

Faculty of pharmacy

Advisory study plan

2021

First Academic Year – First Semester

Course No.	Course Name	Credit Hours	Weekly hours		Pre-requisite(s)
			Theory	Practical	
CHEM 103	General Chemistry for Medical Students	3	3	0	-
BIO 111	General Biology for Medical Students	3	3	0	-
MATH 101	Calculus	3	3	0	-
EL 101	English language	3	3	0	-
AL 101	Arabic language	3	3	0	-
	Total	15	15	0	

First Academic Year – Second Semester

Course No.	Course Name	Credit Hours	Weekly hours		Pre-requisite(s)
			Theory	Practical	
PHYS 108	General Physics (1)	3	3	0	-
PHRM 110	Pharmaceutical Analytical Chemistry	3	3	0	- CHEM 103 - PHRM 111 co-requisite
PHRM 111	Pharmaceutical Analytical Chemistry Lab	1	0	3	- CHEM 103 - PHRM 110 co-requisite
PHRM 120	Human Anatomy and Physiology	3	3	0	- BIO 111 - PHRM 121 co-requisite
PHRM 121	Human Anatomy and Physiology Practical	1	0	3	- BIO 111 - PHRM 120 co-requisite t
CHEM 215	Pharmaceutical Organic Chemistry (1)	2	2	0	-CHEM 103
-	Elective University Requirement - 1	3	3	0	-
	Total	16	14	6	

First Academic Year –Summer Semester

Course No.	Course Name	Credit Hours	Weekly hours		Pre-requisite(s)
			Theory	Practical	
MILT 100	Military Sciences	3	3	0	-
	Total	3	3	0	

Second Academic Year First Semester

Course No.	Course Name	Credit Hours	Weekly hours		Pre-requisite(s)
			Theory	Practical	
PHAR 210	Pharmaceutical Organic Chemistry (2)	3	3	0	- PHRM 112 - PHRM 211 co-requisite
PHAR 211	Pharmaceutical Organic Chemistry (2) Lab	1	0	3	- PHRM 112 - PHRM 210 co-requisite
PHAR 212	Pharmaceutics and Physical Pharmacy	3	3	0	- CHEM 103 + PHYS 108 - PHRM 213 co-requisite
PHAR 213	Pharmaceutics and Physical Pharmacy Lab	1	0	3	- PHAR 111 - PHRM 212 co-requisite
PHAR 220	Pathophysiology for Pharmacy	3	3	0	- PHRM 120 - PHRM 121
-	Elective University Requirement – 2	3	3	0	-
-	Elective University Requirement – 3	3	3	0	-
	Total	17	15	6	

Second Academic Year – Second Semester

Course No.	Course Name	Credit Hours	Weekly hours		Pre-requisite(s)
			Theory	Practical	
PHRM 230	Pharmaceutical Dosage Forms and Dispensing	3	3	0	- PHRM 212 - PHRM 231 co-requisite
PHRM 231	Pharmaceutical Dosage Forms and Dispensing Lab	1	0	3	- PHRM 212 - PHRM 230 co-requisite
PHRM 214	Pharmaceutical Microbiology	3	3	0	- BIO 111 - PHRM 220 - PHRM 215 co-requisite
PHRM 215	Pharmaceutical Microbiology Lab	1	0	3	PHRM 214 co-requisite
PHRM 216	Biochemistry	3	3	0	- BIO 111 - PHRM 210
PHRM 221	Biostatistics for Pharmacy	2	2	0	MATH 101
-	Elective University Requirement – 4	3	3	0	-
	Total	16	14	6	

Second Academic Year –Summer Semester

Course No.	Course Name	Credit Hours	Weekly hours		Pre-requisite(s)
			Theory	Practical	

HUM 117	Entrepreneurship and Innovation	1	1	0	-
HUM 119	Life Skills	1	1	0	-
HUM 118	Leadership and social Responsibility	1	1	0	-
	Total	3	3	0	

Third Academic Year– First Semester

Course No.	Course Name	Credit Hours	Weekly hours		Pre-requisite(s)
			Theory	Practical	
PHRM 330	Pharmaceutical Technology – 1	3	3	0	-PHRM 230 -PHRM 331 concurrent
PHRM 331	Pharmaceutical Technology Practical	1	0	3	-PHRM 231 -PHRM 330 co-requisite
PHRM 340	Pharmacology (1)	3	3	0	-PHRM 220 -PHRM 214
PHRM 312	Medicinal Chemistry (1)	3	3	0	-PHRM 210
PHRM 310	Instrumental Analysis	3	3	0	-PHRM 110 -PHRM 210 -PHRM 311 co-requisite
PHRM 311	Instrumental Analysis Lab	1	0	3	-PHRM 111 -PHRM 211 -PHRM 310 co-requisite
PHRM 332	Pharmaceutical Biotechnology	3	3	0	-PHRM 214
	Total	17	15	6	

Third Academic Year – Second Semester

Course No.	Course Name	Credit Hours	Weekly hours		Pre-requisite(s)
			Theory	Practical	
PHRM 313	Chemistry of Natural Products	3	3	0	-PHRM 310 -PHRM 314 co-requisite
PHRM 314	Chemistry of Natural Products Lab	1	0	3	-PHRM 311 -PHRM 313 co-requisite
PHRM 315	Medicinal Chemistry (2)	3	3	0	-PHRM 312 -PHRM 316 co-requisite
PHRM 316	Medicinal Chemistry (2) Lab	1	0	3	-PHRM 311 -PHRM 315 co-requisite
PHRM 333	Pharmaceutical Technology (2)	3	3	0	PHRM 330
PHRM 342	Biopharmaceutics	2	2	0	PHRM 230 PHRM 212
PHRM 341	Pharmacology (2)	3	3	0	PHRM 340
	Total	16	14	6	

Third Academic Year –Summer Semester

Course No.	Course Name	Credit Hours	Weekly hours		Pre-requisite(s)
			Theory	Practical	
PS 102	National Education	3	3	0	-
	Total	3	3	0	

Fourth Academic Year First Semester

Course No.	Course Name	Credit Hours	Weekly hours		Pre-requisite(s)
			Theory	Practical	
PHRM 440	Phytotherapy	2	2	0	-PHRM 313
PHRM 450	Patient Centered Care	2	2	0	-PHRM 341 -PHRM 451 co-requisite
PHRM 451	Pharmacy Practice Lab (1)	1	0	3	-PHRM 341 -PHRM 441 co-requisite -PHRM 450 co-requisite
PHRM 441	Therapeutics (1)	3	3	0	-PHRM 341 -PHRM 312 -PHRM 451 co-requisite -PHRM 442 co-requisite
PHRM 452	Evidence-Based Practice and Drug Information	2	2	0	-PHRM 341 -PHRM 221
PHRM 442	Clinical Biochemistry	3	3	0	-PHRM 216 -PHRM 441 co-requisite
PHRM 443	Pharmacokinetics	2	2	0	-PHRM 342 -PHRM 444 co-requisite
PHRM 444	Pharmacokinetics Cases	1	0	3	-PHRM 443 co-requisite
	Total	16	14	6	

Fourth Academic Year – Second Semester

Course No.	Course Name	Credit Hours	Weekly hours		Pre-requisite(s)
			Theory	Practical	
PHRM 453	Pharmacy Practice Lab (2)	1	0	3	-PHRM451 -PHRM445 co-requisite
PHRM 430	Drug Delivery	2	2	0	-PHRM 333
PHRM 448	Clinical Nutrition	1	1	0	-PHRM441 -PHRM442
PHRM 445	Therapeutics (2)	3	3	0	-PHRM441 -PHRM315 -PHRM453 co-requisite
PHRM 446	Over-the-Counter Medicines	2	2	0	-PHRM441 -PHRM453 co-requisite

PHRM 454	Pharmaceutical Ethics, Law and Regulatory Affairs	3	3	0	-PHRM450 -PHRM333
PHRM 447	Immunology –	2	2	0	-PHRM220 -PHRM332
PHRM 431	Cosmetic Products –	2	2	0	-PHRM333
	Total	16	15	3	

Fourth Academic Year – Summer Semester

Course No.	Course Name	Credit Hours	Weekly hours		Pre-requisite(s)
			Theory	Practical	
PHRM 460	Community Pharmacy Training (1)	3	0	9	-PHRM445 -PHRM453 -PHRM455 co-requisite
PHRM 455	Clinical Cases Lab	1	0	3	-PHRM445 -PHRM453
	Total	4	0	12	

Fifth Academic Year – First Semester

Course No.	Course Name	Credit Hours	Weekly hours		Pre-requisite(s)
			Theory	Practical	
PHRM 540	Therapeutics (3)	3	3	0	-PHRM 445
PHRM 550	Pharmacoeconomics	3	3	0	-PHRM 452
PHRM 541	Advanced Pharmacology and Toxicology	3	3	0	-PHRM 341 -PHRM 445
PHRM 542	Health Informatics and Global and Public Health in Pharmacy	2	2	0	-PHRM 452
PHRM 560	Principles of Pharmaceutical Business Administration	2	2	0	-PHRM 460
-	Elective Faculty Requirement - 1	3	3	0	-
	Total	16	16	0	

Fifth Academic Year – Second Semester

Course No.	Course Name	Credit Hours	Weekly hours		Pre-requisite(s)
			Theory	Practical	
PHRM 551	Pharmaceutical Marketing	3	3	0	-PHRM 560
PHRM 561	Community Pharmacy Training (2)	3	0	9	-PHRM 540 -PHRM 460
-	Elective Faculty Requirement – 2	3	3	0	-
-	Elective Faculty Requirement – 3	3	3	0	-
	Total	12	9	9	