



# COLLEGE OF PHARMACY

## STUDY PLAN:

### 1. University Requirements: General Education Program

Code No.	Course Title	CHS
GNED102:	Effective Communication in Arabic	3
GNED103,104:	Effective Communication in English 1.2.	6
GNED111:	Thinking Skills	3
GNED112:	Islamic Culture	3
GNED120:	Computer Literacy	3
GNED240:	Research Skills	3
GNED298:	Muslims contribution to Arts and Science	3
<b>Elective Courses :</b>		<b>24</b>
GNED # :	Electives from group a, b and c	9
<b>Total</b>		<b>33</b>

### 2. Faculty Requirements

#### 1. Biomedical Sciences:

Code No.	Course Title	CHS
PHRM 221	Human Anatomy & Histology	4
PHRM 321	Physiology	2
PHRM 323	Microbiology and Virology	4
PHRM 424	Pathophysiology	2
PHRM 422	Biochemistry and Biotechnology	4

PHRM 523	Immunology	2
PHRM 722	Clinical Chemistry	2
<b>Total</b>		<b>20</b>

## 2. Pharmaceutical Sciences:

Code No.	Course Title	CHS
PHRM 131	Orientation to Pharmacy	2
PHRM 132	Pharmaceutical Organic Chemistry	5
PHRM 232	Pharmaceutical Analytical Chemistry	4
PHRM 431	Physical Pharmacy	3
PHRM 332	Phytochemistry and Complementary Medicine	2
PHRM 433,532	Pharmaceutics 1, 2	6
PHRM 435	Pharmacognosy	3
PHRM 631,731	Pharmacology 1,2	7
PHRM 623	Medication Dispensing and Distribution System	3
PHRM 644	Biopharmaceutics and Pharmacokinetics	4
PHRM 736,833	Pharmaceutical and Medicinal Chemistry 1,2	6
PHRM 831	Toxicology	2
<b>Total</b>		<b>47</b>

## 3. Clinical Sciences:

Code No.	Course Title	CHS
PHRM 541	Drug Information and Literature Evaluation	3
PHRM 544	Pharmacoepidemiology and Biostatistics	3
PHRM 545	Pharmacogenomics and Molecular Biology	3
PHRM 642	Non-prescription Drugs	4
PHRM 743	Patient Assessment Laboratory	2
PHRM 744	Pharmacy Practice and Pharmaceutical Care	3
PHRM 842	Emergency first-care	1
PHRM 745,844, 845& 846	Pharmacotherapy 1.2.3.and 4	11
<b>Total</b>		<b>30</b>

## 4. Social, Behavioral and Administrative Sciences:

Code No.	Course Title	CHS
PHRM 456	Pharmacy Law and Regulatory Affairs	1
PHRM 457	Social And Behavioral Aspects of Practice	1
PHRM 857	Practice Management and Health Care Systems	1
PHRM 858	Marketing and Pharmacoeconomics	2
<b>Total</b>		<b>5</b>

**First Semester**

Course Number	Courses Title	Prereq.	Credit Hours		
			Theo.	Pr.	Total
GNE103	Effective communication in English (1)	-	3	-	3
GNE120	Computer Literacy	-	3	-	3
GNE112	Islamic Culture	-	3	-	3
PHRM 131	Orientation to Pharmacy	-	1	1	2
PHRM 132	Pharmaceutical Organic Chemistry	-	4	1	5
<b>Total</b>			<b>16</b>		

**Second Semester**

Course Number	Courses Title	Prereq.	Credit Hours		
			Theo.	Pr.	Total
GNE102	Effective communication in Arabic	GNE103	3	-	3
GNE111	Thinking Skills	-	3	-	3
GNE2989	The Muslims Contribution to Arts and Science	-	3	-	3
PHRM 221	Human Anatomy & Histology	PHRM 131	3	1	4
PHRM 232	Pharmaceutical Analytical Chemistry	PHRM 132	3	1	4
<b>Total</b>			<b>17</b>		

### Third Semester

Code Number	Courses Title	Prereq.	Credit Hours		
			Theo.	Pr.	Total
ED 240	Research skills	-	3	-	3
GNE#	Elective from group(a)	-	2	-	3
GNE 104	Effective communication in English (2)	-	3	-	4
PHRM 321	Physiology	PHRM 221	2	-	2
PHRM 332	Phytochemistry and complementary Medicine	PHRM 131	2	-	2
PHRM 323	Microbiology and Virology	PHRM 221	3	1	4
<b>Total</b>			<b>17</b>		

### Fourth Semester

Code Number	Courses Title	Prereq.	Credit Hours		
			Theo.	Pr.	Total
PHRM 431	Physical Pharmacy	PHRM 131	2	1	3
PHRM 422	Biochemistry and Biotechnology	PHRM 132	3	1	4
PHRM 433	Pharmaceutics (1)	PHRM 431	2	1	3
PHRM 424	Pathophysiology	PHRM 221	2	-	2
PHRM 435	Pharmacognosy	PHRM 846	2	1	3
PHRM 456	Pharmacy law and Regulatory Affairs	PHRM 846	1	-	1
PHRM 457	Social and behavioral Aspects of practice	PHRM 846	1	-	1
<b>Total</b>			<b>17</b>		

### Fifth Semester

Code Number	Courses Title	Prereq.	Credit Hours		
			Theo.	Pr.	Total
GEND #	Elective from Group (b)	-	3	-	3
PHRM 541	Drug information & literature Evaluation	PHRM 456	2	1	3
PHRM 532	Pharmaceutics (2)	PHRM 433	2	1	3
PHRM 523	Immunology	PHRM 323	2	-	2
PHRM 544	Pharmacoepidemiology & Biostatistics	PHRM 422	3	-	3
PHRM 545	Pharmacogenomics & Molecular Biology	PHRM 422	3	-	3
<b>Total</b>			<b>17</b>		

### Sixth Semester

Code Number	Courses Title	Prereq.	Credit Hours		
			Theo.	Pr.	Total
GEND #	Elective from Group (C)	-	3	-	3
PHRM 631	Pharmacology (1)	PHRM 321	3	-	3
PHRM 642	Non-prescription Drugs	PHRM 641	3	1	4
PHRM 623	Medication Dispensing & Distribution System	PHRM 456	2	1	3
PHRM 644	Biopharmaceutics and pharmacokinetics	PHRM 532	3	1	4
<b>Total</b>			<b>17</b>		

### Seventh Semester

Code Number	Courses Title	Prereq.	Credit Hours		
			Theo.	Pr.	Total
PHRM 731	Pharmacology (2)	PHRM 631	3	1	4
PHRM 722	Clinical chemistry	PHRM 422	1	1	2
PHRM 743	Patient assessment Laboratory	PHRM 323	1	1	2
PHRM 744	Pharmacy practice & pharmaceutical care	PHRM 532	2	1	3
PHRM 745	Pharmacotherapy (1)	PHRM 731	2	1	3
PHRM 736	Pharmaceutical Medicinal Chemistry-1	PHRM 132	2	1	3
<b>Total</b>			<b>17</b>		

### Eighth Semester

Code Number	Courses Title	Prereq.	Credit Hours		
			Theo.	Pr.	Total
PHRM 831	Toxicology	PHRM 745	2	-	2
PHRM 842	Emergency First -care	PHRM 745	1	-	1
PHRM 833	Pharmaceutical Medicinal Chemistry-2	PHRM 736	2	1	3
PHRM 844	Pharmacotherapy (2)	PHRM 744	2	1	3
PHRM 845	Pharmacotherapy (3)	PHRM 744	2	1	3
PHRM 846	Pharmacotherapy (4)	PHRM 744	2	-	2
PHRM 857	Practice Management and Health care system	PHRM 744	1	-	1
PHRM 858	Marketing and Pharmacoeconomics	PHRM 722	2	-	2
<b>Total</b>			<b>17</b>		

Ninth Semester (Professional Practice Experience)

<b>Professional Practice Experience</b>				
<b>No.</b>	<b>Title</b>	<b>Site</b>	<b>Prereq.</b>	<b>Total Hours</b>
PHRM 961	Advanced professional practice (4) Hospital Pharmacy	Hospital Pharmacy	PHRM 846	160
PHRM 962	Advanced professional practice (4) poison & Drug information	Poison & Drug information	PHRM 831	160
PHRM 963	Advanced professional practice (4) Clinical pharmacy	Clinical Pharmacy	PHRM 722	160
PHRM 964	Advanced professional practice (2) Industrial Pharmacy	Industrial Pharmacy	PHRM 644	80
<b>Total</b>		<b>14</b>	<b>560 Contact Hours</b>	

B) Summer Professional Practice Experience (Community Pharmacy T.)

<b>Course #</b>	<b>Subject</b>	<b>Cr.H</b>	<b>Cont.H</b>	<b>Pre-req.</b>
PHRM 061	Introductory Pharmacy Practice Experience 1 (After completing 2 <sup>nd</sup> term)	3	120	PHRM 131
PHRM 062	Introductory Pharmacy Practice Experience 21 (After completing 4 <sup>th</sup> term)	3	120	PHRM 433
PHRM 063	Introductory Pharmacy Practice Experience 31 (After completing 6 <sup>th</sup> term)	3	120	PHRM 642
<b>Total</b>		<b>9</b>	<b>460</b>	