

1	School	Pharmacy
2	Department	NA
3	Program title (Arabic)	دكتور صيدلي
4	Program title (English)	Doctor of Pharmacy

5. Components of Curriculum:

The curriculum for Doctor of Pharmacy consists of (216) credit hours distributed as follows

Number	Type of requirement	credit hours
First	University Requirements	27 (15+12)
Second	School Requirements	34
Third	Specialty Requirements	155 (143+12)
Total		216

6. Numbering System:

A- Department code

Department	Code
Pharmaceutical Sciences	01
Pharmaceutics and Pharmaceutical Technology	02
Biopharmaceutics and Clinical Pharmacy	03

B- Course number

Domain number	Domain title	Domain number	Domain title

C- Course number consists of 7 digits

Faculty		Department		Level	Serial number	
1	2	0	1	1	1	2

First: University requirements: (27) credit hours distributed as follows:

Obligatory courses:(12)credit hours

B. Elective courses: (15)credit hours

Obligatory courses:(12)credit hours:

Course Number	Course Title	Credit Hours	Prerequisite
1501100	Arabic Communication skills	3	1501098 ، 1501099
1502100	English Communication skills	3	1502098 ، 1502099
2200100	Military Science	3	
2300100	National Education	3	

B. Elective courses: (15) credit hours to be chosen from the first, second and third groups mentioned below.

The student has to choose at least one course and not more than two courses from each group, and should not be chosen from the department of specialty.

First group

Course Number	Course Title	Credit Hours	Prerequisite
0401100	Islamic Culture	3	
0402100	Islamic system	3	
0803100	Introduction to librarianship and information	3	
1032100	Human rights	3	
1041100	Legal culture	3	
1132100	Sports and Health	3	
1601105	Management skills	3	
2001100	Art appreciation	3	
2200103	Foreign language	3	
2301100	Creative writing	3	
2302102	History of Human civilization	3	

Second group

Course Number	Course Title	Credit Hours	Prerequisite
3400108	Jerusalem	3	
1607100	Global political economy	3	
2302104	History of Jordan and Palestine	3	
2303100	Logic and critical thinking	3	
2304100	Geography of Jordan	3	
2305100	Introduction to sociology	3	
2307100	Principles of psychology	3	
2308100	Principles of political sciences	3	
2601100	Archaeology of Jordan	3	
2701100	Principles of social work	3	
1600100	Electronic Commerce	3	

Third group

Course Number	Course Title	Credit Hours	Prerequisite
0305100	Environment	3	
0342100	Science and Society	3	
0515100	Public health principles	3	
0603100	Human nutrients	3	
0641100	Home garden	3	
0710100	First aid	3	
0905100	Principles of public safety	3	
0905101	Jordan industry	3	
1900101	Social Media	3	

Second: all students must do exams in Arabic, English and computer skills, students who fail in these exams should study and pass (099) course additional to curriculum.

Third: School courses: distributed as follows:

Obligatory school courses: (34) credit hours

Elective school courses: (0) credit hours

Obligatory school courses: (34) credit hours:

Course Number	Course Title	Contact Hours		Credit Hours	Pre-requisite
		Theoretical	Practical		
0301101	Calculus (1)	3	-	3	-
0303101	General chemistry (1)	3	-	3	-
0303231	Organic chemistry (1)	3	-	3	0303101
0304101	General biology (1)	3	-	3	-
0304102	General biology (2)	3	-	3	0304101
0304111	Practical General biology	-	3	1	0304101 or co-requisite
0532201	Anatomy and histology for pharmacy	2	-	2	0304102
0532202	Anatomy and histology for pharmacy-practical	-	3	1	0532201 or co-requisite
0534315	Pathology for pharmacy	2	-	2	0532201
0551214	Physiology for pharmacy (1)	2	-	2	0304102
0551215	Physiology for pharmacy (2)	2	-	2	0551214
0702501	Basic nursing skills	-	3	1	1203471
1203301	Pathophysiology for pharmacy	3	-	3	0551215
1203302	First aid	2	-	2	0532201
1942102	Computer skills for humanities	3	-	3	1902099 1901098

Elective faculty courses: (0) credit hours:

Course Number	Course Title	Contact Hours		Credit Hours	Pre-requisite
		Theoretical	Practical		

Fourth: Specialty courses: (155) credit hours distributed as follows:

Obligatory specialty courses: (143) credit hours

Elective specialty courses: (12) credit hours

Obligatory specialty courses: (143) credit hours:

Course Number	Course Title	Contact Hours		Credit Hours	Pre-requisite
		Theoretical	Practical		
1200401	Pharmaceutical field training (1)	--	15	2	1203364
1201201	Pharmaceutical chemical analysis	2	-	2	0303231
1201202	Pharmaceutical chemical analysis – practical	-	3	1	1201201 or co-requisite
1201215	Pharmaceutical organic chemistry (1)	3	-	3	0303231
1201315	Pharmaceutical instrumental analysis	2	-	2	1201201
1201316	Pharmaceutical instrumental analysis- practical	-	3	1	1201315 or co-requisite
1201321	Pharmacognosy	2	-	2	1203251 0304102
1201322	Pharmacognosy- practical	-	3	1	1201321 or co-requisite
1201390	Chemistry of medicinal plants	2	-	2	1201321
1201401	Medicinal Chemistry (1)	3	-	3	1201215 1203364
1201402	Medicinal chemistry (2)	2	-	2	1201401
1201414	Complementary and alternative medicine	3	-	3	1201390
1201515	Medicinal Chemistry (3)	3	-	3	1201401
1202134	Physicochemical principles of pharmacy	2	-	2	0303101
1202230	Pharmaceutical calculations and compounding	2	-	2	1202134
1202234	Pharmaceutical calculations and compounding- practical	-	3	1	1202230 or co-requisite
1202235	Physical pharmacy	2	-	2	1202134
1202341	Pharmaceutical microbiology (1)	3	-	3	0304102
1202381	Pharmaceutical statistics	2	-	2	0301101
1202441	Pharmaceutical Microbiology (2)	2	-	2	1202341
1202442	Pharmaceutical Microbiology - practical	-	3	1	1202441 or co-requisite

1202517	Pharmacy regulations and ethics	2	-	2	1203364
1203102	Medical terminology	1	-	1	
1203251	Biochemistry (1)	2	-	2	0303231
1203252	Biochemistry-practical	-	3	1	1203251 or co-requisite
1203253	Biochemistry (2)	3	-	3	1203251
1203363	Pharmacology (1)	3	-	3	0551215
1203364	Pharmacology (2)	3	-	3	1203363
1203365	Pharmacology-practical	-	3	1	1203363 or co-requisite
1203401	Pharmacoeconomics	2	-	2	1203364
1203405	Pharmacy practice (1)	2	-	2	1203364
1203406	Pharmacy practice (2)	2	-	2	1203405
1203411	Clinical biochemistry (1)	2	-	2	1203301
1203412	Clinical Biochemistry (2)	2	-	2	1203411
1203426	Therapeutics (1)	3	-	3	1203364
1203427	Case studies in therapeutics (1)	-	3	1	1203426 or co-requisite
1203429	Therapeutics (2)	3	-	3	1203364
1203430	Case studies in therapeutics (2)	-	3	1	1203429 or co-requisite
1203471	Biopharmaceutics	2	-	2	1202235
1203475	Pharmacokinetics	2	-	2	1203471
1203476	Case studies in pharmacokinetics	-	3	1	1203475 or co-requisite
1203504	Therapeutics (3)	3	-	3	1203364
1203505	Case studies in therapeutics (3)	-	3	1	1203504 or co-requisite
1203506	Therapeutics (4)	3	-	3	1203364
1203507	Case studies in therapeutics (4)	-	3	1	1203506 or co-requisite
1203513	Pharmaceutical promotion and marketing (1)	3	-	3	1203401
1203516	Pharmacy practice (3)	1	-	1	1203405
1203518	Pharmaceutical literature evaluation	2	-	2	1203405
1203519	Pharmaceutical nutrition and diet therapy	3	-	3	1203412
1203562	Toxicology	2	-	2	1203364
1203563	Over the counter drugs (OTC)	2	-	2	1203363
1203577	Clinical pharmacokinetics	2	-	2	1203475
1203601	Internal medicine clerkship (1)	-	21	7	1203506
1203602	Internal medicine clerkship (2)	-	21	7	1203506
1203603	Pediatric clerkship	-	12	4	1203506
1203604	Psychiatric and Geriatric clerkship	-	6	2	1203506
1203605	Gynaecology and Obstetrics and clerkship	-	6	2	1203506

1203606	Surgery Clerkship	-	6	2	1203506
1203607	Clinical pharmacokinetics clerkship	-	6	2	1203506
1203608	Ambulatory care clerkship	-	9	3	1203506
1203610	Research project	-	-	1	1203506
1210402	Pharmaceutical field training (2)	-	15	2	1203364
1211212	Pharmaceutical organic chemistry-practical (1)	-	3	1	1201215 or co-requisite
1212331	Pharmaceutical technology (1)	2	-	2	1202230
1212332	Pharmaceutical technology-practical (1)	-	3	1	1212331 or co-requisite
1213302	Immunology and genetics	3	-	3	1203253

B. Elective specialty courses: (12) credit hours:

Course Number	Course Title	Contact Hours		Credit Hours	Pre-requisite
		Theoretical	Practical		
1201524	Applied chromatography	2	-	2	1201315
1201531	Poisonous and hallucinogenic plants	2	-	2	1203364
1201535	Pharmaceutical biotechnology	2	-	2	1201401
1201571	Seminar in pharmaceutical sciences	1	-	1	1201401 1201390
1202532	Selected topics in physical pharmacy	2	-	2	1202235
1202533	Pharmaceutical radioisotopes	2	-	2	1201401
1202536	Cosmetics science	2	-	2	1202230
1202541	Selected topics in pharmaceutical microbiology	2	-	2	1202441
1202572	Seminar in pharmaceutics and pharmaceutical technology	1	-	1	1212331
1203514	Pharmaceutical promotion and marketing 2	2	-	2	1203513
1203515	Pharmaceutical intellectual property	2	-	2	1203401
1203573	Seminar in Biopharmaceutics and clinical pharmacy	1	-	1	1203429
1213552	Parapharmaceuticals	2	-	2	1203364
1213563	Selected topics in clinical toxicology	2	-	2	1203562

Fifth: Courses offered by other faculties and departments

Course Number	Course Title	Contact Hours		Credit Hours	Pre-requisite
		Theoretical	Practical		

Sixth: Advisory Study Plan
(1 st) Year

(1) Semester			(2) Semester		
Course Number	Course Title	Credit Hours	Course Number	Course Title	Credit Hours
0304101	General biology (1)	3	0304102	General biology (2)	3
0304111	Practical General biology	1	0303231	Organic chemistry (1)	3
0303101	General chemistry (1)	3	1942102	Computer skills for humanities	3
0301101	Calculus (1)	3	1203102	Medical terminology	1
	University requirement	3	1202134	Physicochemical principles of pharmacy	2
	University requirement	3		University requirement	3
	University requirement	3		University requirement	3
Total		19	Total		18

(2 nd) Year

(1) Semester			(2) Semester		
Course Number	Course Title	Credit Hours	Course Number	Course Title	Credit Hours
0551214	Physiology for pharmacy (1)	2	0551215	Physiology for Pharmacy (2)	2
0532201	Anatomy and histology for Pharmacy	2	1203252	Biochemistry-practical	1
0532202	Anatomy and histology for pharmacy-practical	1	1203253	Biochemistry (2)	3
1203251	Biochemistry (1)	2	1202235	Physical pharmacy	2
1201215	Pharmaceutical organic chemistry (1)	3	1201201	Pharmaceutical chemical analysis	2
1211212	Pharmaceutical organic chemistry-practical	1	1201202	Pharmaceutical chemical analysis – practical	1
1202230	Pharmaceutical calculations and compounding	2		University requirement	3
1202234	Pharmaceutical calculations and compounding-practical	1		University requirement	3
	University requirement	3			
Total		17	Total		17

(3 rd) Year

(1) Semester			(2) Semester		
Course Number	Course Title	Credit Hours	Course Number	Course Title	Credit Hours
1203363	Pharmacology (1)	3	1203364	Pharmacology (2)	3
1203365	Pharmacology-practical	1	1203301	Pathophysiology for pharmacy	3
534315	Pathology for pharmacy	2	1213302	Immunology and genetics	3
1201321	Pharmacognosy	2	1201315	Pharmaceutical instrumental analysis	2
1201322	Pharmacognosy- practical	1	1201316	Pharmaceutical instrumental analysis-practical	1
1202381	Pharmaceutical statistics	2	1201390	Chemistry of medicinal plants	2
1203302	First aid	2	1202341	Pharmaceutical microbiology (1)	3
1212331	Pharmaceutical technology (1)	2			
1212332	Pharmaceutical technology-practical (1)	1			
	University Requirement	3			
Total		19	Total		17

(summer) Semester			(2) Semester		
Course Number	Course Title	Credit Hours	Course Number	Course Title	Credit Hours
1200401	Pharmaceutical field training (1)	2			
Total		2	Total		

(4 th) Year

(1) Semester			(2) Semester		
Course Number	Course Title	Credit Hours	Course Number	Course Title	Credit Hours
1203426	Therapeutics (1)	3	1203429	Therapeutics (2)	3
1203427	Case studies in therapeutics (1)	1	1203430	Case studies in therapeutics (2)	1
1201401	Medicinal chemistry (1)	3	1201402	Medicinal chemistry (2)	2
1203471	Biopharmaceutics	2	1203475	Pharmacokinetics	2
1202441	Pharmaceutical microbiology (2)	2	1203476	Case studies in pharmacokinetics	1
1202442	Pharmaceutical microbiology -practical	1	1203412	Clinical Biochemistry (2)	2
1203411	Clinical biochemistry (1)	2	1203406	Pharmacy practice (2)	2
1203405	Pharmacy practice (1)	2	1201414	Complementary and alternative medicine	3
	Elective	2	1203401	Pharmacoeconomics	2
			702501	Basic nursing skills	1
Total		18	Total		19

(summer) Semester			(2) Semester		
Course Number	Course Title	Credit Hours	Course Number	Course Title	Credit Hours
1210402	Pharmaceutical field training (2)	2			
Total		2	Total		

(5 th) Year

(1) Semester			(2) Semester		
Course Number	Course Title	Credit Hours	Course Number	Course Title	Credit Hours
1203504	Therapeutics (3)	3	1203506	Therapeutics (4)	3
1203505	Case studies in therapeutics (3)	1	1203507	Case studies in therapeutics (4)	1
1203513	Pharmaceutical promotion and marketing (1)	3	1202517	Pharmacy regulations and ethics	2
1203577	Clinical pharmacokinetics	2	1203518	Pharmaceutical literature evaluation	2
1201515	Medicinal chemistry (3)	3	1203519	Pharmaceutical nutrition and diet therapy	3
1203516	Pharmacy practice (3)	1	1203563	Over the counter drugs (OTC)	2
1203562	Toxicology	2		Elective	2
	Electives	2		Electives	2
	Electives	2		Electives	2
Total		19	Total		19

(6 th) Year

(1) Semester			(2) Semester		
Course Number	Course Title	Credit Hours	Course Number	Course Title	Credit Hours
1203601	Internal medicine clerkship (1)	7*	1203602	Internal medicine clerkship (2)	7*
1203603	Pediatric clerkship	4*	1203607	Clinical pharmacokinetics clerkship	2*
1203604	Psychiatric and Geriatric clerkship	2*	1203606	Surgery clerkship	2*
1203605	Gynecology and Obstetrics clerkship	2*	1203608	Ambulatory care clerkship	3*
			1203610	Research project	1
Total			Total		

One credit hour is equivalent to clinical training for 1 week from 8 am till 5 pm

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