

FACULTY OF PHARMACY MASARYK UNIVERSITY
 Study catalogue for English Master's Programme Pharmacy
ACADEMIC YEAR 2022/2023

First Year of Study

		Guarantor/ Teacher	Course	ECTS	Autumn*	Spring*
Compulsory courses (A)	FAUD1_11	Ambrus	Introduction to Study and History of Pharmacy	3	3/0/0 Ex	
	FABR1_12	Babula	Botany I	4	2/2/0 Cr	
	FAOB1_14	Paráková	Biology	5	2/2/0 Ex	
	FAPP1_14	Štourač	Premedical First Aid	3	1/1/0 Ex	
	FAMC1_14	Chalupová	Human Morphology	4	2/1/0 Ex	
	FAAC1_15	Goněc	General and Inorganic Chemistry	8	3/3/0 Ex	
	FAOL1_cjv	Prucklová	Professional Latin I	2	0/1/0 Cr	
	FALE1_11	Smejkalová	Introduction to Pharmacy Practice	3		1/1/0 Ex
	FABR2_12	Babula	Botany II	5		2/2/0Ex
	FASU1_13	Vetchý	Physical Chemistry	6		2/2/0 Ex
	FABF1_13	Muselík	Biophysics	3		2/0/0 Ex
	FAOC1_15	Bobál	Organic Chemistry	10		5/4/0 Ex
	FAOL2_cjv	Prucklová	Professional Latin II	3		0/2/0 Ex
			Credits total	59		
Selective courses (C)	FALT1_15	Mokrý	Basic Chemical Calculations	2	0/2/0 Cr	
	FABF2_13	Muselík	Biophysics – Laboratory Practice	2		0/2/0 Cr
	FAPL1_11	Šaloun	Introductory Pharmacy Internship – 2 weeks	2		0/40/0 Cr
	FASO1_15	Bobál	Organic Chemistry Seminar	2		0/2/0 Cr

* Lectures / Practical Classes / Seminars

Ex... Examination / Cr... Credit / col... colloquium

According to Masaryk University regulations, **Physical Education is compulsory** for all students of the Faculty of Pharmacy who commence their studies in academic year 2020/2021 onwards. Students must gain at least **2 credits** from Physical Education during their study (pass 2 courses with code **p9...** offered by the Faculty of Sports Studies): <https://www.fsp.s.muni.cz/en/study/physical-education-for-all-students>

Second Year of Study

		Guarantor/ Teacher	Course	ECTS	Autumn	Spring
Compulsory courses (A)	FAPC1_14	Parák	Human Physiology and Pathophysiology I	4	2/1/0 Cr	
	FAAI1_15	Pazourek	Analytical Chemistry I	4	2/3/0 Cr	
	FAMB1_16	Treml	Microbiology	5	2/2/0 Ex	
	FABC1_16	Brázdová	Biochemistry	6	3/1/0 Ex	
	FAME1_16	Brázdová	Molecular Biology	3	2/0/0 Ex	
	FACJ1_cjv	Prucklová	Czech Language	2	0/2/0 Ex	
	FAFY1_12	Šmejkal	Phytochemistry	3		1/1/0 Cr
	FAPC2_14	Parák	Human Physiology and Pathophysiology II	6		2/2/0 Ex
	FAAI2_15	Pazourek	Analytical Chemistry II	7		2/3/0 Ex
	FAFB1_15	Farsa	Medicinal Chemistry I	3		3/1/0 Cr
			Credits total	43		
Compulsory – selective courses (B)	FAIS1_15	Pazourek	Applied Statistics	5	2/2/0 Ex	
	FACP1_15	Vranová	Food Chemistry and Principles of Dietology	3	2/0/0 Ex	
	FARI1_11	Ambrus	Managed Pharmaceutical Practice I – 2 weeks	2		0/40/0 Cr
	FALR1_12	Dvorská	Production of Medicinal Plants	4		2/1/0 Ex
	FACJ2_cjv	Prucklová	Advanced Czech Language	2		0/2/0 Ex
	FAIZ1_12	Malaník	Work With Information Sources	2		0/1/0 Cr

Third Year of Study

		Guarantor/ Teacher	Course	ECTS	Autumn	Spring
Compulsory courses (A)	FALK1_11	Smejkalová	Pharmacy Practice	5	2/2/0 Ex	
	FAFG1_12	Šmejkal	Pharmacognosy I	4	2/4/0 Cr	
	FALF1_13	Vetchý	Theory of Dosage Forms	4	2/1/0 Ex	
	FAFB2_15	Farsa	Medicinal Chemistry II	11	3/5/0 Ex	
	FATO1_14	Suchý	Toxicology	4	2/1/0 Ex	
	FARP1_11	Smejkalová	Pharmacy Internship I – 2 weeks	2		0/40/0 Cr
	FAFG2_12	Šmejkal	Pharmacognosy II	10		2/5/0 Ex
	FAFT1_14	Kollár	Pharmacology I	7		3/3/0 Cr
			Credits total	47		
Compulsory – selective courses (B)	FAEZ1_11	Mazánková	Economics of Health Care	3	1/1/0 Ex	
	FAAO1_12	Kubínová	Antioxidants and Free Radicals	3	2/0/0 Ex	
	FAIL1_16	Rotrekl	Immunology for Pharmacists	3	2/0/0 Ex	
	FACF1_15	Farsa	Chemistry of Pharmaceutical Excipients	3		1/1/0 Ex
	FAZV1_15	Farsa	Molecular Principles of Drug Design	4		2/1/0 Ex
	FABL1_16	Hošek	Biotechnology of Drugs	4		3/0/0 Ex
	FABL2_16	Tremel	Biotechnology of Drugs – Practical Classes	2		0/2/0 Cr
	FAMM1_12	Václavík	Principles of Molecular Modelling	3		1/1/0 Ex
Selective courses (C)	FAMP1_11	Smejkalová	Management in Pharmacy Practice	3	1/1/0 col	
	FAMI1_12	Malaník	Modern Methods of Extraction and Identification of Natural Compounds	2	1/0/0 Ex	
	FASC1_12	Jurček	Supramolecular Pharmacy	3	2/0/0 Ex	
	FARI2_11	Ambrus	Managed Pharmaceutical Practice II - 2 weeks	2		0/40/0 Cr

Fourth Year of Study

		Guarantor/ Teacher	Course	ECTS	Autumn	Spring
Compulsory courses (A)	FAFP1_11	Vašut	Pharmaceutical Care I	2	1/1/0 Cr	
	FAPE1_11	Smejkalová	Pharmacy Law and Ethics	4	2/1/0 Ex	
	FAFO1_13	Kubová	Dosage Forms and Biopharmacy I	5	3/6/0 Cr	
	FAFT2_14	Kollár	Pharmacology II	7	3/3/0 Ex	
	FAAL1_15	Opatřilová	Analysis of Drugs	8	2/3/0 Ex	
	FABU1_15	Farsa	Biopharmaceuticals	2	1/0/0 Ex	
	FACD1		Diploma Thesis I	4	0/4/0 Cr	
	FAFP2_11	Vašut	Pharmaceutical Care II	4		1/2/0 Ex
	FASF1_11	Kolář	Social Pharmacy	4		2/1/0 Ex
	FAFO2_13	Kubová	Dosage Forms and Biopharmacy II*	11		3/6/0 Ex
	FAKF1_14	Horská	Pharmacotherapy and Clinical Pharmacology	5		3/0/0 Ex
	FACD2		Diploma Thesis II	4		0/4/0 Cr
			Credits total	60		
Compulsory - selective courses (B)	FAVP1_14	Horská	Non-prescription Medicines	3	1/1/0 Ex	
	FATL1_12	Šmejkal	Toxicology of Natural Compounds	4	2/1/0 Ex	
	FAKP1_13	Kubová	Cosmetic Products	3		2/0/0 Ex
	FAVG1_13	Gajdziok	Advanced Drug Delivery*	4		1/2/0 Ex
	FANL1_13	Vysloužil	Technology of Hospital Pharmaceuticals	3		1/1/0 Ex
	FAGF1_14	Chalupová	Geriatric Pharmacotherapy	3		2/0/0 Ex
	FAFK1_14	Kauerová	Pharmacokinetics	3		1/0/1 Ex
Selective courses (C)	FAMP1_11	Smejkalová	Management in Pharmacy Practice	3	1/1/0 col	
	FAAM1_13	Elbl	Additive Manufacturing in Pharmaceutical Technology	3	1/1/0 col	
	FAMI1_12	Malaník	Modern Methods of Extraction and Identification of Natural Compounds	2	1/0/0 Ex	
	FASC1_12	Jurček	Supramolecular Pharmacy	3	2/0/0 Ex	
	FAHT1_11	Grega	Health Technology Assessment	3		1/1/0 col

* Prerequisite for registration of FAFO2_13 and FAVG1_13: passed FAFO1_13

Fifth Year of Study

		Guarantor/ Teacher	Course	ECTS	Autumn	Spring
Compulsory courses (A)	FASM1_11	Mazánková	Internship II - 24 weeks	24	0/40/0 Cr	
	FACD3		Diploma Thesis III	20		0/20/0 Cr
			Credits total	44		
Selective courses (C)	FAKJ1_15	Opatřilová	Selected Methods of Drug Quality Control	2	1/0/0 Ex	

300 credits is the minimal requirement for FINAL STATE EXAMINATION

Final State Examination:

Social Pharmacy

Pharmacognosy

Pharmaceutical Technology

Pharmacology

Medicinal Chemistry

and

Diploma Thesis Defence