

Faculty of Pharmacy

**Department of Basic
Pharmaceutical Sciences**

**and Department of Applied
Pharmaceutical Sciences and
Clinical Pharmacy**

**Study Plan for the Bachelor Degree in
Pharmacy**

2022 / 2023

Study Plan Guide

Study Plan Guide for the Bachelor Degree in Pharmacy

First Year				
First Term				
Course No.	Course Title	Cr. hrs.	Prerequisite	Co-requisite
05011103	General Biology for Pharmacy	3		
05011102	General Chemistry for Pharmacy	3		
05011113	Physical Pharmacy	3		
05011114	Physical Pharmacy Lab.	1		05011113
01101112	English Language	3		
	University Elective Requirement	3		
	Total	16		
Second Term				
Course No.	Course Title	Cr. hrs.	Prerequisite	Co-requisite
05011200	Anatomy and Histology	2	05011103	
05011207	Anatomy and Histology Lab.	1	-	05011200
05011212	Pharmaceutical Organic Chemistry	3	05011102	-
05011215	Pharmaceutical Organic Chemistry Lab.	1		05011212
05011205	Mathematics and Pharmaceutical Statistics	3	-	-
05011208	Physiology	3	-	05011207
	University Requirement	3		
	Total	16		

Second Year				
First Term				
Course No.	Course Title	Cr. hrs.	Prerequisite	Co-requisite
05022121	Pharmacognosy	3	05011215	-
05012113	Pharmaceutical Instrumental Analysis	3	05011215	
05012118	Pharmaceutical Analytical Chemistry and Instrumental Analysis Lab	1	-	05012113
05012110	Pharmaceutical Biochemistry	3	05011215	
05012116	Pharmaceutical Biochemistry Lab.	1		05012110
05012107	Pathophysiology	3	05011208	-
	University Requirement	3		
	Total	15		
Second Term				
Course No.	Course Title	Cr. hrs.	Prerequisite	Co-requisite
05022220	Pharmacology (1)	3	05012107	
05022210	Medicinal Chemistry (1)	3	05012116	05022220
05022251	Pharmaceutical Dosage Forms	3	05011113	-
05022252	Pharmaceutical Dosage Forms Lab.	1	-	05022251
05012217	Pharmaceutical Microbiology	3	05011207	-
05012218	Pharmaceutical Microbiology Lab.	1	-	05012217
	University Requirement	3		
	Total	17		

Third Year				
First Term				
Course No.	Course Title	Cr. hrs.	Prerequisite	Co-requisite
05023120	Pharmacology (2)	3	05022220	-
05023112	Medicinal Chemistry (2)	3	05022210	05023120
05023153	Industrial Pharmacy	1	05022252	
05023154	Industrial Pharmacy Lab.	3	-	05023153
05023113	Medicinal Chemistry Lab.	1	-	05023112
05023125	Clinical Biochemistry	2	05012116	-
	University Elective Requirement	3		
	Total	16		
Second Term				
Course No.	Course Title	Cr. hrs.	Prerequisite	Co-requisite
05023223	Pharmacology (3)	3	05023120	-
05023214	Medicinal Chemistry (3)	3	05023113	05023223
05023215	Phytochemistry	3	05022121	-
05023216	Phytochemistry Lab.	1	-	05023215
05013219	Immunology and Vaccines	2	05012218	-
05023224	Biopharmaceutics and Pharmacokinetics	3	05023154	-
05023225	Biopharmaceutics and Pharmacokinetics Lab.	1	-	05023224
	Total	16		

Fourth Year				
First Term				
Course No.	Course Title	Cr. hrs.	Prerequisite	Co-requisite
05024120	Clinical Pharmacy and Therapeutic (1)	3	05023120	-
05024131	Clinical Cases Lab (1)	1	-	05024120
05024125	Over the Counter Medications	3	05023120	-
05024155	Pharmaceutical Biotechnology	3	05023125	-
05024156	Drug Delivery	2	05022252	-
05024132	Pharmacy Legislation and Ethics	1	05023120	-
05024133	Pharmacy Practice Lab (1)	1	05023120	-
05024126	Public Health and Clinical Nutrition	2	05023125	-
	Total	16		

05024220	Clinical Pharmacy and Therapeutic (2)	3	05024120	-
05024234	Clinical Cases Lab (2)	1	-	05024220
05024225	Toxicology	2	05023223	-
05024226	Pharmacology and Toxicology Lab.	1	-	05024225
05024235	Pharmacoeconomics	3	05023120	-
05024236	Pharmacy Practice Lab (2)	1	05024133	-
05024241	Experiential Training in Pharmacy Settings (1)	3	05023223	-
	University Elective Requirement	3		
	Total	17		

Fifth Year				
First Term				
Course No.	Course Title	Cr. hrs.	Prerequisite	Co-requisite
05025122	Clinical Pharmacy and Therapeutic (3)	3	05024220	-
05015157	Drug Design	3	05023214	-
05025142	Experiential Training in Pharmacy Settings (2)	3	05024241	-
05025158	Cosmetics	2	05023154	-
	Department Elective requirement	3		
	Total	14		
Second Term				
Course No.	Course Title	Cr. hrs.	Prerequisite	Co-requisite
05025237	Pharmaceutical Marketing	2	05024235	05025237
05025220	Drug Information lab	1	05023223	05025220
05025238	Evidence-Based Practice	2	05024120	05025238
05025259	Drug Regulatory Affairs	1	05024132	05025259
	Department Elective requirement	3		
	Department Elective requirement	3		
	University Elective requirement	3		
	Total	15		