

Republic of Yemen

Ministry of Higher Education & Scientific Research  
University of Modern Sciences  
Faculty of Pharmacy



جامعة العلوم الحديثة  
University of Modern Sciences

الجمهورية اليمنية  
وزارة التعليم العالي و البحث العلمي  
جامعة العلوم الحديثة  
كلية الصيدلية

# الخطوة الدراسية لكلية الصيدلة 2014م



First Year								
First Semester					Second Semester			
No	Code	Subject	Credit		No	Code	Subject	Credit
1	FOP 111	General Biology	3		1	FOP 121	Mathematics	2
2	FOP 112	General Chemistry	3		2	FOP 122	First Aid	2
3	UMS 01	Arabic language	2		3	PHT 123	Physical Pharmacy	3
4	FOP 113	Physics for Pharmacy	2		4	PHT 124	Pharmaceutical Calculation	2
5	FOP 114	Medical English I	2		5	FOP 125	Medical English II	2
6	FOP 115	Pharmacy Orientation	2		6	FOP 126	Anatomy & Histology	2
7	UMS 02	Introduction to Computer	2		7	UMS 03	Islamic Culture	2
					8	PHG127	Botany and medicinal plants	3
Second Year								
First Semester					Second Semester			
No	Code	Subject	Credit		No	Code	Subject	Credit
1	PHT 211	Pharmaceutics I	3		1	PHT 221	Pharmaceutics II	3
2	FOP 212	Pharmacy Public Health	2		2	FOP 222	Physiology II	2
3	FOP 213	Physiology I	3		3	PHC 223	Pharmaceutical Organic chemistry II	3
4	PHC 214	Pharmaceutical Organic Chemistry I	3		4	PHG 224	Pharmacognosy & Phytochemistry II	4
5	PHG215	Pharmacognosy & Phytochemistry I	4		5	PHC 225	Pharmaceutical Analytical Chemistry II	3
6	PHC 216	Pharmaceutical Analytical Chemistry I	3		6	FOP 226	Biochemistry & Molecular Biology	3
Third Year								
First Semester					Second Semester			
No	Code	Subject	Credit		No	Code	Subject	Credit
1	PHT 311	Pharmaceutics III	3		1	FOP 321	Pathology	3
2	PHL 312	Pharmacology I	3		2	PHL 322	General Toxicology	3
3	FOP 313	General Microbiology	3		3	FOP 323	Biostatistics	2
4	FOP 314	Metabolic Biochemistry	3		4	PHL 324	Pharmacology II	3
5	PHT 315	Pharmaceutical Drug discovery & development	2		5	PHC 325	Medicinal Chemistry I	3
6	PHT 316	Dermatological & Cosmetic preparations	3		6	FOP 326	Pharmaceutical Microbiology	3
Fourth Year								
First Semester					Second Semester			
No	Code	Subject	Credit		No	Code	Subject	Credit
1	PHT 411	Industrial pharmacy	2		1	PHG 421	Applied Pharmacognosy	3
2	PHL 412	Pharmacology III	2		2	PHPP 422	Community Pharmacy II	3
3	PHPP 413	Community Pharmacy I	3		3	PHC 423	Medicinal Chemistry III	3
4	PHC 414	Medicinal Chemistry II	3		4	FOP 424	Physical assessment skills	2
5	PHT 415	Biopharmaceutics & Pharmacokinetics I	2		5	PHT 425	Biopharmaceutics & Pharmacokinetics II	2
6	FOP 416	Pathophysiology	2		6	PHPP 426	Principles of Pharmacy practice	3
7	PHT 417	Pharmaceutical Biotechnology	2					
Fifth Year								
First Semester					Second Semester			
No	Code	Subject	Credit		No	Code	Subject	Credit
1	PHT 511	Nuclear Pharmacy	2		1	PHPP 521	Pharmaceutical Marketing & promotion	2
2	PHT 512	Pharmaceutical Quality Control	3		2	FOP 522	Graduation project	4
3	PHPP 513	Pharmacy administration	2		3	UMS 04	Communication skills	2
4	PHPP 514	Professional Practice Experience I*	3		4	PHPP 523	Hospital pharmacy	2
5	PHPP 515	Clinical Pharmacy I	3		5	PHPP 524	Professional Practice Experience II **	3
6	PHC 516	Pharmaceutical instrumental analysis	3		6	PHPP 525	Clinical pharmacy II	3
7	FOP 517	Pharmacy Regulation and ethics	2					

\*: 25 hrs/ week for 13 weeks: 325 contact hrs.

\*\* : 25 hrs./ week for 13 weeks: 325 contact hrs .

## الخطة الدراسية لبرنامج الصيدلة

### Study Plan

No. of Courses: 65  
Total Credit Hours =170 C.H

#### FIRST YEAR- FIRST SEMESTER

NO	CODE	SUBJECT	CREDIT HOURS		
			TOTAL	L	P
1	FOP 111	General Biology	3	2	1
2	FOP112	General Chemistry	3	2	1
3	UMS 01	Arabic language	2	2	-
4	FOP 113	Physics for Pharmacy	2	2	-
5	FOP 114	Medical English I	2	2	-
6	FOP 115	Pharmacy Orientation	2	2	-
7	UMS 02	Introduction to Computer	2	1	1
TOTAL CREDIT HOURS			16		

#### FIRST YEAR- SECOND SEMESTER

NO	CODE	SUBJECT	CREDIT HOURS		
			TOTAL	L	P
1	FOP 121	Mathematics	2	2	-
2	FOP 122	First Aid	2	2	
3	PHT 123	Physical Pharmacy	3	2	1
4	PHT 124	Pharmaceutical Calculation	2	2	-
5	FOP 125	Medical English II	2	2	-
6	FOP 126	Anatomy & Histology	2	2	-
7	UMS 03	Islamic Culture	2	2	-
8	PHG127	Botany and medicinal plants	3	2	1
TOTAL CREDIT HOURS			18		



## SECOND YEAR- FIRST SEMESTER

NO	CODE	SUBJECT	CREDIT HOURS		
			TOTAL	L	P
1	PHT 211	Pharmaceutics I	3	2	1
2	FOP 212	Pharmacy Public Health	2	2	-
3	FOP 213	Physiology I	3	2	1
4	PHC 214	Pharmaceutical Organic Chemistry I	3	2	1
5	PHG215	Pharmacognosy & Phytochemistry I	4	3	1
6	PHC 216	Pharmaceutical Analytical Chemistry I	3	2	1
TOTAL CREDIT HOURS			18		

## SECOND YEAR- SECOND SEMESTER

NO	CODE	SUBJECT	CREDIT HOURS		
			TOTAL	L	P
1	PHT 221	Pharmaceutics II	3	2	1
2	FOP 222	Physiology II	2	2	-
3	PHC 223	Pharmaceutical Organic chemistry II	3	2	1
4	PHG 224	Pharmacognosy & Phytochemistry II	4	3	1
5	PHC 225	Pharmaceutical Analytical Chemistry II	3	2	1
6	FOP 226	Biochemistry & Molecular Biology	3	2	1
TOTAL CREDIT HOURS			18		



### THIRD YEAR- FIRST SEMESTER

NO	CODE	SUBJECT	CREDIT HOURS		
			TOTAL	L	P
1	PHT 311	Pharmaceutics III	3	2	1
2	PHL 312	Pharmacology I	3	2	1
3	FOP 313	General Microbiology	3	2	1
4	FOP 314	Metabolic Biochemistry	3	2	1
5	PHT 315	Pharmaceutical Drug discovery & development	2	2	-
6	PHT 316	Dermatological & Cosmetic preparations	3	2	1
TOTAL CREDIT HOURS			17		

### THIRD YEAR- SECOND SEMESTER

NO	CODE	SUBJECT	CREDIT HOURS		
			TOTAL	L	P
1	FOP 321	Pathology	3	2	1
2	PHL 322	General Toxicology	3	2	1
3	FOP 323	Biostatistics	2	2	-
4	PHL 324	Pharmacology II	3	2	1
5	PHC 325	Medicinal Chemistry I	3	2	1
6	FOP 326	Pharmaceutical Microbiology	3	2	1
TOTAL CREDIT HOURS			17		



#### FOURTH YEAR- FIRST SEMESTER

NO	CODE	SUBJECT	CREDIT HOURS		
			TOTAL	L	P
1	PHT 411	Industrial pharmacy	2	2	-
2	PHL 412	Pharmacology III	2	2	-
3	PHPP 413	Community Pharmacy I	3	2	1
4	PHC 414	Medicinal Chemistry II	3	2	1
5	PHT 415	Biopharmaceutics & Pharmacokinetics I	2	2	-
6	FOP 416	Pathophysiology	2	2	-
7	PHT 417	Pharmaceutical Biotechnology	2	2	-
TOTAL CREDIT HOURS			16		

#### FOURTH YEAR- SECOND SEMESTER

NO	CODE	SUBJECT	CREDIT HOURS		
			TOTAL	L	P
1	PHG 421	Applied Pharmacognosy	3	2	1
2	PHPP 422	Community Pharmacy II	3	2	1
3	PHC 423	Medicinal Chemistry III	3	2	1
4	FOP 424	Physical assessment skills	2	1	1
5	PHT 425	Biopharmaceutics & Pharmacokinetics II	2	2	-
6	PHPP 426	Principles of Pharmacy practice	3	2	1
TOTAL CREDIT HOURS			16		

## FIFTH YEAR- FIRST SEMESTER

NO	CODE	SUBJECT	CREDIT HOURS		
			TOTAL	L	P
1	PHT 511	Nuclear Pharmacy	2	2	-
2	PHT 512	Pharmaceutical Quality Control	3	3	-
3	PHPP 513	Pharmacy administration	2	2	-
4	PHPP 514	Professional Practice Experience I	3*	0	325 hrs.
5	PHPP 515	Clinical Pharmacy I	3	2	2
6	PHC 516	Pharmaceutical instrumental analysis	3	2	2
7	PHPP 517	Pharmacy Regulation and ethics	2	2	-
TOTAL CREDIT HOURS			18		

\*: 3 credit hrs are equivalent to 325 contact hrs; 25 hrs/ week for 13 weeks

## FIFTH YEAR- SECOND SEMESTER

NO	CODE	SUBJECT	CREDIT HOURS		
			TOTAL	L	P
1	PHPP 521	Pharmaceutical Marketing & promotion	2	2	-
2	FOP 522	Graduation project	4	-	4
3	UMS 04	Communication skills	2	2	-
4	PHPP 523	Hospital pharmacy	2	2	-
5	PHPP 524	Professional Practice Experience II	3**	0	325 hrs
6	PHPP 525	Clinical pharmacy II	3	2	1
TOTAL CREDIT HOURS			16		

\*\* : 3 credit hrs are equivalent to 325 contact hrs; 25 hrs/ week for 13 weeks.

### 1. Distribution of Total Credit Hours:

Level	Term	University Requirements		Faculty Requirements		Faculty		Training		Project		Total Cr. Hrs.		Total Cr. Hrs./ Level
		No. of Courses	Credit Hours	No. of Courses	Credit Hours	No. of Courses	Credit Hours	No. of Courses	Credit Hours	No. of Courses	Credit Hours	No. of Courses	Credit Hours	
First	First	2	4	5	12	-	-	-	-	-	-	7	16	34
	Second	1	2	4	9	3	8	-	-	-	-	8	18	
Second	First	-	-	2	4	3	12	-	-	-	-	6	18	36
	Second	-	-	2	5	3	13	-	-	-	-	6	18	
Third	First	-	-	2	6	4	11	-	-	-	-	6	17	34
	Second	-	-	3	7	3	9	-	-	-	-	6	17	
Fourth	First	-	-	1	2	6	14	-	-	-	-	7	16	32
	Second	-	-	1	2	5	14	-	-	-	-	6	16	
Fifth	First	-	-	-	-	7	18	1	3*	-	-	7	18	34
	Second	1	2	1	4	4	10	1	3*	1	4	6	16	
Total:		4	8	21	51	38	109	2	6**	1	4	65	170	170
Percentage:		4.7%		30%		64.1%		3.5		2.4				

\*: 3 credit hrs are equivalent to 325 contact hrs; 25 hrs/ week for 13 weeks.

\*\* : 6 credit hrs are equivalent to 650 contact hrs