CURRICULUM OF FACULTY OF PHARMACY Kabul

1st year

	LEC1	URES	SEMI	NAR C.		TP		TOTAL		
First semester	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	The state of the s
Foreign language	0	0		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	4h/week during 8 weeks
Biology (cellular)	2	34	1	17	2	34	3.5	5	85	4h/week during 8 week
General chemistry	3	51	1	17		34	4.5	6	102	
Islamics	1	17	0	0	0	0	1	1	17	
TOTAL	9	153	9	153	6	102	16.5	24	408	
% hours		37.50%		37.50%		25.00%		24	408	
Second semester										
Foreign language	0	0	2	34		0	1	2	34	1000000
Inorganic chemistry	2	34	0	0		34	3	4	68	4h/week during 8 week
Biology (molecular and genetics)	2	34	2	34		0	3	4	68	
Organic chemistry	2	34	2	34		34	4	6		4h/week during 8 week
Anatomy and physiology										4h/week during 8 week
	2	34	2	34		0	3		68	
Physical pharmacy	2	34 17	2	34		0	1	4	17	
Islamics	1		0			68	18	25	425	
TOTAL % hours	11	187 44.00%	10	40.00%	4	16.00%	10	25	425	
2nd year										
2nd year	LECT	TURES	SEMI	NAR C.		TP		TOTAL		
2nd year Third semester	LECT Hours /week	Hours /sem	SEMI Hours /week		Hours /week		Credits	TOTAL Hours /week	Hours /sem	
Third semester	Hours	Hours	Hours /week	Hours	Hours /week	Hours	Credits 3	Hours /week		
Third semester Physical pharmacy	Hours /week 2 2	Hours /sem	Hours /week 2	Hours /sem	Hours /week	Hours /sem	3 4	Hours /week	/sem 68 102	Contraction of the Contraction o
Third semester Physical pharmacy Organic chemistry	Hours /week	Hours /sem	Hours /week	Hours /sem	Hours /week	Hours /sem	3	Hours /week	/sem 68	Contraction of the Contraction o
Third semester Physical pharmacy Organic chemistry Foreign language	Hours /week 2 2	Hours /sem 34	Hours /week 2 2 2	Hours /sem 34	Hours /week	Hours /sem 0 34 0	3 4 1	Hours /week 4 6 2	/sem 68 102 34	
Third semester Physical pharmacy Organic chemistry Foreign language Anatomy and physiology	Hours /week 2 2 0	Hours /sem 34 34 0	Hours /week 2 2 2	Hours /sem 34 34 34	Hours /week	Hours /sem 0 34	3 4 1 4 5	Hours /week 4 6 2 6	/sem 68 102 34	4h/week during 8 weel
Third semester Physical pharmacy Organic chemistry Foreign language Anatomy and physiology Botany	Hours /week 2 2	Hours /sem 34 34 0	Hours /week	Hours /sem 34 34 34	Hours /week	Hours /sem 0 34 0	3 4 1	Hours /week 4 6 2 6 7	/sem 68 102 34	4h/week during 8 week
Third semester Physical pharmacy Organic chemistry Foreign language Anatomy and physiology Botany Analytical chemistry	Hours /week 2 2 0	Hours /sem 34 34 0	Hours /week	Hours /sem 34 34 34 0 34	Hours /week 2 0 2 4 4	Hours /sem 0 34 0 34 68	3 4 1 4 5 5	Hours /week 4 6 2 6 7 8 0	/sem 68 102 34 102 119 136	4h/week during 8 weel
Third semester Physical pharmacy Organic chemistry Foreign language Anatomy and physiology Botany Analytical chemistry Islamics	Hours /week	Hours /sem 34 34 0 34 51 34	Hours /week 2 2 2 2 0 2	Hours /sem 34 34 34 0 34 0	Hours /week	Hours /sem 0 34 0 34 68 68	3 4 1 4 5 5	Hours /week 4 6 2 6 7 8 0	/sem 68 102 34 102 119 136	4h/week during 8 weel
Third semester Physical pharmacy Organic chemistry Foreign language Anatomy and physiology Botany Analytical chemistry Islamics TOTAL	Hours /week 2 2 0 2 3 2	Hours /sem 34 34 0 34 51 34 0	Hours /week 2 2 2 2 0 0 2 0 10	Hours /sem 34 34 34 0 34 0	Hours /week	Hours /sem 0 34 0 34 68 68 0	3 4 1 4 5 5	Hours /week 4 6 2 6 7 8 0	/sem 68 102 34 102 119 136	4h/week during 8 weel
Third semester Physical pharmacy Organic chemistry Foreign language Anatomy and physiology Botany Analytical chemistry Islamics TOTAL % hours	Hours /week 2 2 0 2 3 2	Hours /sem 34 34 0 34 51 34 0	Hours /week 2 2 2 2 0 0 2 0 10	Hours /sem 34 34 34 0 34 0 170	Hours /week	Hours /sem 0 34 0 34 68 68 0 204	3 4 1 4 5 5	Hours /week 4 6 2 6 7 8 0	/sem 68 102 34 102 119 136 0 561	4h/week during 8 week
Third semester Physical pharmacy Organic chemistry Foreign language Anatomy and physiology Botany Analytical chemistry Islamics TOTAL % hours 4th semester	Hours /week 2 2 0 0 2 3 3 2 0 11	Hours /sem 34 34 0 34 51 34 0 187 33.33%	Hours /week 2 2 2 2 2 0 0 2 10	Hours /sem 34 34 0 34 0 170 30.30%	Hours /week	Hours /sem 0 34 0 34 68 68 0 204	3 4 1 4 5 5 0 22	Hours /week 4 6 2 6 7 8 0 33 33	/sem 68 102 34 102 119 136 0 561	4h/week during 8 week
Third semester Physical pharmacy Organic chemistry Foreign language Anatomy and physiology Botany Analytical chemistry Islamics TOTAL % hours 4th semester Foreign language	Hours /week 2 2 0 2 3 2	Hours /sem 34 34 0 34 51 34 0	Hours /week 2 2 2 2 2 0 0 2 10	Hours /sem 34 34 0 34 0 170 30.30%	Hours /week	Hours /sem 0 34 0 34 68 68 0 204 36.36%	3 4 1 4 5 5 0 22	Hours /week 4 6 2 6 7 8 0 33 33	/sem 68 102 34 102 119 136 0 561	4h/week during 8 weel
Third semester Physical pharmacy Organic chemistry Foreign language Anatomy and physiology Botany Analytical chemistry Islamics TOTAL % hours 4th semester Foreign language Analytical chemistry	Hours /week 2 2 0 0 2 3 3 2 0 111	Hours /sem 34 34 0 34 51 34 0 187 33.33%	Hours /week 2 2 2 2 2 0 0 10 10 10 10 10 10 10 10 10 10 10 10	Hours /sem 34 34 0 34 0 170 30.30%	Hours /week	Hours /sem 0 34 0 34 68 68 0 204 36.36%	3 4 1 4 5 5 0 22	Hours /week 4 6 2 6 7 8 0 33 33	/sem 68 102 34 102 119 136 0 561	4h/week during 8 week
Third semester Physical pharmacy Organic chemistry Foreign language Anatomy and physiology Botany Analytical chemistry Islamics TOTAL % hours 4th semester Foreign language Analytical chemistry (qualitative)	Hours /week 2 2 0 0 2 3 3 2 0 11	Hours /sem 34 34 0 34 51 34 0 187 33.33%	Hours /week 2 2 2 2 2 0 0 10 10	Hours /sem 34 34 34 0 170 30.30%	Hours /week	Hours /sem 0 34 0 34 68 68 0 204 36.36%	3 4 1 4 5 5 0 22	Hours /week 4 6 2 2 6 7 8 0 33 33 33	/sem 68 102 34 102 119 136 0 561 561	4h/week during 8 weel
Third semester Physical pharmacy Organic chemistry Foreign language Anatomy and physiology Botany Analytical chemistry Islamics TOTAL % hours 4th semester Foreign language Analytical chemistry (qualitative) Pharmaceutic I	Hours /week 2 2 0 0 2 3 3 2 0 0 11	Hours /sem 34 34 0 34 51 34 0 187 33.33%	Hours /week 2 2 2 2 0 0 10 10 2 2 2 2 2 2 2 2 2 2 2	Hours /sem 34 34 0 170 30.30% 34 34 34 34	Hours /week 2 2 0 2 4 4 4 12	Hours /sem 0 34 0 34 68 68 0 204 36.36%	3 4 1 4 5 5 0 22	Hours /week 4 6 2 6 7 8 0 33 33 2 9 8 8	/sem 68 102 34 102 119 136 0 561 561 34	4h/week during 8 week
Third semester Physical pharmacy Organic chemistry Foreign language Anatomy and physiology Botany Analytical chemistry Islamics TOTAL % hours 4th semester Foreign language Analytical chemistry (qualitative) Pharmaceutic I Instrumental analysis	Hours /week 2 2 0 0 2 3 3 2 0 11	Hours /sem 34 34 0 34 51 34 0 187 33.33% 0 51 68	Hours /week 2 2 2 2 0 0 10 10 2 2 2 2 2 2 2 2 2 2 2	Hours /sem 34 34 0 0 170 30.30% 34 34 34 34 34 34	Hours /week 2 2 0 2 4 4 4 2 2 2	Hours /sem 0 34 0 34 68 68 0 204 36.36% 0 68	3 4 1 4 5 5 0 22	Hours /week 4 6 2 6 7 8 0 33 33 2 9 8 8	/sem 68 102 34 102 119 136 0 561 561 34 153 136 68	4h/week during 8 weel 4h/week during 8 weel 4h/week during 8 weel
Third semester Physical pharmacy Organic chemistry Foreign language Anatomy and physiology Botany Analytical chemistry Islamics TOTAL % hours 4th semester Foreign language Analytical chemistry (qualitative)	Hours /week 2 2 0 0 2 3 3 2 0 0 11 0 0 3 4 4 4	Hours /sem 34 34 0 34 51 34 0 187 33.33% 0 51 68 68	Hours /week 2 2 2 2 0 0 10 2 2 2 2 2 2 2 0 0 0 0 0	Hours /sem 34 34 0 0 170 30.30% 34 34 34 34 34 34	Hours /week 2 2 0 2 4 4 4 2 2 2	Hours /sem 0 34 0 34 68 68 0 204 36.36% 0 68 34 34	3 4 1 4 5 5 0 22	Hours /week 4 6 2 6 7 8 0 33 33 33	/sem 68 102 34 102 119 136 0 561 561 34 153 136 136	4h/week during 8 week 4h/week during 8 week 4h/week during 8 week

37.50%

TOTAL total hours 25.00%

37.50%

32

544

5th semester	21	51	0	0	2	34	4	5	85	4h/week during 8 weeks
Pharmacognosy I	3	51	2	34	2	34	5	7		4h/week during 8 weeks
Pharm. Chemistry I	2	34	0	0	2	34	3	4		4h/week during 8 weeks
Pharmaceutic II	2	34	U	-	-	- 51	-			
Path physiology and	2	24	2	34	0	0	3	4	68	
therapeutics	2	34	0	0	2	34	3	4		4h/week during 8 weeks
Biochemistry	3	51	0	-	2	34	4	5		4h/week during 8 weeks
Microbiology	15	255	4	68	10	170	22	29	493	The trook during a trooms
TOTAL	15		4	13.79%	10	34.48%	66	29	493	
total hours		51.72%		13.7970		34.4070		20	400	
6th semester									100	
Pharmacognosy II	2	34	2	34	2	34	4	6		4h/week during 8 weeks
Pharmaceutic III	2	34	0	0	2	34	3	4		4h/week during 8 weeks
Microbiology II	2	34	0	0	2	34	3	4	68	4h/week during 8 weeks
Pharmacology I									-	199 J. Flant J. W.
(pharmacokinetic)	2	34	0	0	2	34	3	4	68	that we have a common to
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		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		4h/week during 8 weeks
Parasitology	2	34	0	0	2	34	3	4		4h/week during 8 weeks
Pharmacology II	2	34	2	34	2	34	4	6		4h/week during 8 weeks
TOTAL	13	221	8	136	10	170	22	31	527	
	10	41.94%	-	25.81%	10	32.26%	-	31	527	
total hours		41.5470		20.0170		02.2070				
8th semester				0.4		0	2]	41	60	1
Nutrition	2		2	34	0	0	3	9	68 153	
Pharmacology III	3	51	2	34	4	68	6		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		4h/week during 8 weeks
I list illouisur dia		51	2	34	2	34	5	7	119	4h/week during 8 weeks
toxicology	3								and the same of th	
	14		8		8		22	30	510 510	

9th semester

Clinical biology					_					
Clinical biochemistry and hematology	2	34	2	34	4	68	5	8	136	Chicago IVIDADA MAI CA
Medical mycology	3	51	0	0	2	34	4	5		4h/week during 8 week
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	
TOTAL	13	221	4	68	14	238	22	31	527	
total hours		41.94%		12.90%		45.16%		31	527	
Pharmacy		X. III.								
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	4
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	
TOTAL	14	238	12	204	4	68	22	30	510	4
total hours		46.67%		40.00%		13.33%		30	510	

(clerkship) Clinical biology	Weeks H	Weeks Hours					
Clinical biochemistry	4	156	3.1				
and hematology	2	78	1.5				
Parasitology	4	156	3.1				
Bacteriology	2	78	1.5				
Mycology Food control and analysis	2	78	1.5				
Histology and immunology	2	78	1.5				
TOTAL	16	624	12.2				
Pharmacy		U					
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				
TOTAL	16	624	12.2				