

**MASTER'S DEGREE PROGRAMME PHARMACY**
**FIRST YEAR**

		<b>Guarantor/ Teacher</b>	<b>Course</b>	<b>ECTS</b>	<b>Autumn</b>	<b>Spring</b>
<b>Compulsory courses (A)</b>	<b>FAUD1_11</b>	Ambrus	Introduction to Study and History of Pharmacy	3	3/0/0 Ex	*
	<b>FABR1_12</b>	Babula	Botany I	4	2/2/0 Cr	
	<b>FAOB1_14</b>	Hošek	Biology	5	2/2/0 Ex	
	<b>FAPP1_14</b>	Štourač	Premedical First Aid	3	1/1/0 Ex	
	<b>FAMC1_14</b>	Chalupová	Human Morphology	4	2/1/0 Ex	
	<b>FAAC1_15</b>	Goněk	General and Inorganic Chemistry	8	3/3/0 Ex	
	<b>FAOL1_cjv</b>	Prucklová	Professional Latin I	2	0/1/0 Cr	
	<b>FALE1_11</b>	Smejkalová	Introduction to Pharmacy Practice	3		1/1/0 Ex
	<b>FABR2_12</b>	Babula	Botany II **	5		2/2/0Ex
	<b>FASU1_13</b>	Vetchý	Physical Chemistry	6		2/2/0 Ex
	<b>FABF1_13</b>	Muselík	Biophysics	3		2/0/0 Ex
	<b>FAOC1_15</b>	Bobál'	Organic Chemistry	10		5/4/0 Ex
	<b>FAOL2_cjv</b>	Prucklová	Professional Latin II **	3		0/2/0 Ex

**Credits total**
**59**

<b>Selective courses (C)</b>	<b>FALT1_15</b>	Mokrý	Basic Chemical Calculations	2	0/2/0 Cr	
	<b>FAAD1_FAF</b>	Šmejkal	Advances in Pharmacy	2	1/0/0 Cr	1/0/0 Cr
	<b>FABF2_13</b>	Muselík	Biophysics – Laboratory Practice	2		0/2/0 Cr
	<b>FAPL1_11</b>	Šutorová	Introductory Pharmacy Internship – 2 weeks	2		0/40/0 Cr
	<b>FASO1_15</b>	Bobál'	Organic Chemistry Seminar	2		0/2/0 Cr

\* Lectures / Practical Classes / Seminar

Ex - Examination / Cr - Credit test/ col – Colloquium

\*\* Prerequisites for enrolment in courses with 2 parts (I and II) – only students who have previously passed (or had recognized) the first (I) part can enrol in the second (II) part of the course.

**SECOND YEAR**

		<b>Guarantor/ Teacher</b>	<b>Course</b>	<b>ECTS</b>	<b>Autumn</b>	<b>Spring</b>
<b>Compulsory courses (A)</b>	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**

<b>Compulsory - selective courses (B)</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
	FAPB1_16	Brázdová	Pathobiochemistry	4		2/1/0 Ex

<b>Selective (C)</b>	FAAD1_FAF	Šmejkal	Advances in Pharmacy	2	1/0/0 Cr	1/0/0 Cr
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Masaryk University students are also **required to obtain 2 credits for Physical Education (PE)** courses during the course of their studies.

Learn more at: [www.fsps.muni.cz/en/study/physical-education-for-all-students](http://www.fsps.muni.cz/en/study/physical-education-for-all-students).

**THIRD YEAR**

		<b>Guarantor/ Teacher</b>	<b>Course</b>	<b>ECTS</b>	<b>Autumn</b>	<b>Spring</b>
<b>Compulsory courses (A)</b>	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**

<b>Compulsory - selective courses (B)</b>	FAEZ1_11	Mazánková	Economics of Health Care	3	1/1/0 Ex	
	FAIL1_16	Rotrekl	Immunology for Pharmacists	3	2/0/0 Ex	
	FAMG1_16	Hošek	Methods of Molecular Biology	2	1/0/0 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
	FACF1_15	Farsa	Chemistry of Pharmaceutical Excipients	3		1/1/0 Ex

<b>Selective courses (C)</b>	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	
	FAIC1_15	Opatřilová	Interactions of Medicines, People and Environment	3	2/0/0 Ex	
	FAAD1_FAF	Šmejkal	Advances in Pharmacy	2	1/0/0 Cr	1/0/0 Cr
	FARI2_11	Ambrus	Managed Pharmaceutical Practice II - 2 weeks	2		0/40/0 Cr
	FAMF1_15	Opatřilová	Forensic Analysis Methods	3		2/0/0 Ex
	FASI1_15	Opatřilová	Substance Interactions Analysis	3		2/0/0 Ex

**FOURTH YEAR**

		<b>Guarantor /Teacher</b>	<b>Course</b>	<b>ECTS</b>	<b>Autumn</b>	<b>Spring</b>
<b>Compulsory courses (A)</b>	<b>FAFP1_11</b>	Vašut	Pharmaceutical Care I	2	1/1/0 Cr	
	<b>FAPE1_11</b>	Smejkalová	Pharmacy Law and Ethics	4	2/1/0 Ex	
	<b>FAFO1_13</b>	Kubová	Dosage Forms and Biopharmacy I	5	3/6/0 Cr	
	<b>FAFT2_14</b>	Kollár	Pharmacology II **	7	3/3/0 Ex	
	<b>FAAL1_15</b>	Opatřilová	Analysis of Drugs	8	2/3/0 Ex	
	<b>FABU1_15</b>	Farsa	Biopharmaceuticals	2	1/0/0 Ex	
	<b>FACD1</b>		Diploma Thesis I	4	0/4/0 Cr	
	<b>FAFP2_11</b>	Vašut	Pharmaceutical Care II **	4		1/2/0 Ex
	<b>FASF1_11</b>	Kolář	Social Pharmacy	4		2/1/0 Ex
	<b>FAFO2_13</b>	Kubová	Dosage Forms and Biopharmacy II **	11		3/6/0 Ex
	<b>FAKF1_14</b>	Horská	Pharmacotherapy and Clinical Pharmacology	5		3/0/0 Ex
	<b>FACD2</b>		Diploma Thesis II	4		0/4/0 Cr

**Credits total**
**60**

<b>Compulsory - selective courses (B)</b>	<b>FAVP1_14</b>	Horská	Non-prescription Medicines	3	1/1/0 Ex	
	<b>FATL1_12</b>	Šmejkal	Toxicology of Natural Compounds	4	2/1/0 Ex	
	<b>FAKP1_13</b>	Kubová	Cosmetic Products	3		2/0/0 Ex
	<b>FAVG1_13</b>	Gajdziok	Advanced Drug Delivery	4		1/2/0 Ex
	<b>FANL1_13</b>	Vysloužil	Technology of Hospital Pharmaceuticals	3		1/1/0 Ex
	<b>FAFK1_14</b>	Kauerová	Pharmacokinetics	3		1/0/1 Ex
	<b>FAKC1_11</b>	Lžičar	Pharmacy Counselling	2		0/1/0 Cr

<b>Selective courses (C)</b>	<b>FAAM1_13</b>	Elbl	Additive Manufacturing in Pharmaceutical Technology	3	1/1/0 col	
	<b>FAMI1_12</b>	Malaník	Modern Methods of Extraction and Identification of Natural Compounds	2	1/0/0 Ex	
	<b>FASC1_12</b>	Jurček	Supramolecular Pharmacy	3	2/0/0 Ex	
	<b>FATD1_14</b>	Horská	Therapeutic Drug Monitoring in Clinical Practice	2	1/0/0 Ex	
	<b>FAHT1_11</b>	Grega	Health Technology Assessment	3		1/1/0 col

FIFTH YEAR

		<b>Guarantor/ Teacher</b>	<b>Course</b>	<b>ECTS</b>	<b>Autumn</b>	<b>Spring</b>
<b>Compulsory courses (A)</b>	<b>FASM1_11</b>	Mazánková	Internship II - 24 weeks	24	0/40/0 Cr	
	<b>FACD3</b>		Diploma Thesis III	20		0/20/0 Cr
<b>Credits total</b>				<b>44</b>		

<b>Selective courses (C)</b>	<b>FAKJ1_15</b>	Opatřilová	Selected Methods of Drug Quality Control	2	1/0/0 Ex	
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