

# CURRICULUM OF FACULTY OF PHARMACY Kabul

## 1st year

First semester	LECTURES		SEMINAR C.		TP		TOTAL		
	Hours /week	Hours /sem	Hours /week	Hours /sem	Hours /week	Hours /sem	Credits	Hours /week	Hours /sem
History of Afghanistan	0	0	2	34	0	0	1	2	34
Foreign language	0	0	2	34	0	0	1	2	34
Mathematic and pharmacy statistics	1	17	2	34	0	0	2	3	51
Physics(optic, electric, thermodynamic)	2	34	1	17	2	34	3.5	5	85
Biology (cellular)	2	34	1	17	2	34	3.5	5	85
General chemistry	3	51	1	17	2	34	4.5	6	102
Islamics	1	17	0	0	0	0	1	1	17
<b>TOTAL</b>	<b>9</b>	<b>153</b>	<b>9</b>	<b>153</b>	<b>6</b>	<b>102</b>	<b>16.5</b>	<b>24</b>	<b>408</b>
% hours		37.50%		37.50%		25.00%		24	408

4h/week during 8 weeks  
4h/week during 8 weeks

## Second semester

Foreign language	0	0	2	34		0	1	2	34
Inorganic chemistry	2	34	0	0	2	34	3	4	68
Biology (molecular and genetics)	2	34	2	34	0	0	3	4	68
Organic chemistry	2	34	2	34	2	34	4	6	102
Anatomy and physiology	2	34	2	34	0	0	3	4	68
Physical pharmacy	2	34	2	34	0	0	3	4	68
Islamics	1	17	0	0		0	1	1	17
<b>TOTAL</b>	<b>11</b>	<b>187</b>	<b>10</b>	<b>170</b>	<b>4</b>	<b>68</b>	<b>18</b>	<b>25</b>	<b>425</b>
% hours		44.00%		40.00%		16.00%		25	425

4h/week during 8 weeks  
4h/week during 8 weeks  
4h/week during 8 weeks

## 2nd year

Third semester	LECTURES		SEMINAR C.		TP		TOTAL		
	Hours /week	Hours /sem	Hours /week	Hours /sem	Hours /week	Hours /sem	Credits	Hours /week	Hours /sem
Physical pharmacy	2	34	2	34		0	3	4	68
Organic chemistry	2	34	2	34	2	34	4	6	102
Foreign language	0	0	2	34	0	0	1	2	34
Anatomy and physiology	2	34	2	34	2	34	4	6	102
Botany	3	51	0	0	4	68	5	7	119
Analytical chemistry	2	34	2	34	4	68	5	8	136
Islamics	0	0	0	0		0	0	0	0
<b>TOTAL</b>	<b>11</b>	<b>187</b>	<b>10</b>	<b>170</b>	<b>12</b>	<b>204</b>	<b>22</b>	<b>33</b>	<b>561</b>
% hours		33.33%		30.30%		36.36%		33	561

4h/week during 8 weeks  
4h/week during 8 weeks

## 4th semester

Foreign language	0	0	2	34		0	1	2	34
Analytical chemistry (qualitative)	3	51	2	34	4	68	6	9	153
Pharmaceutic I	4	68	2	34	2	34	6	8	136
Instrumental analysis	4	68	2	34	2	34	6	8	136
Computer	0	0	0	0	4	68	2	4	68
Islamics	1	17	0	0	0	0	1	1	17
<b>TOTAL</b>	<b>12</b>	<b>204</b>	<b>8</b>	<b>136</b>	<b>12</b>	<b>204</b>	<b>22</b>	<b>32</b>	<b>544</b>
total hours		37.50%		25.00%		37.50%		32	544

4h/week during 8 weeks  
4h/week during 8 weeks

### 5th semester

Pharmacognosy I	3	51	0	0	2	34	4	5	85	4h/week during 8 weeks
Pharm. Chemistry I	3	51	2	34	2	34	5	7	119	4h/week during 8 weeks
Pharmaceutic II	2	34	0	0	2	34	3	4	68	4h/week during 8 weeks
Path physiology and therapeutics	2	34	2	34	0	0	3	4	68	
Biochemistry	2	34	0	0	2	34	3	4	68	4h/week during 8 weeks
Microbiology	3	51	0		2	34	4	5	85	4h/week during 8 weeks
TOTAL	15	255	4	68	10	170	22	29	493	
total hours		51.72%		13.79%		34.48%		29	493	

### 6th semester

Pharmacognosy II	2	34	2	34	2	34	4	6	102	4h/week during 8 weeks
Pharmaceutic III	2	34	0	0	2	34	3	4	68	4h/week during 8 weeks
Microbiology II	2	34	0	0	2	34	3	4	68	4h/week during 8 weeks
Pharmacology I (pharmacokinetic)	2	34	0	0	2	34	3	4	68	
Pharm. Chemistry II	2	34	0	0	2	34	3	4	68	4h/week during 8 weeks
Path physiology and therapeutics	2	34	2	34	0	0	3	4	68	
Biochemistry	2	34	0		2	34	3	4	68	4h/week during 8 weeks
TOTAL	14	238	4	68	12	204	22	30	510	
total hours		46.67%		13.33%		40.00%		30	510	

### 7th semester

Pharmaceutic IV	2	34	0	0	2	34	3	4	68	4h/week during 8 weeks
Immunology	2	34	2	34	0	0	3	4	68	
Toxicology	2	34	2	34	2	34	4	6	102	4h/week during 8 weeks
Pharm. Chemistry III	3	51	2	34	2	34	5	7	119	4h/week during 8 weeks
Parasitology	2	34	0	0	2	34	3	4	68	4h/week during 8 weeks
Pharmacology II	2	34	2	34	2	34	4	6	102	4h/week during 8 weeks
TOTAL	13	221	8	136	10	170	22	31	527	
total hours		41.94%		25.81%		32.26%		31	527	

### 8th semester

Nutrition	2	34	2	34	0	0	3	4	68	
Pharmacology III	3	51	2	34	4	68	6	9	153	
Hygiene	2	34	2	34	0	0	3	4	68	
Medical supply and equipment	2	34	0	0	0	0	2	2	34	
First medical aid	2	34	0	0	2	34	3	4	68	4h/week during 8 weeks
toxicology	3	51	2	34	2	34	5	7	119	4h/week during 8 weeks
TOTAL	14	238	8	136	8	136	22	30	510	
total hours		46.67%		26.67%		26.67%		30	510	

### 9th semester

#### Clinical biology

Clinical biochemistry and hematology	2	34	2	34	4	68	5	8	136
Medical mycology	3	51	0	0	2	34	4	5	85
Microbiology	3	51	0	0	4	68	5	7	119
Food control and analysis	3	51	0	0	4	68	5	7	119
Drug management and supply	2	34	2	34	0	0	3	4	68
<b>TOTAL</b>	<b>13</b>	<b>221</b>	<b>4</b>	<b>68</b>	<b>14</b>	<b>238</b>	<b>22</b>	<b>31</b>	<b>527</b>
total hours		41.94%		12.90%		45.16%		31	527

4h/week during 8 weeks

#### Pharmacy

Drug management and supply	2	34	2	34	0	0	3	4	68
Indus. Pharmacy	2	34	2	34	0	0	3	4	68
Drug information	2	34	0	0	0	0	2	2	34
Drug control	2	34	2	34	4	68	5	8	136
Pharmacology	2	34	2	34	0	0	3	4	68
Phyto therapy	2	34	2	34	0	0	3	4	68
Bio-technology	2	34	2	34	0	0	3	4	68
<b>TOTAL</b>	<b>14</b>	<b>238</b>	<b>12</b>	<b>204</b>	<b>4</b>	<b>68</b>	<b>22</b>	<b>30</b>	<b>510</b>
total hours		46.67%		40.00%		13.33%		30	510

### 10th semester

#### (clerkship)

Weeks Hours

Credits

#### Clinical biology

Clinical biochemistry and hematology	4	156	3.1
Parasitology	2	78	1.5
Bacteriology	4	156	3.1
Mycology	2	78	1.5
Food control and analysis	2	78	1.5
Histology and immunology	2	78	1.5
<b>TOTAL</b>	<b>16</b>	<b>624</b>	<b>12.2</b>

#### Pharmacy

Production (plant production)	4	156	3.1
Pharm. Management	2	78	1.5
Quality control including plant products	4	156	3.1
Pharmaceutics	3	117	2.3
Pharmacology (hospital)	3	117	2.3
<b>TOTAL</b>	<b>16</b>	<b>624</b>	<b>12.2</b>