

BSc Pharmacy - Guidance Plan 2021/2022

First Year									
First Semester					Second Semester				
Course No.	Course Name	Week Hours		Credit Hours	Course No.	Course Name	Week Hours		Credit Hours
		Theory	Practical				Theory	Practical	
0420820	General Chemistry for pharmacy students	3	-	3	0201111	Physical Pharmacy	2	-	2
0420821	General Chemistry Lab	-	3	1	0201112	Pharmaceutical Organic Chemistry (1)	3	-	3
0420818	Biology for pharmacy students	3	-	3	0201133	Anatomy and Physiology (1)	3	-	3
0420151	National education	3	-	3	0420115	Communication Skills in Arabic	3	-	3
0420261	Entrepreneurship and Innovation	3	-	3	0420123	Communication Skills in English	3	-	3
Total				13	Total				14
Second Year									
First Semester					Second Semester				
Course No.	Course Name	Week Hours		Credit Hours	Course No.	Course Name	Week Hours		Credit Hours
		Theory	Practical				Theory	Practical	
0201210	Analytical Chemistry	2	-	2	0201219	Biochemistry	3	-	3
0201212	Pharmaceutical Organic Chemistry Lab	-	3	1	0201220	Pharmaceutics	3	-	3
0201216	Pharmaceutical Organic Chemistry (2)	3	-	3	0201239	Pathophysiology	2	-	3
0201237	Pharmaceutical Microbiology	3	-	3	0420271	Life Skills	3	-	3
0201238	Pharmaceutical Microbiology Lab	-	3	1	-	University Elective Requirement	3	-	3
0201280	Anatomy and Physiology (2)	3	-	3					
0201281	Anatomy and Physiology Lab	-	3	1					
0420241	Leadership and Social Responsibility	3	-	3					
Total				17	Total				15
Third Year									
First Semester					Second Semester				
Course No.	Course Name	Week Hours		Credit Hours	Course No.	Course Name	Week Hours		Credit Hours
		Theory	Practical				Theory	Practical	
0201224	Pharmaceutical Dosage Forms (1)	2	-	2	0201362	Medicinal Chemistry (2)	3	-	3
0201310	Medicinal Chemistry (1)	2	-	2	0201363	Medicinal Chemistry Lab	-	3	1
0201330	Pharmacology (1)	2	-	2	0201364	Chemistry of Natural Products	3	-	3
0201336	Immunology	2	-	2	0201370	Pharmaceutical Dosage Forms (2)	2	-	2
0201339	Drug Information and Health Informatics	-	3	1	0201371	Dispensing Lab	-	3	1
0201360	Instrumental Analysis	3	-	3	0201381	Pharmacology (2)	3	-	3
0201361	Pharmaceutical Analysis Lab	-	3	1	0201382	Pharmacology Lab	-	3	1
0201380	Clinical Biochemistry and Clinical Nutrition	3	-	3	0201383	Over the Counter Medicines	2	-	1
Total				16	0201384	Pharmacy Practice Lab (1)	-	3	1
Total				16	Total				16
Fourth Year									
First Semester					Second Semester				
Course No.	Course Name	Week Hours		Credit Hours	Course No.	Course Name	Week Hours		Credit Hours
		Theory	Practical				Theory	Practical	
0201372	Biopharmaceutics & Pharmacokinetics	3	-	3	0201426	Cosmetic Products	2	-	2
0201373	Biopharmaceutics & Pharmacokinetics Lab	-	3	1	0201437	Therapeutics (1)	3	-	3
0201416	Medicinal Chemistry (3)	3	-	3	0201438	Evidence-Based Practice	3	-	3
0201433	Pharmacology (3)	3	-	3	0201439	Community Pharmacy Training (2)	-	**	3
0201434	Toxicology	2	-	2	0201443	Pharmaceutical Biotechnology	3	-	3
0201436	Community Pharmacy Training (1)	-	**	3	-	Program Elective Requirement	3	-	3
0201442	Phytotherapy	2	-	2					
Total				17	Total				17
Fifth Year									
First Semester					Second Semester				
Course No.	Course Name	Week Hours		Credit Hours	Course No.	Course Name	Week Hours		Credit Hours
		Theory	Practical				Theory	Practical	
0201444	Pharmaceutical Marketing	2	-	2	0201523	Pharmacoeconomics	2	-	2
0201520	Pharmaceutical Regulatory Affairs	-	3	1	0201537	Therapeutics (3)	3	-	3
0201525	Pharmaceutical Technology	3	-	3	0201538	Pharmacy Practice Lab (2)	-	3	1
0201526	Pharmaceutical Technology Lab	-	3	1	0201539	Global and Public Health in Pharmacy	1	-	1
0201532	Clinical Cases Lab	-	3	1	0201547	Pharmaceutical Ethics and Law	2	-	2
0201535	Therapeutics (2)	3	-	3	0201548	Drug Delivery	3	-	3
-	Program Elective Requirement	3	-	3	-	Major Elective	3	-	3
-	University Elective Requirement	3	-	3	0420101	Military sciences	3	-	3
Total				17	Total				18

**** : 160 hours of training in pharmacies**

BSc Pharmacy - Guidance Plan 2021/2022 (160 Credit Hours)

1. Requirements (27) Credit Hours

1.1 Mandatory Requirement (21) Credit Hours

1.2 University Elective Requirements (06) Credit Hours

1.1 Mandatory Requirement (21) Credit Hours

Course No.	Course Name	Credit Hours	Prerequisite	Faculty
0420151	National Education	3	-	Art
0420261	Entrepreneurship and Innovation	3	Remedial Arabic Language	Art
0420123	Communication Skills in English	3	Remedial English Language	Art
0420241	Leadership and Social Responsibility	3	-	Art
0420171	Life Skills	3	-	Art
0420101	Military Sciences	3	-	Art

1.2 University Elective Requirements (06) Credit Hours

Course No.	Course Name	Credit Hours	Prerequisite	Faculty
0420134	Sports and Health	3	-	Art
0420142	Human Civilization	3	-	Art
0420172	Digital Skills	3	Remedial Computer Skills	Art
0420201	First Aid	3	-	Art
0420112	Islamic Culture	3	-	Art
0420253	Development and Environment	3	-	Art
0420155	Law in Life	3	-	Art
0420341	Principles of German Language	3	-	Art
0420392	Principles of Psychology	3	-	Art

2. Faculty Requirements (25) Credit Hours

Course No.	Course Name	Credit Hours	Weekly Hours		Prerequisite *Co-requisite
			Theory	Practical	
0420820	General Chemistry for pharmacy students	3	3	0	-
0420821	General Chemistry Lab	1	0	3	* General Chemistry for pharmacy students
0420818	Biology for pharmacy students	3	3	0	-
0201112	Pharmaceutical Organic (1) Chemistry	3	3	0	General Chemistry for pharmacy students
0201133	Anatomy and Physiology(1)	3	3	0	Biology for pharmacy students
0201280	Anatomy and Physiology(2)	3	3	0	Anatomy and Physiology(1)
0201281	Anatomy and Physiology Lab	1	0	3	Anatomy and Physiology (1) + *Anatomy and Physiology (2)
0201239	Pathophysiology	3	3	0	Anatomy and Physiology(2)
0201438	Evidence-Based Practice	3	3	0	Biopharmaceutics and Pharmacokinetics +Pharmacology(3) * +Therapeutics(1)
0201547	Pharmaceutical Ethics and Law	2	2	0	Regulatory Affairs

* It means: Mandatory synchronization

** It means: 160 hours of training in pharmacies

3. Major Requirements (108) Credit Hours:

3.1 Mandatory Requirements (99) Credit Hours

3.2 Elective Requirements (09) Credit Hours

3.1 Mandatory Requirements (99) Credit Hours

Course No.	Course Name	Credit Hours	Weekly Hours		Prerequisite *Co-requisite
			Theory	Practical	
0201111	Physical Pharmacy	2	2	0	0420820
0201210	Analytical Chemistry	2	2	0	0201111
0201212	Pharmaceutical Organic Chemistry Lab	1	0	3	+0201112+ 0420821 0201216*
0201216	Pharmaceutical Organic Chemistry(2)	3	3	0	0201212
0201220	Pharmaceutics	3	3	0	0201210* + 0201111
0201219	Biochemistry	3	3	0	0201280 +0201260
0201224	Pharmaceutical Dosage Forms (1)	2	2	0	0201210
0201237	Pharmaceutical Microbiology	3	3	0	0201133
0201238	Pharmaceutical Microbiology Lab	1	0	3	0201237* +0201133
0201310	Medicinal Chemistry(1)	2	2	0	0201330* +0201216
0201330	Pharmacology (1)	2	2	0	0201239
0201336	Immunology	2	2	0	0201239 +0201237
0201339	Drug Information and Health Informatics	1	0	3	0201330 +0201239
0201360	Instrumental Analysis	3	3	0	0201216 +0201210
0201361	Pharmaceutical Analysis Lab	1	0	3	0201360 +0201212
0201370	Pharmaceutical Dosage Forms (2)	2	2	0	0201224
0201371	Dispensing Lab	1	0	3	0201224 +0201370*
0201380	Clinical Biochemistry and Clinical Nutrition	3	3	0	0201239 +0201219
0201362	Medicinal Chemistry(2)	3	3	0	0201310 +0201381*
0201363	Medicinal Chemistry Lab	1	0	3	0201361 +0201362*
0201364	Chemistry of Natural Products	3	3	0	0201360 +0201310
0201372	Biopharmaceutics and Pharmacokinetics	3	3	0	0201330 +0201370
0201373	Biopharmaceutics and Pharmacokinetics Lab	1	0	3	0201330 +0201370 +0201372*
0201381	Pharmacology(2)	3	3	0	0201330
0201382	Pharmacology Lab	1	0	3	0201330 +0201381*
0201383	Over the Counter Medicines	1	1	0	0201330
0201384	Pharmacy Practice Lab(1)	1	0	3	0201330 +0201383*
0201416	Medicinal Chemistry(3)	3	3	0	0201362 +0201433*
0201426	Cosmetic Products	2	2	0	0201370
0201433	Pharmacology (3)	3	3	0	0201237 +0201381
0201434	Toxicology	2	2	0	0201330
0201436	Community Pharmacy Training (1)	3	0	**	0201384+ 0201383
0201442	Phytotherapy	2	2	0	0201330+0201364
0201437	Therapeutics(1)	3	3	0	0201372+ 0201433
0201439	Community Pharmacy Training (2)	3	0	**	0201433+ 0201436
0201443	Pharmaceutical Biotechnology	3	3	0	0201336
0201444	Pharmaceutical Marketing	2	2	0	0201436
0201520	Pharmaceutical Regulatory Affairs	1	0	3	0201439
0201523	Pharmacoeconomics	2	2	0	0201437
0201525	Pharmaceutical Technology	3	3	0	0201370
0201526	Pharmaceutical Technology Lab	1	0	3	0201371+0201525*
0201532	Clinical Cases Lab	1	0	3	0201437
0201535	Therapeutics (2)	3	3	0	0201437
0201537	Therapeutics (3)	3	3	0	0201535
0201538	Pharmacy Practice Lab(2)	1	0	3	0201535+ 0201537*
0201539	Global and Public Health in Pharmacy	1	1	0	0201535+ 0201537*
0201548	Drug Delivery	3	3	0	0201525

3.2 Electives Requirements (09) Credit Hours

Course No.	Course Name	Credit Hours	Weekly Hours		Prerequisite *Co-requisite
			Theory	Practical	
0201450	Selected Topics in Pharmaceutics	3	3	0	0201370
0201452	Pharmaceutical Communication Skills	3	3	0	0201330
0201454	Drug Discovery and Drug Design	3	3	0	0201216+ 0201330
0201455	Selected Topics in Clinical Nutrition	3	3	0	0201380
0201456	Selected Topics in Pharmaceutical Analysis	3	3	0	0201360
0201457	Selected Topics in Microbiology	3	3	0	0201237
0201550	Drug Informatics and Computational Biology	3	3	0	0201416+ 0201433
0201553	Clinical Toxicology	3	3	0	0201434
0201554	Selected Topics in Pharmacology	3	3	0	0201433
0201551	Quality Control	3	3	0	0201525
0201556	Clinical Biostatistics	3	3	0	0201433
0201559	Gene and Protein Therapy	3	3	0	0201443