

**Advisory Plan for B.Sc. Pharmacy 2014-2015**

First year				
First semester				
Course No.	Course Name	Hours weekly		Credit
		Theoretical	Practical	
120141	General chemistry	3	-	3
120142	General chemistry lab	-	3	1
120151	Biology	3	-	3
120152	Biology lab	-	3	1
420111	Arabic language 1	3	-	3
120224	Calculus	3	-	3
Total				14

Second semester				
Course No.	Course Name	Hours weekly		Credit
		Theoretical	Practical	
201231	Anatomy & Histology	2	-	2
201232	Anatomy & Histology lab	-	3	1
120135	General physics	2	-	2
201111	Physical pharmacy	2	-	2
201112	Pharmaceutical organic chemistry 1	3	-	3
420121	English language 1	3	-	3
420151	Nationality Education	3	-	3
Total				16

Second Year				
First semester				
Course No.	Course Name	Hours weekly		Credit
		Theoretical	Practical	
201211	Pharmaceutical organic chemistry 2	2	-	2
201212	Pharmaceutical organic chemistry lab	-	3	1
201221	Pharmaceutics 1	3	-	3
201233	Physiology 1	2	-	2
201234	Physiology lab	-	3	1
	University Requirement	3	-	3
	University Requirement	3	-	3
Total				15

Second semester				
Course No.	Course Name	Hours weekly		Credit
		Theoretical	Practical	
201213	Pharmaceutical analytical chemistry	3	-	3
201214	Pharmaceutical analytical chemistry lab	-	3	1
201215	Pharmacognosy	2	-	2
201222	Pharmaceutics 2	2	-	2
201223	Pharmaceutical calculations	-	3	1
201235	Physiology 2	2	-	2
	University Requirement	3	-	3
	University Requirement	3	-	3
Total				17

Third year				
First semester				
Course No.	Course Name	Hours weekly		Credit
		Theoretical	Practical	
201311	Instrumental analysis	2	-	2
201312	Instrumental analysis lab	-	3	1
201321	Pharmaceutics 3	2	-	2
201322	Pharmaceutics lab	-	3	1
201331	Pharmaceutical microbiology	3	-	3
201332	Pharmaceutical microbiology lab	-	3	1
201333	Pathophysiology	2	-	2
201334	Pathophysiology lab	-	3	1
	University Requirement	3	-	3
Total				16

Second semester				
Course No.	Course Name	Hours weekly		Credit
		Theoretical	Practical	
201313	Pharmaceutical biochemistry	3	-	3
201314	Pharmaceutical biochemistry lab	-	3	1
201335	Pharmacology 1	3	-	3
201432	Pharmacology lab	-	3	1
201315	Phytochemistry	2	-	2
201316	Phytochemistry lab	-	3	1
201336	Immunology	2	-	2
	University Requirement	3	-	3
Total				16

Fourth year				
First semester				
Course No.	Course Name	Hours weekly		Credit
		Theoretical	Practical	
201411	Medicinal chemistry 1	2	-	2
201412	Drug design	1	-	1
201421	Biopharmaceutics and Pharmacokinetics	3	-	3
201422	Biopharmaceutics and pharmacokinetics lab	-	3	1
201431	Pharmacology 2	3	-	3
201441	Homeopathic remedies	3	-	3
	Optional specialization requirement	3	-	3
Total				16

Second semester				
Course No.	Course Name	Hours weekly		Credit
		Theoretical	Practical	
201413	Clinical biochemistry	2	-	2
201414	Medicinal chemistry 2	3	-	3
201415	Medicinal chemistry lab	-	3	1
201423	Industrial pharmacy	3	-	3
201433	Pharmacology 3	3	-	3
201434	Toxicology	2	-	2
201435	Toxicology lab	-	3	1
	Optional specialization requirement	3	-	3
Total				18

Fifth year				
First semester				
Course No.	Course Name	Hours weekly		Credit
		Theoretical	Practical	
201511	Medicinal chemistry 3	3	-	3
201521	Professional pharmacy practice 1	-	3	1
201531	Therapeutics & clinical pharmacy 1	3	-	3
201541	Pharmaceutical technology	3	-	3
201542	Pharmaceutical technology lab	-	3	1
201543	Pharmaceutical marketing	2	-	2
201544	Legislation and pharmaceutical ethics	1	-	1
	Optional specialization requirement	3	-	3
Total				17

Second semester				
Course No.	Course Name	Hours weekly		Credit
		Theoretical	Practical	
201522	Cosmetics preparation	2	-	2
201523	Pharmacoeconomics	2	-	2
201524	Professional pharmacy practice 2	-	3	1
201532	Clinical pharmacy lab 1 (clinical cases)	-	3	1
201533	Therapeutics & clinical pharmacy 2	2	-	2
201534	Clinical pharmacy lab 2 (hospital)	-	3	1
201545	Pharmaceutical biotechnology	3	-	3
420101	Military sciences	3	-	3
Total				15