

**STUDY FIELD – PHARMACY
PROGRAMME OF INTEGRATED STUDIES „PHARMACY“ (English language)**

2022/2023 ACADEMIC YEAR

I YEAR

No.	Code of the Subject	Title of the Subject/ Module	Type of Subject	Responsible Department/ Institute	Contact Work hours	ECTS Credit	Semester/ semesters	Evaluation Form	Coordinating Lecturer
1.	MF/KEK/F-U28	Introduction to Studies	K (P)	Dept. of Languages and Education	57	3	1	Project	E. Butrimė
2.	FF/ANT/F-U73	Introduction to Pharmacy	S	Dept. of Analytical and Toxicology Chemistry	56	3	1	Project	L. Ivanauskas T. Mekas V. Jakštas
3.	FF/ANT/F-U79	General and Inorganic Chemistry	K (P)	Dept. of Analytical and Toxicology Chemistry	56	3	1	Project	A. Ževžikovas
4.	FF/FKG/F-U30	MODULE: The Basics of Plant and Animal Biology	K (P)	Dept. of Pharmacognosy	112	6	1	Examination	N. Savickienė
		The Basics of Animal Biology		Institute of Biological Systems and Genetic Research	56	3			L. Mickienė
		Pharmaceutical Botany		Dept. of Pharmacognosy	56	3			N. Savickienė
5.	MF/ANI/F-U04	Human Anatomy	K (P)	Institute of Anatomy	56	3	1	Examination	N. Paužienė
6.		Professional Language	K (P)	Dept. of Languages and Education	113	6	1	Examination	
	MF/KEK/F-U25	Basics of Latin Professional Terminology			57	3			S. Morkevičienė
	MF/KEK/F-U37	Lithuanian (foreign) Language I			56	3			L. Alešiūnaitė
7.	MF/FMB/F-U17	Biostatistics and Information Technology in Pharmacy	B	Dept. of Physics, Mathematics, and Biophysics	112	6	1	Examination	J. Tomkevičiūtė
8.	FF/ANT/F-U80	Organic Chemistry	K (P)	Dept. of Analytical and Toxicology Chemistry	112	6	2	Examination	A. Ževžikovas
9.	MF/FIK/F-U28	Human Physiology	K (P)	Institute of Physiology and Pharmacology	112	6	2	Project	I. Korotkich

10.	MF/FMB/F-U14	Applied Physics	K (P)	Dept. of Physics, Mathematics, and Biophysics	57	3	2	Project	A. Grigaliūnas A. Baginskas R. Čerapaitė- Trušinskienė
11.	MF/KEK/F-U38	Lithuanian (foreign) Language II	K (P)	Dept. of Languages and Education	112	6	2	Project	L. Alešiūnaitė
12.	MF/BCM/F-U09	Biological Chemistry	K (P)	Dept. of Biochemistry	112	6	2	Examination	D. Umbrasas
13.	FF/VTSF/F-U40	History of Pharmacy	S	Dept. of Drug Technology and Social Pharmacy	56	3	2	Project	V. Gudienė
Total:					1123	60			

II YEAR

No.	Code of the Subject	Title of the Subject/ Module	Type of Subject	Responsible Department/ Institute	Contact Work hours	ECTS Credit	Semester/ semesters	Evaluation Form	Coordinating Lecturer
1.	FF/ANT/F-U77	Physical Chemistry	K (P)	Dept. of Analytical and Toxicology Chemistry	93	5	3	Examination	L. Ivanauskas
2.	MF/BCM/F-U07	Biological Chemistry	K (P)	Dept. of Biochemistry	93	5	3	Examination	D. Umbrasas
3.	MF/FIK/F-U23	Pathological Physiology	K (P)	Institute of Physiology and Pharmacology	76	4	3	Examination	D. Akramienė
4.	VF/MVI/F-U01	Microbiology	S (P)	Institute of Microbiology and Virology	93	5	3	Examination	A. Giedraitienė
5.	FF/VTSF/F-U33	MODULE: Basics of Health Care	K (P)	Dept. of Drug Technology and Social Pharmacy	112	6	3 (3, 4)	Interim credit test	R. Gerbutavičienė
		Basics of Pharmaceutical Practice (3)	K (P)	Dept. of Drug Technology and Social Pharmacy					R. Gerbutavičienė
		First Medical Aid and Disaster Medicine (3)	K (P)	Dept. of Extreme Medicine					D. Vaitkaitis
6.	FF/VTSF/F-U34	Pharmaceutical Propaedeutic Practice in Pharmacy	S	Dept. of Drug Technology and Social Pharmacy	37	2	3	Project	G. Kasparavičienė A. Savickas
7.		Elective Courses of Humanities	B	Dept. of Languages and Educology	56	3	3	Project	L. Alešiūnaitė
8.	FF/ANT/F-U76	Pharmaceutical Analysis	S	Dept. of Analytical and Toxicology Chemistry	150	8	4	Examination	L. Rimkienė
9.	FF/VTSF/F-U33	MODULE: Basics of Health Care	K (P)	Dept. of Drug Technology and Social Pharmacy	56	3	4 (3, 4)	Examination	R. Gerbutavičienė
		Nursing (3)	K (P)	Clinics of Nursing					A. Blaževičienė
10.	FF/VTSF/F-U35	Applied Drug Technology	S	Dept. of Drug Technology and Social Pharmacy	75	4	4	Project	G. Kasparavičienė
11.	FF/FKG/F-U28	Pharmacognosy I	S	Dept. of Pharmacognosy	93	5	4	Examination	D. Burdulis
12.	FF/VACH/F-U30	Pharmacogenomics and Drug Metabolism	S	Dept. of Drug Chemistry	75	4	4	Project	R. Morkūnienė V. Tatarūnas
13.	FF/VTSF/F-U31	History of Pharmacy	K (P)	Dept. of Drug Technology and Social Pharmacy	56	3	4	Project	V. Gudienė

14.		Elective Speciality Courses	S	Depts of Faculty of Pharmacy	56	3	4	Project	
Total:					1121	60			

III YEAR (for entrants from 2020 onwards)

No.	Code of the Subject	Title of the Subject/ Module	Type of Subject	Responsible Department/ Clinics/ Institute	Contact Work hours	ECTS Credit	Semester/ semesters	Evaluation Form	Coordinating Lecturer
1.	FF/VTSF/F-U36	Pharmaceutical Technologies	S	Dept. of Drug Technology and Social Pharmacy	112	6	5	Examination	D. Majienė
2.	FF/VACH/F-U29	MODULE: Pharmaceutical chemistry	S	Dept. of Drug Chemistry	168	9	5	Examination	R. Benetis
		Pharmaceutical Chemistry		Dept. of Drug Chemistry	112	6			R. Benetis
		Analysis of medicines		Dept. of Analytical and Toxicology Chemistry	56	3			L. Ivanauskas
3.	MF/FIK/F-U21	Pharmacology	S	Institute of Physiology and Pharmacology	74	4	5 (5, 6)	Interim credit test	V. Petrikaitė
4.	MF/VIL/F-U06	Essentials of Internal Diseases	K (P)	Clinics of Internal Medicine	56	3	5 (5, 6)	Interim credit test	A. Ališauskas
5.		Elective Courses of General University Training	B	According to Selection	56	3	5	Project	
6.	FF/FKG/F-U29	Pharmacognosy II	S	Dept. of Pharmacognosy	56	3	5	Project	D. Burdulis
7.	FF/VTSF/F-U38	Medical Devices and Pharmaceutical Innovations	S	Dept. of Drug Technology and Social Pharmacy	37	2	5	Project	G. Kasparavičienė J. A. Kazlauskaitė
8.	MF/FIK/F-U21	Pharmacology	S	Institute of Physiology and Pharmacology	80	4	6 (5, 6)	Examination	V. Petrikaitė
9.	MF/VIL/F-U06	Essentials of Internal Diseases	K (P)	Clinics of Internal Medicine	56	3	6 (5, 6)	Examination	A. Ališauskas
10.	FF/VTSF/F-U39	Pharmaceutical Industry Technologies	S	Dept. of Drug Technology and Social Pharmacy	74	4	6	Examination	G. Kasparavičienė Ž. Pranskūnienė
11.	IAK/IAK/F-U01	Immunology	S	Department of Immunology and Allergology	27	2	6	Project	B. Šitkauskienė L. Tamašauskienė
12.	FF/VTSF/F-U37	Pharmaceutical Marketing and Economy	S	Dept. of Drug Technology and Social Pharmacy	93	5	6	Project	J. Daukšienė
13.	VSF/FES/F-U13	Elective Courses of Philosophy	B	Dept. of Bioethics	112	6	6	Project	R. Butkevičienė
	VSF/FES/F-U14								E. Peičius
14.	FF/KFK/F-U26	Biopharmaceutics	S	Dept. of Clinical Pharmacy	112	6	6	Examination	V. Briedis
Total:					1113	60			

III YEAR (for entrants before 2019)

No.	Code of the Subject	Title of the Subject/ Module	Type of Subject	Responsible Department/ Clinics/ Institute	Contact Work hours	ECTS Credit	Semester/ semesters	Evaluation Form	Coordinating Lecturer
1.	FF/VTSF/F-U15	Pharmaceutical Technologies	S	Dept. of Drug Technology and Social Pharmacy	112	6	5	Examination	G. Kasparavičienė
2.	FF/FKG/F-U19	Pharmacognosy	S	Dept. of Pharmacognosy	131	7	5, 6	Interim credit test/ Examination	D. Burdulis
3.	FF/VACH/F-U22	Pharmaceutical Chemistry	S	Dept. of Drug Chemistry	93	5	5	Examination	R. Benetis
5.	MF/FIK/F-U21	Pharmacology	S	Institute of Physiology and Pharmacology	148	8	5, 6	Interim credit test/ Examination	V. Petrikaitė
6.	MF/VIL/F-U06	Essentials of Internal Diseases	K (P)	Clinics of Internal Medicine	112	6	5, 6	Interim credit test/ Examination	A. Naudžiūnas A. Ališauskas
7.	FF/VTSF/F-U16	History of Pharmacy	K (P)	Dept. of Drug Technology and Social Pharmacy	56	3	5	Project	V. Gudienė
8.	FF/KFK/F-U26	Biopharmaceutics	S	Dept. of Clinical Pharmacy	112	6	6	Examination	V. Briedis
9.		Elective Courses of Special Medical Group	K (P)	According to Selection	56	3	5	Project	
10.		Elective Courses of General University Training	B	According to Selection	56	3	5	Project	L. Škėmienė E. Sendžikaitė K. Jurėnienė
11.	FF/FKG/F-U22	Scientific Research Practice	S	Dept. of Pharmacognosy	73	4	6	Project	N. Savickienė
12.	VSF/FES/F-U13 VSF/FES/F-U14	Elective Courses of Philosophy	B	Dept. of Bioethics	112	6	6	Project	R. Butkevičienė E. Peičius
13.	FF/VTSF/F-U09	Pharmaceutical Marketing	S	Dept. of Drug Technology and Social Pharmacy	56	3	6	Project	J. Daukšienė
Total:					1117	60			

IV YEAR

No.	Code of the Subject	Title of the Subject/ Module	Type of Subject	Responsible Department/ Clinics/ Institute	Contact Work hours	ECTS Credit	Semester/ semesters	Evaluation Form	Coordinating Lecturer
1.	FF/VACH/F-U20	Drug Chemistry	S	Dept. of Drug Chemistry	168	9	7, 8	Interim credit test/ Examination	R. Morkūnienė J. Kamarauskaitė
2.	FF/ANT/F-U68	Toxicology	S	Dept. of Analytical and Toxicology Chemistry	111	6	7, 8	Interim credit test/ Examination	A. Kubilienė
3.	FF/VTSF/F-U10	Pharmaceutical Industry Technologies	S	Dept. of Drug Technology and Social Pharmacy	112	6	7, 8	Interim credit test/ Examination	S. Velžienė
4.	FF/VTSF/F-U17	Social Pharmacy	S	Dept. of Drug Technology and Social Pharmacy	168	9	7, 8	Interim credit test/ Examination	L. Kubilienė
5.	FF/FKG/F-U25	Phytotherapy	S	Dept. of Pharmacognosy	37	2	7	Project	N. Savickienė
6.	FF/KFK/F-U24	MODULE: Disease Management	S	Dept. of Clinical Pharmacy	187	10	7, 8	Interim credit test/ Examination	V. Briedis
				Dept. of Clinical Pharmacy	94	5			V. Briedis R. Minkutė
				Institute of Physiology and Pharmacology	93	5			R. Mačiulaitis
7.	FF/KFK/F-U25	Pharmaceutical Biotechnology	S	Dept. of Clinical Pharmacy	93	5	7	Examination	V. Briedis
8.		Elective Speciality Courses	S	Depts. of Faculty of Pharmacy	56	3	8	Project	
9.		Master Thesis (Research Project)	S	All Departments	187	10	7, 8	Interim credit test/ Project	
Total:					1119	60			

V YEAR

No.	Code of the Subject	Title of the Subject/ Module	Type of Subject	Responsible Department/ Clinics/ Institute	Contact Work hours	ECTS Credit	Semester/ semesters	Evaluation Form	Coordinating Lecturer
1.		MODULE: Pharmaceutical Professional Practice	S	Depts. of Faculty of Pharmacy	238	18	9, 10	Project	
		Organization and Evaluation of Social Pharmacy Practice		Dept. of Drug Technology and Social Pharmacy	26	10			L. Kubilienė
		Organization and Evaluation of Drug Technology in Pharmacy Practice		Dept. of Drug Technology and Social Pharmacy	26				J. Bernatoniėnė
		Organization and Evaluation of Phytopharmacy Practice		Dept. of Pharmacognosy	26				D. Burdulis
		Organization and Evaluation of Drug Analysis in Pharmacy Practice		Dept. of Drug Chemistry	26				R. Benetis
		Organization and Evaluation of Biopharmaceutics/ Clinical Pharmacy Practice		Dept. of Clinical Pharmacy	26				A. M. Inkėnienė
		Practice		According to Selection	108	8			
2.	FF/VTSF/F-U11	Pharmaceutical Care	S	Dept. of Drug Technology and Social Pharmacy	80	6	9	Project	L. Kubilienė
3.	FF/KFK/F-U23	MODULE: Development of Pharmaceuticals Preparations	S	Dept. of Clinical Pharmacy	133	10	9	Project	V. Briedis
		Drug Quality. Drug Metabolism.		Dept. of Drug Chemistry	40				R. Morkūnienė A. Špadienė
		Phytopharmaceutical Preparations		Dept. of Pharmacognosy	40				V. Jakštas
		Biopharmaceutics		Dept. of Clinical pharmacy	53				V. Briedis
4.		Elective Speciality Courses	S	Depts. of Faculty of Pharmacy	40	3	9	Project	
5.	FF/VTSF/F-U12	Pharmaceutical Economy	S	Dept. of Drug Technology and Social Pharmacy	27	2	9	Project	J. Daukšiene
6.		Master Thesis (Research Project)	S	All Departments	267	20	9, 10	Interim credit test/ Project	
7.		Final Examination	S	Depts. of Faculty of Pharmacy	13	1	10	Examination	
Total:					798	60			