

## Faculty of Pharmacy Study plan 2021

Courses	Credit hours
University Compulsory courses	15
University Elective courses	12
Faculty Compulsory courses	21
Core Compulsory courses	113
Core Elective courses	9
<b>Total</b>	<b>170</b>

(1) Faculty Compulsory courses: 21 credit hours:

Course No.	Course title	Credit hours	Weekly hours		Pre-requisite
			Theory	Practical	
SCC101	General Chemistry for Medical Students	3	3	-	-
SCC111	General Biology for Medical Students	3	3	-	-
MATH101	Calculus	3	3	-	-
SCC121	General Physics for Medical Students	3	3	-	-
PHRM120	Human Anatomy and physiology	3	3	-	SCC111 PHRM121 Co-requisite
PHRM121	Human Anatomy and physiology practical	1	-	3	PHRM120 Co-requisite
PHRM220	Pathophysiology for Pharmacy	3	3	-	PHRM120
PHRM221	Biostatistics for Pharmacy	2	2	-	MATH 101

## (2) Core Comulsory courses: (113) credit hours:

Course No.	Course title	Credit hours	Weekly Hours		Pre-requisite
			Theory	Practical	
PHRM110	Pharmaceutical Analytical Chemistry	3	3	-	SCC101 PHRM111 Co-requisite
PHRM111	Pharmaceutical Analytical Chemistry Practical	1	-	3	PHRM110 Co-requisite
SCC105	Pharmaceutical Organic Chemistry-1	2	2	-	SCC101
PHRM210	Pharmaceutical Organic Chemistry-2	3	3	-	SCC105 PHRM211 Co-requisite
PHRM211	Pharmaceutical Organic Chemistry Practical	1	-	3	PHRM210 Co-requisite
PHRM212	Physical Pharmacy and Pharmaceutics	3	3	-	PHRM110 SCC121 PHRM213 Co-requisite
PHRM213	Physical Pharmacy and Pharmaceutics Practical	1	-	3	PHRM 212 Co-requisite
PHRM214	Pharmaceutical Microbiology	3	3	-	SCC111 PHRM220 PHRM215 Co-requisite
PHRM215	Pharmaceutical Microbiology Practical	1	-	3	PHRM214 Co-requisite
PHRM216	Biochemistry	3	3	-	SCC111 PHRM210
PHRM310	Instrumental Analysis	3	3	-	PHRM110 PHRM210 PHRM311 Co-requisite
PHRM311	Instrumental Analysis Practical	3	3	-	PHRM310 Co-requisite
PHRM312	Medicinal Chemistry-1	3	3	-	PHRM216
PHRM313	Phytotherapy and Phytochemistry	3	3	-	PHRM216 PHRM314 Co-requisite
PHRM314	Phytotherapy and Phytochemistry Practical	1	-	3	PHRM313 Co-requisite
PHRM315	Medicinal Chemistry-2	3	3	-	PHRM312 PHRM316 Co-requisite
PHRM316	Medicinal Chemistry-2 Practical	1	-	3	PHRM315 Co-requisite
PHRM230	Pharmaceutical ccompounding and dosage forms	3	3	-	PHRM212 PHRM231 Co-requisite
PHRM231	Pharmaceutical compounding and dosage forms Practical	1	-	3	PHRM230 Co-requisite
PHRM330	Pharmaceutical Technology-1	3	3	-	PHRM230 PHRM331 Co-requisite
PHRM331	Pharmaceutical Technology-1 Practical	1	-	3	PHRM330 Co-requisite
PHRM332	Pharmaceutical Biotechnology	3	3	-	PHRM214
PHRM333	Pharmaceutical Technology-2	3	3	-	PHRM330
PHRM430	Drug Delivery systems	2	2	-	PHRM333
PHRM431	Cosmetics	2	2	-	PHRM333
PHRM340	Pharmacology-1	3	3	-	PHRM220 PHRM214

Course No.	Course title	Credit hours	Weekly Hours		Pre-requisite
			Theory	Theory	
PHRM341	Pharmacology-2	3	3	-	PHRM340
PHRM342	Biopharmaceutics	2	2	-	PHRM230 PHRM212
PHRM440	Phytotherapy	2	2	-	PHRM313
PHRM441	Therapeutics-1	3	3	-	PHRM341 PHRM312
PHRM442	Clinical Biochemistry	3	3	-	PHRM216
PHRM443	Pharmacokinetics	2	2	-	PHRM342 PHRM444 Co-requisite
PHRM444	Case Studies in Pharmacokinetics	1	-	3	PHRM443 Co-requisite
PHRM445	Therapeutics-2	3	3	-	PHRM441
PHRM446	Non-Prescription Drugs	2	2	-	PHRM441 PHRM453 Co-requisite
PHRM447	Immunology	2	2	-	PHRM220 PHRM332
PHRM448	Clinical Nutrition	1	1	-	PHRM441 PHRM442
PHRM450	Patient-centered Pharmaceutical Care	2	2	-	PHRM341 PHRM451 Co-requisite
PHRM451	Pharmacy Practice-1 Practical	1	-	3	PHRM341 PHRM450 Co-requisite
PHRM452	Evidence-Based and drug information Pharmacy Practice	2	2	-	PHRM341 PHRM221
PHRM453	Pharmacy Practice-2 Practical	1	-	3	PHRM446 Co-requisite
PHRM454	Pharmaceutical Ethics and Legislations	3	3	-	PHRM340
PHRM460	Community Pharmacy Training	3	-	3	Successfully Pass 90 credit hours
PHRM540	Therapeutics-3	3	3	-	PHRM445
PHRM541	Advanced Pharmacology and Toxicology	3	3	-	PHRM341 PHRM445
PHRM542	Health Informatics and Global and Public Health in Pharmacy	2	2	-	PHRM452
PHRM455	Clinical Cases Practical	1	-	3	PHRM445 PHRM561 Co-requisite
PHRM550	Pharmacoeconomics	3	3	-	PHRM340
PHRM551	Pharmaceutical Marketing	3	3	-	PHRM560
PHRM560	Principles of Business administration for Pharmacy	2	2	-	PHRM460
PHRM561	Clinical Training	3	-	3	PHRM441 PHRM455 Co-requisite

(3) **Elective Core Courses:** Students have to choose courses equivalent to (9) credit hours from the following courses:

Course No.	Course title	Credit hours	Weekly hours		Pre-requisite
			Theory	Practical	
PHRM510	Selected Topics in Physical Pharmacy	3	3	-	PHRM212 PHRM430
PHRM511	Drug Design	3	3	-	PHRM315
PHRM512	Organometallic Chemistry	3	3	-	PHRM315
PHRM513	Selected Topics in Pharmaceutical Microbiology	3	3	-	PHRM447
PHRM514	Selected Topics in Pharmacy	3	3	-	PHRM333
PHRM520	Metabolic Diseases and Metabolic Modulators	3	3	-	PHRM220 PHRM442
PHRM530	Biological Drugs	3	3	-	PHRM332
PHRM531	Nanotechnology in Pharmacy	3	3	-	PHRM333
PHRM532	Pharmaceutical Intellectual Properties	3	3	-	PHRM454
PHRM533	Research and Development in Pharmacy	3	3	-	PHRM430
PHRM534	Radiopharmacy	3	3	-	PHRM333
PHRM535	Global requirements for licensing and marketing of drugs	3	3	-	PHRM333 PHRM454
PHRM543	Selected Topics in Therapeutics	3	3	-	PHRM445
PHRM544	Pharmacogenetics	3	3	-	PHRM341
PHRM545	Addictive Pharmacology, Abuse and Dependence	3	3	-	PHRM341 PHRM445
PHRM546	Selected Topics in Medicinal Plants and Alternative Medicine	3	3	-	PHRM440
PHRM547	Experimental and Applied Therapeutics	3	3	-	PHRM341 PHRM445
PHRM548	Innovation in Applied Pharmacology	3	3	-	PHRM341 PHRM445
PHRM549	Selected topics in Neuromedicine	3	3	-	PHRM341 PHRM445
PHRM552	Medicines Review and Disease Management	3	3	-	PHRM450

Course No.	Course title	Credit hours	Weekly hours		Pre-requisite
			Theory	Practical	
PHRM553	Selected Topics in Pharmacy Practice	3	3	-	PHRM450
PHRM554	Research Methods in Pharmacy Practice	3	3	-	PHRM450
PHRM555	Health Behavior Theories and Models	3	3	-	PHRM450
PHRM556	Sociology in Pharmacy	3	3	-	PHRM450
PHRM557	Pharmacoepidemiology	3	3	-	PHRM221 PHRM452
PHRM558	Para pharmaceuticals	3	3	-	PHRM446