
15		Research	III					10	

16	Д2032	Seminar 4	IV	MC	2	4	30	60	5
17		Defense of doctoral dissertation theme proposal	IV	M	0	15	0	225	10
18		Research	IV						15
Total in second year:					10	29	150	435	60
Third Year									
19		Research work	V		0	20	0	300	5
20		Research	V						25
21		Research work	VI		0	20	0	300	5
22		Research	VI						25
Total in third year:					0	40	0	600	60

Active classes: L-Lectures, R-Research work.

Pharmaceutical Microbiology

	Code	Course title	Semester	Course status	Active classes				ECTS
					Weekly		Semesterly		
					L	R	L	R	
First Year									
1	Д1031	Methodology of scientific research	I	MC	2	2	30	30	5
2	Д1032	Statistics in research	I	MC	2	2	30	30	5
3	Д1033	Seminar 1	I	MC	2	4	30	60	5
4	ДФМ1ОМ1	Microbiology 1	I	MM	4	4	60	60	10
5	ДФМ1ОМ2	Selected topics in organic chemistry	I	MM	2	2	30	30	5
6	Д1034	Seminar 2	II	MC	2	4	30	60	5
7	ДФМ1ОМ3	Microbiology 2	II	MM	4	4	60	60	10
8, 9	Elective Block 1-2								
	ДФМ1И1	Principles of use of animals for scientific purposes	II	E	4	4	60	60	10
	ДФМ1И2	Immune response in infection							
	ДФМ1И3	Resistance to antimicrobial drugs-molecular mechanisms							
	ДФМ1И4	Molecular methods and recombinant biotechnology							
10		Research	II						5
Total in first year:					22	26	330	390	60
Second Year									
11	Д2031	Seminar 3	III	MC	2	4	30	60	5
12	ДФМ2ОМ1	Application of microorganisms in medicine and pharmacy	III	MM	2	2	30	30	5
13, 14	Elective Block 3-4								
	ДФМ2И1	Selected Chapters of Micology	III	E	4	4	60	60	10
	ДФМ2И2	Vaccines							
	ДФМ2И3	Virulence factors of pathogenic microorganisms							
	ДФМ2И4	Laboratory methods in parasitology							
15		Research	III						10
16	Д2032	Seminar 4	IV	MC	2	4	30	60	5
17		Defense of doctoral dissertation theme proposal	IV	M	0	15	0	225	10
18		Research	IV						15
Total in second year:					10	29	150	435	60
Third Year									
19		Research work	V		0	20	0	300	5

20		Research	V						25
21		Research work	VI		0	20	0	300	5
22		Research	VI						25
Total in third year:					0	40	0	600	60

Active classes: L-Lectures, R-Research work.

	Code	Course title	Semester	Course status	Active classes				ECTS
					Weekly		Semesterly		
					L	R	L	R	
First Year									
1	Д1О31	Methodology of scientific research	I	MC	2	2	30	30	5
2	Д1О32	Statistics in research	I	MC	2	2	30	30	5
3	Д1О33	Seminar 1	I	MC	2	4	30	60	5
4	ДФТ1ОМ1	Pharmaceutical preformulation and formulation	I	MM	4	4	60	60	10
5	ДФТ1ОМ2	Theoretical aspects of liquid and semisolid pharmaceutical dosage forms	I	MM	2	2	30	30	5
6	Д1О34	Seminar 2	II	MC	2	4	30	60	5
7	ДФТ1ОМ3	Formulation and characterization of pharmaceutical dosage forms for cutaneous application	II	MM	2	2	30	30	5
8	ДФТ1ОМ4	Theoretical aspects of parenteral and ophthalmic preparations	II	MM	2	2	30	30	5
9, 10	Elective Block 1-2								
	ДФТ1И1	Physico-chemical phenomena and instrumental methods	II	E	4	4	60	60	10
	ДФТ1И2	Formulation and characterization of herbal medicines							
	ДФТ1И3	Pharmacokinetics							
	ДФТ1И4	Pharmaceutical Analysis and Quality Control							
	ДФТ1И5	Drug Stability							
	ДФТ1И6	Application of optimization techniques in Pharmaceutical Technology							
ДФТ1И7	Methodologies in Biopharmaceutical Drug Characterization								
11		Research	II						5
Total in first year:					22	26	330	390	60
Second Year									
12	Д2О31	Seminar 3	III	MC	2	4	30	60	5
13	ДФТ2ОМ1	Theoretical Aspects of Solid Dosage Forms	III	MM	2	2	30	30	5
14	ДФТ2ОМ2	Theoretical Aspects of Modified Release Dosage Forms/Drug Delivery Systems	III	MM	2	2	30	30	5
15	Elective Block 3								
	ДФТ2И1	Polymers for pharmaceutica/medical applications	III	E	2	2	30	30	5
	ДФТ2И2	Drug delivery carriers							
	ДФТ2И3	Selected chapters of pharmaceutical biotechnology							

	ДФТ2И4	Micro- and nanoencapsulation of drug substances							
	ДФТ2И5	Advanced concepts in data analysis							
16		Research	III						10
17	Д2О32	Seminar 4	IV	MC	2	4	30	60	5
18		Defense of doctoral dissertation theme proposal	IV	M	0	15	0	225	10
19		Research	IV						15
Total in second year:					10	29	150	435	60
Third Year									
20		Research work	V		0	20	0	300	5
21		Research	V						25
22		Research work	VI		0	20	0	300	5
23		Research	VI						25
Total in third year:					0	40	0	600	60

Active classes: L-Lectures, R-Research work.

	Code	Course title	Semester	Course status	Active classes				ECTS
					Weekly		Semesterly		
					L	R	L	R	
First Year									
1	Д1О31	Methodology of scientific research	I	MC	2	2	30	30	5
2	Д1О32	Statistics in research	I	MC	2	2	30	30	5
3	Д1О33	Seminar 1	I	MC	2	4	30	60	5
4	ДФХ1ОМ1	Selected topics in organic chemistry	I	MM	2	2	30	30	5
5	ДФХ1ОМ2	The chemical and biopharmaceutical aspects of the design of biologically active molecules	I	MM	4	4	60	60	10
6	Д1О34	Seminar 2	II	MC	2	4	30	60	5
7	ДФХ1ОМ3	Methods in Computer-Assisted Drug Design	II	MM	4	4	60	60	10
8, 9	Elective Block 1-2								
	ДФХ1И1	Modern Drug Synthesis	III	E	4	4	60	60	10
	ДФХ1И2	Electrochemical methods used in the study of biologically active molecules in vitro and in vivo							
	ДФХ1И3	Protolytic equilibria							
	ДФХ1И4	Structure analysis of solid state							
	ДФХ1И5	Spectroscopic methods 1							
	ДФХ1И6	Spectroscopic methods 2							
	ДФХ1И7	Chemometric methods in pharmaceutical chemistry							
10		Research	II						5
Total in first year:					22	26	330	390	60
Second Year									
11	Д2О31	Seminar 3	III	MC	2	4	30	60	5
12	ДФХ2ОМ1	Mechanisms of degradation and origin of impurities in pharmaceuticals	III	MM	2	2	30	30	5
13, 14	Elective Block 3-4								
	ДФХ2И1	Computation Methods in Chemical Biology	III	E	4	4	60	60	10
	ДФХ2И2	Biophysical approaches of G-protein coupled receptor: structure, function and pharmacological aspects							
	ДФХ2И3	Targeted Drug Design							
	ДФХ2И4	Radiopharmaceutical chemistry							

	ДФХ2И5	Chemical approach to prodrug design of pharmacologically active compounds							
	ДФХ2И6	Peptides and peptidomimetics							
	ДФХ2И7	Biophysical approaches of ion channel: structure, function and pharmacological aspects							
15		Research	III						10
16	Д2О32	Seminar 4	IV	MC	2	4	30	60	5
17		Defense of doctoral dissertation theme proposal	IV	M	0	15	0	225	10
18		Research	IV						15
Total in second year:					10	29	150	435	60
Third Year									
19		Research work	V		0	20	0	300	5
20		Research	V						25
21		Research work	VI		0	20	0	300	5
22		Research	VI						25
Total in third year:					0	40	0	600	60

Active classes: L-Lectures, R-Research work.