

**CURRICULUM FOR THE ACADEMIC YEAR 2018/2019**

Curriculum of the English Master Study Programme

**Pharmacy**

At the Faculty of Pharmacy

**University of Veterinary and Pharmaceutical Sciences Brno****First Year of Study**

		<b>Teacher</b>	<b>Course</b>	ECTS	<b>Winter*</b>	<b>Summer*</b>
<b>Compulsory courses</b>	<b>3110/FAUD1</b>	Ambrus	Introduction to Study and History of Pharmacy	3	3/0/0 Ex	
	<b>3120/FABR1</b>	Babula	Botany I	4	2/0/2 Cr	
	<b>3140/FAOB1</b>	Kizek	Biology	5	2/2/0 Ex	
	<b>3140/FAPP1</b>	Frydrych	Premedical First Aid	2	1/0/1 Ex	
	<b>3140/FAMC1</b>	Chalupova	Human Morphology	4	2/1/0 Ex	
	<b>3150/FAAC1</b>	Gonec	General and Inorganic Chemistry	8	3/3/0 Ex	
	<b>9750/FAOL1</b>	Ritickova	Professional Latin I	1	0/0/1 Cr	
	<b>3110/FALE1</b>	Maceskova	Introduction to Pharmacy	3		1/0/1 Ex
	<b>3120/FABR2</b>	Babula	Botany II	5		2/0/2 Ex
	<b>3130/FASU1</b>	Vetchy	Physical Chemistry and Fundamentals of Colloid chemistry	6		2/2/0 Ex
	<b>3130/FABF1</b>	Muselik	Biophysics	3		2/0/0 Ex
	<b>3150/FAOC1</b>	Bobal	Organic Chemistry	10		5/4/0 Ex
	<b>9750/FAOL2</b>	Ritickova	Professional Latin II	3		0/0/2 Ex
			<b>Lessons, exams and credits total</b>	<b>57</b>	<b>13/6/4</b>	<b>12/6/5</b>
<b>Selective courses</b>	<b>3150/FALT1</b>	Kroutil	Basic Chemical Calculations	2	0/2/0 Cr	
	<b>9760/FATV1</b>	Kratky	Physical Education I	1	0/2/0 Cr	
	<b>3110/FAPL1</b>	Maceskova	Introductory Pharmacy Internship	2		2weeks Cr
	<b>3130/FABF2</b>	Muselik	Biophysics – Laboratory Practice	2		0/2/0 Cr
	<b>3150/FASO1</b>	Bobal	Organic Chemistry Seminary	2		0/0/2 Cr
	<b>9760/FATV2</b>	Kratky	Physical Education II	1		0/2/0 Cr
			<b>Credits total</b>	<b>11</b>		

\* Lectures / Practical Classes / Seminars

Ex... Examination

Cr... Credit

**50 credits is the minimal requirement for enrolment to the 2<sup>nd</sup> year of study**

## Second Year of Study

		<b>Teacher</b>	<b>Course</b>	ECTS	<b>Winter</b>	<b>Summer</b>
<b>Compulsory courses</b>	<b>3140/FAPC1</b>	Parak	Physiology and Pathophysiology I	4	2/1/0 Cr	
	<b>3150/FAAI1</b>	Pazourek	Analytical Chemistry I	3	2/3/0 Cr	
	<b>3160/FAMB1</b>	Feit	Microbiology	5	2/2/0 Ex	
	<b>3160/FABC1</b>	Brazdova	Biochemistry	6	3/1/0 Ex	
	<b>3120/FAME1</b>	Brazdova	Molecular Biology	2	2/0/0 Ex	
	<b>9750/FACJ1</b>	Ritickova	Czech Language	2	0/0/2 Ex	
	<b>3120/FAFY1</b>	Smejkal	Phytochemistry	3		1/1/0 Cr
	<b>3140/FAPC2</b>	Parak	Physiology and Pathophysiology II	6		2/2/0 Ex
	<b>3150/FAAI2</b>	Pazourek	Analytical Chemistry II	7		2/3/0 Ex
	<b>3150/FAFB1</b>	Farsa	Medicinal Chemistry I	3		3/0/1 Cr
			<b>Lessons, exams and credits total</b>	<b>41</b>	<b>11/7/2</b>	<b>8/6/1</b>
<b>Compulsory - selective</b>	<b>2340/FACP1</b>	Vorlova	Food Chemistry and Principles of Dietology	2	2/0/0 Ex	
	<b>3110/FARI1</b>	Ambrus	Managed Pharmaceutical Practice	2		2 weeksCr
	<b>3120/FAPH1</b>	Hassan	Phytopathology	3		2/0/1 Ex
	<b>3150/FAIS1</b>	Pazourek	Statistics	5		2/2/0 Ex
	<b>3160/FAPB1</b>	Brazdova	Pathobiochemistry	4		2/1/0 Ex
			<b>Credits total</b>	<b>22</b>		
<b>Selective courses</b>	<b>9760/FATE1</b>	Kratky	Physical Education III	1	0/2/0 Cr	
	<b>9750/FACJ2</b>	Ritickova	Advanced Czech Language	2		0/0/2 Ex
	<b>9760/FATE2</b>	Kratky	Physical Education IV	1		0/2/0 Cr
			<b>Credits total</b>	<b>4</b>		

**100 credits is the minimal requirement for enrolment to the 3<sup>rd</sup> year of study**

### Third Year of Study

		<b>Teacher</b>	<b>Course</b>	ECTS	<b>Winter</b>	<b>Summer</b>
<b>Compulsory courses</b>	<b>3110/FALK1</b>	Smejkalova	Pharmacy Practice	4	2/0/2 Ex	
	<b>3120/FAFG1</b>	Smejkal	Pharmacognosy I	4	2/4/0 Cr	
	<b>3130/FALF1</b>	Vetchy	Theory of Medical Forms	4	2/1/0 Ex	
	<b>3150/FAFB2</b>	Farsa	Medicinal Chemistry II	11	3/5/0 Ex	
	<b>3110/FARP1</b>	Smejkalová	Internship I – 2 weeks	2		2 weeksCr
	<b>3120/FAFG2</b>	Smejkal	Pharmacognosy II	10		2/5/0 Ex
	<b>3140/FATO1</b>	Parak	Toxicology	4		2/1/0 Ex
	<b>3140/FAFT1</b>	Kollar	Pharmacology I	7		3/0/3 Cr
			<b>Lessons, exams and credits total</b>	<b>46</b>	<b>9/10/2</b>	<b>7/6/3</b>
<b>Compulsory - selective</b>	<b>3110/FAEZ1</b>	Mazankova	Health Care Economics	2	1/0/1 Ex	
	<b>3120/FAEK1</b>	Babula	General Ecology and Ecology of Human Health	2	2/0/0 Ex	
	<b>3120/FAEP1</b>	Babula	Explant Cultures	3	1/1/0 Ex	
	<b>3120/FAFF1</b>	Dankova	Phytopharmaceuticals	2		1/0/0 Ex
	<b>3150/FAZV1</b>	Farsa, Gonec	Molecular Principles of Drug Design	4		2/1/0 Ex
			<b>Credits total</b>	<b>44</b>		

**150 credits is the minimal requirement for enrolment to the 4<sup>th</sup> year of study**

### Fourth Year of Study

		<b>Teacher</b>	<b>Course</b>	<b>ECTS</b>	<b>Winter</b>	<b>Summer</b>
<b>Compulsory courses</b>	<b>3110/FAFP1</b>	Vasut	Pharmaceutical Care I	1	1/0/1 Cr	
	<b>3110/FAPE1</b>	Smejkalova	Pharmacy Law and Ethics	4	2/0/1 Ex	
	<b>3130/FAFO1</b>	Kubova	Medical Forms and Biopharmacy I	5	3/6/0 Cr	
	<b>3140/FAFT2</b>	Kollar	Pharmacology II	7	3/0/3 Ex	
	<b>FACD1</b>		Diploma Thesis I	4	0/4/0 Cr	
	<b>3110/FAFP2</b>	Vasut	Pharmaceutical Care II	4		1/0/2 Ex
	<b>3110/FASF1</b>	Kolar	Social Pharmacy	4		2/0/1 Ex
	<b>3130/FAFO2</b>	Kubova	Medical Forms and Biopharmacy II*	11		3/6/0 Ex
	<b>3140/FAKF1</b>	Kotolova	Pharmacotherapy and Clinical Pharmacology	5		3/0/0 Ex
	<b>3150/FAAL1</b>	Opatrilova	Analysis of Drugs	8		2/3/0 Ex
	<b>FACD2</b>		Diploma Thesis II	4		0/4/0 Cr
			<b>Lessons, exams and credits total</b>	<b>57</b>	<b>9/10/5</b>	<b>11/13/3</b>
<b>Compulsory - selective courses</b>	<b>3120/FATL1</b>	Smejkal	Toxicology of Natural Compounds	4	2/1/0 Ex	
	<b>3140/FAVP1</b>	Kotolova	Pharmacological and Social Aspects of OTC Drugs	3	1/0/1 Ex	
	<b>3110/FAFE1</b>	Dohnal	Pharmacoeconomics	2		1/0/0 Ex
	<b>3110/FAKC1</b>	Lzicar	Consulting in Pharmacy	1		0/0/1 Ex
	<b>3120/FAHPI</b>	Sychrova	Homeopathic Drugs	2		2/0/0 Ex
	<b>3130/FAKP1</b>	Kubova	Cosmetic Products	3		2/0/0 Ex
	<b>3130/FAVG1</b>	Kubova	Advanced Drug Delivery *	4		1/2/0 Ex
	<b>3130/FAMH1</b>	Vetchy	Methods of Evaluation and Forming Formulation Files of the Drugs	2		1/0/1 Ex
	<b>3130/FANL1</b>	Vyslouzil	Hospital Pharmaceutics and their Technology	3		1/1/0 Ex
	<b>3140/FACT1</b>	Frydrych	Cardiovascular Pharmacotherapy	3		2/0/1 Ex
	<b>3140/FAGF1</b>	Chalupova	Geriatric Pharmacotherapy	3		2/0/0 Ex
	<b>3140/FAIF1</b>	Frydrych	Immunopharmacology	4		2/0/1 Ex
	<b>3150/FABU1</b>	Farsa	Biological Drugs	2		1/0/0 Ex
			<b>Credits total</b>	<b>46</b>		

\* Prerequisite for registration of FAFO2 and FAVG1: passed FAFO1

\* Prerequisite for registration of FASP1: passed FAFM1

**200 credits is the minimal requirement for enrolment to the 5<sup>th</sup> year of study**

### Fifth Year of Study

		Teacher	Course	ECTS	Winter	Summer
<b>Compulsocourses</b>	<b>FACD3</b>		Diploma Thesis III	18	6 weeksCr	
	<b>3110/FASM1</b>	Saloun	Internship II - 24 Weeks	24	24 weeks Cr	
			<b>Lessons, exams and credits total</b>	<b>40</b>		
	<b>3150/FAKJ1</b>	Opatrilova	Selected Methods of Drug Quality Control	2	1/0/0 Ex	
			<b>Credits total</b>	<b>7</b>		

**300 credits is the minimal requirement for FINAL STATE EXAMINATION**

#### **Final State Examination:**

Social Pharmacy – Pharmacy Practice

Pharmacognosy

Pharmaceutical Technology

Pharmacology and Toxicology

Medicinal Chemistry

And

Diploma Thesis Defence