

## Pharmaceutical Technology

	Code	Course title	Semester	Course status	Active classes				ECTS
					Weekly		Semesterly		
					L	R	L	R	
<b>First Year</b>									
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	
<b>Total in first year:</b>					<b>22</b>	<b>26</b>	<b>330</b>	<b>390</b>	<b>60</b>
<b>Second Year</b>									
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
<b>Total in second year:</b>					<b>10</b>	<b>29</b>	<b>150</b>	<b>435</b>	<b>60</b>
<b>Third Year</b>									
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
<b>Total in third year:</b>					<b>0</b>	<b>40</b>	<b>0</b>	<b>600</b>	<b>60</b>

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