STUDY PROGRAM
PHARMACY
APLICABLE FROM THE SUMMER 2018/2019 YEAR

FIRST YEAR - FIRST SEMESTER			
SUBJECT	**Credits**	**Hours**	**Total**
General and inorganic chemistry	6	3+2+1	180
Mathematics	5	2+2+1	150
Biology for Pharmacists	6	3+2+1	180
Biophysics	5	2+2+1	150
Introduction to Pharmacy	4	2+0+1	120
Sport and Recreation	0	0+0+2	0
Foreign Language 1 - English Foreign Language 1 - Italian Foreign Language 1 - German Foreign Language 1 - French Foreign Language 1 - Spanish Foreign Language 1 - Russian	4	0+0+4	120
FIRST YEAR - SECOND SEMESTER			
SUBJECT	**Credits**	**Hours**	**Total**
Organic Chemistry	8	3+4+1	240
Pharmaceutical botany	6	3+2+1	180
Medical Physiology	5	2+2+1	150
Basics of anatomy	2	1+1+1	60
Molecular Biology with Genetics	5	2+2+1	150
Informatics	4	2+1+1	120
SECOND YEAR - THIRD SEMESTER			
SUBJECT	**Credits**	**Hours**	**Total**
General biochemistry	5	2+2+1	150
Pharmacognosy	6	3+2+1	180
Bioorganic Chemistry	7	3+3+1	210
Analytical Chemistry 1	5	2+2+1	150
Microbiology with parasitology	5	2+2+1	150
Basics of pathology	2	1+1+1	60

SECOND YEAR - FIFTH SEMESTER			
SUBJECT	**Credits**	**Hours**	**Total**
Instrumental pharmaceutical analysis	5	2+2+1	150
Biostatistics	2	1+1+1	60
Analytical Chemistry 2	5	2+2+1	150
Cellular biochemistry	5	2+2+1	150
Physical Chemistry	6	3+2+1	180
Pharmaceutical Chemistry 1	7	3+3+1	210
Required field instruction for 10 days Fifth Semester Enrollment Requirement			
THIRD YEAR - FIFTH SEMESTER			
SUBJECT	**Credits**	**Hours**	**Total**
Phytochemistry	5	2+2+1	150
Pharmaceutical Technology 1	7	3+3+1	210
Pharmaceutical Chemistry 2	7	3+3+1	210
Pharmacology 1	5	2+2+1	150
Pathophysiology	4	2+1+1	120
Elective course from Group No.1	2	1+1+1	60
THIRD YEAR - SIXTH SEMESTER			
SUBJECT	**Credits**	**Hours**	**Total**
Pharmaceutical Technology 2	7	3+3+1	210
Pharmaceutical Chemistry 3	7	3+3+1	210
Pharmacology 2	5	2+2+1	150
Phytotherapy	4	2+2+1	120
Immunochemistry with immunology	5	2+2+1	150
Elective course from Group No. 2	2	1+1+1	60

FOURTH YEAR - SEVENTH SEMESTER			
SUBJECT	**Credits**	**Hours**	**Total**
Pharmaceutical Technology 3	7	3+3+1	210
Clinical Biochemistry	5	2+2+1	150
Drug Analytics 1	7	3+3+1	180
Drug Metabolism	4	2+1+1	120
Basics of scientific research	2	1+1+1	60
Bromatology	5	2+2+1	150

FOURTH YEAR - EIGHTH SEMESTER			
SUBJECT	**Credits**	**Hours**	**Total**
Drug Analytics 2	7	3+3+1	210
Toxicological Chemistry	7	3+3+1	210
Biopharmacy with pharmacokinetics	7	3+3+1	210
Social Pharmacy	3	2+1+1	90
Introduction to clinical pharmacy	3	2+1+1	90
Elective course from Group No. 3	3	2+1+1	90

FIFTH YEAR – NINETH SEMESTER			
SUBJECT	**Credits**	**Hours**	**Total**
Clinical pharmacy and therapeutics	5	2+2+1	150
Pharmaceutical Biotechnology	5	2+2+1	150
Radiopharmacy	3	2+1+1	90
Pharmacy and pharmacy operations	3	2+1+1	90
Elective course from Group No. 4	4	2+1+1	120
Graduate thesis	10	0+0+10	300

FIFTH YEAR - TENTH SEMESTER			
SUBJECT	**Credits**	**Hours**	**Total**
Professional practice Hospital pharmacy	15	0+0+15	450
Professional practice Public pharmacy	15	0+0+15	450

LIST OF ELECTIVE SUBJECTS

THIRD YEAR - FIFTH SEMESTER (Group No. 1) The student has to choose one subject			
SUBJECT	**Credits**	**Hours**	**Total**
Tissue and cell cultures	2	1+1+1	60
Colloid Chemistry	2	1+1+1	60
Receptors and biological membranes	2	1+1+1	60
Validation of instruments, procedures and reagents	2	1+1+1	60

THIRD YEAR - SIXTH SEMESTER (Group No. 2)			
SUBJECT	**Credits**	**Hours**	**Total**
Pharmacoinformatics	2	1+1+1	60
Pharmacoeconomics and Pharmaceutical marketing	2	1+1+1	60
Medical devices	2	1+1+1	60
Ecotoxicology	2	1+1+1	60
Isolation of natural products	2	1+1+1	60
Sports Pharmacy	2	1+1+1	60

FIFTH YEAR - Eighth SEMESTER (Group No. 3)			
SUBJECT	**Credits**	**Hours**	**Total**
Modern pharmaceutical forms	3	2+1+1	90
Industrial Pharmacy	3	2+1+1	90
Cosmetology	3	2+1+1	90
Drug stability	3	2+1+1	90
Drug registration	3	2+1+1	90
Design and development of new drug	3	2+1+1	90
Clinical Pharmacology	3	2+1+1	90
Toxicology of foods and products of natural origin	3	2+1+1	90
Probiotics	3	2+1+1	90
Standardization of herbal drugs and herbal preparations	3	2+1+1	90
Pharmaceutical concerns	3	2+1+1	90

FIFTH YEAR - Tenth Semester (Group No. 4)			
SUBJECT	**Credits**	**Hours**	**Total**
Pharmacotherapy	4	2+1+1	120
Basics of good manufacturing practice	4	2+1+1	120
Basics of good laboratory practice	4	2+1+1	120
Clinical-toxicological analysis	4	2+1+1	120
Animal models in drug design	4	2+1+1	120
Tissue engineering and biomaterials	4	2+1+1	120
Nutrition and Dietetics	4	2+1+1	120
Pharmacogenetics	4	2+1+1	120
Phytopharmacy	4	2+1+1	120
Veterinary medicine	4	2+1+1	120
Pharmacoepidemiology	4	2+1+1	120