

Pharmaceutical Chemistry

	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
Elective Block 1-2									
8, 9	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
Elective Block 3-4									
13, 14	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.