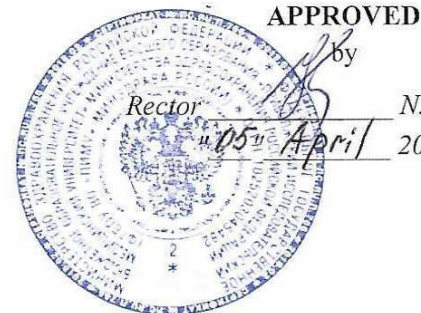


Plan approved by the Academic Council
Protocol No. 2 dated 04.04.2022

CURRICULUM

speciality
Pharmacy 33.05.01
Direction (Profile) Pharmacy



Faculty: Faculty of International Medical Education

Qualification: Pharmacist

Form of study: Full-time

Duration of study: 5 years

Year of start of training 2022

FSE S

Order of the Ministry of Education and Science of the Russian Federation of March 27, 2018 No.219

Forms of Professional activity

AGREED

Vice Rector for Academic Affairs

[Signature] / Bogomolova E.S. /

Head of educational and methodological department

[Signature] / Koldanova M.N. /

[Signature] / Stelnikova I.G. /

ASSIGNING COMPETENCES TO DISCIPLINES

Discipline	Name of EP blocks, modules, disciplines, practices	Department	Semester	Cr
Block 1. Disciplines				
Mandatory part				
B1.O.1	Philosophy	Soc.Hum.	3, 4	4
B1.O.2	Jurisprudence	Soc.Med.&Healthcare Manag.	5	2
B1.O.3	Bioethics	G&C Psych.	5	2
B1.O.4	History	Soc. Hum.	1	2
B1.O.5	Economic theory	Soc.Med.&Healthcare Manag.	1	4
B1.O.6	Foreign language (Russian)	Foreign Lang.	1, 2, 3, 4	5
B1.O.7	Information Technology in Pharmacy	MEPh&PHarm Tech.	5	1
B1.O.8	Information support of the life cycle of medicines	MEPh&PHarm Tech.	3, 4	3
B1.O.9	Mathematics	Med.Biophysics	1	2
B1.O.10	Physics	Med.Biophysics	2	3
B1.O.11	Informatics	IT	2, 3	3
B1.O.12	General and Inorganic Chemistry	General Chem.	1	6
B1.O.13	First Aid	Ther.Cardiol.	3	2
B1.O.14	Physical and Colloid Chemistry	General Chem.	2, 3	6
B1.O.15	Analytical chemistry	General Chem.	3, 4	11
B1.O.16	First Aid	ARAT	9	2
B1.O.17	Organic Chemistry	General Chem.	3, 4	11
B1.O.18	Botany	Biology	1, 2	7
B1.O.19	Biology	Biology	1	3
B1.O.20	Physiology with the Basics of Anatomy	Norm.Physiol.	1, 2	6
B1.O.21	Microbiology	Epid.Micr.EBM	2, 3	6
B1.O.22	Pathology	Path.Physiol.	4, 5	6
B1.O.23	Biological Chemistry	Biochemistry	4, 5	7
B1.O.24	Pharmacology	G&C Pharm.	5, 6, 7	9
B1.O.25	Life safety. Emergency Medicine	Dis.Med.	6	4
B1.O.26	Anatomy of Systems and Organs	Norm.Anat.	4	3
B1.O.27	General Pharmaceutical Technology	MEPh&PHarm Tech.	6, 7	8
B1.O.28	Biotechnology	MEPh&PHarm Tech.	8	4
B1.O.29	Pharmacognosy	Pharm.Chem.&Ph.	5, 6, 7	10
B1.O.30	Pharmaceutical Chemistry	Pharm.Chem.&Ph.	5, 6, 7, 8	18
B1.O.31	Toxicological chemistry	Pharm.Chem.&Ph.	7, 8	6
B1.O.32	Medical and pharmaceutical merchandising	MEPh&PHarm Tech.	7, 8	5
B1.O.33	Management and Economics of Pharmacy	MEPh&PHarm Tech.	3, 6, 7, 8	14
B1.O.34	Physical Education and Sport	Physical Edu.	1, 2	2
B1.O.35	Clinical Pharmacology with the Basics of Pharmacotherapy	G&C Pharm.	8, 9	9
B1.O.36	Pharmaceutical Ecology	Hygiene	7	2
B1.O.37	Legal Basis for the Activity of a Pharmacist	MEPh&PHarm Tech.	9	3
B1.O.38	Pharmaceutical Consulting and Information	MEPh&PHarm Tech.	9	1
B1.O.39	Fundamentals of Military Training	Dis.Med.	5	0
B1.YO Part formed by participants in educational relations				
B1.YOO 1	Cultural Studies	Soc. Hum.	2	2
B1.YOO 2	Industrial Pharmaceutical Technology	Pharm.Chem.&Ph.	8, 9	7
B1.YOO 3	Psychology and Pedagogy	G&C Psych.	6	2
B1.YOO 4	Pharmaceutical management	MEPh&PHarm Tech.	9	3
B1.YOO 5	History of Pharmacy	Soc. Hum.	2	3
B1.YOO 6	Biophysics	Med.Biophysics	1	2
B1.YOO 7	Thermodynamics of chemical equilibrium of various systems	Gen.Chem.	3	2
B1.YOO 8	Latin Language	Foreign Lang.	1, 2	3
B1.YOO 9	Modern Methods of Pharmaceutical Analysis	Pharm.Chem.&Ph.	6	3
B1.YOO 10	Communication bases of pharmaceutical activity	G&C Psych.	7	1
B1.YOO 11	General Hygiene	Hygiene	5	3
B1.YOO 12	Adaptation to study at a medical university	MEPh&PHarm Tech.	1	0
B1.YOO 13	Introduction to the Speciality	MEPh&PHarm Tech.	1	0
B1.YO Optional				
B1.YOO 13.1	Elective disciplines 1 / Instrumental methods in analytical chemistry	General Chem.	4	2
B1.YOO 13.2	Elective disciplines 1 / Modern problems of medical chemistry	General Chem.	4	2
B1.YOO 13.3	Elective disciplines 1 / Chemistry of surface phenomena	General Chem.	4	2
B1.YOO 13.4	Elective disciplines 3 / Fundamentals of pharmacogenetics	G&C Pharm.	6	1
B1.YOO 13.5	Elective disciplines 3 / Chronopharmacology	G&C Pharm.	6	1
B1.YOO 13.6	Elective disciplines 4 / Pharmaceutical logistics	MEPh&PHarm Tech.	8	1
B1.YOO 13.7	Elective disciplines 4 / Pharmaceutical marketing	MEPh&PHarm Tech.	8	1
B1.YOO 13.8	Elective disciplines 7 / Promotion of goods on the pharmaceutical market	MEPh&PHarm Tech.	9	1
B1.YOO 13.9	Elective disciplines 7 / Project management in pharmacy	MEPh&PHarm Tech.	9	1
B1.YOO 13.10	Elective disciplines 5 / Organization of drug supply for the population	MEPh&PHarm Tech.	9	1
B1.YOO 13.11	Elective disciplines 5 / Fundamentals of entrepreneurial activity in pharmacy	MEPh&PHarm Tech.	9	1
B1.YOO 13.12	Elective disciplines 6 / State registration and examination of medicines	MEPh&PHarm Tech.	9	1
B1.YOO 13.13	Elective disciplines 6 / State control and supervision in the field of circulation of medicines	MEPh&PHarm Tech.	9	1
B1.YOO 13.14	Elective disciplines 2 / Fundamentals of scientific translation in pharmacy	Foreign Lang.	4	2
B1.YOO 13.15	Elective disciplines 2 / Fundamentals of translation of professional texts in pharmacy	Foreign Lang.	4	2
B1.YOO 13.16	Elective disciplines in physical culture and sports	Physical Edu.	1, 2, 3, 4, 5, 6	2
Block 2. Practice				
Mandatory part				
B2.Y.1	Pharmaceutical propaedeutic practice	MEPh&PHarm Tech.	2	1
B2.Y.2	Pharmacognosy practice	Pharm.Chem.&Ph.	6	3
B2.Y.3	General Pharmaceutical Technology Practice	MEPh&PHarm Tech.	7	2
B2.Y.4	First aid practice	Therapy&Card.	3	1
B2.YL.1	Pharmaceutical Quality Control Practice	Pharm.Chem.&Ph.	9	5
B2.YL.2	Practice in Industrial Pharmaceutical Technology	Pharm.Chem.&Ph.	10	5
B2.YL.3	Practice in Management and Economics of Pharmaceutical Organizations	MEPh&PHarm Tech.	10	18
B2.YL.4	Pharmaceutical Counseling and Information Practice	MEPh&PHarm Tech.	9	5
B2.YL.5	Pharmaceutical technology practice	MEPh&PHarm Tech.	9	3
Block 3. State final certification				
B3.FHA 1	State exam	MEPh&PHarm Tech.	10	4

Head of the Scientific and Methodological Center of the UMU _____

Head of the graduating department _____

Educational program developer _____