

Jerash University

Faculty of Pharmacy

Program: Pharmacy

Program Plan 2021/2022

(160 Credit Hours)

1 - University Requirements (27 Cr. Hrs.): 18 Obligatory + 9 Elective
2 - Faculty Requirements (18 Cr. Hrs.): 18 Obligatory
3 - Specialization Requirements (115 Cr. Hrs.): 106 Obligatory + 9 Elective

1 - University Requirements: A. Obligatory Requirements (18 Cr. Hrs.)

Prerequisite / Co-requisite	Teaching Style	Practical	Theoretical	Cr. Hrs.	Course Name	Course Code
---	O	-	3	3	Military Science	0000101
101099	O	-	3	3	Communication Skills in Arabic	0000110
102099	O	-	3	3	Communication Skills in English	0000112
---	O	-	3	3	National Education	0000113
---	O	-	3	3	Islamic Culture	0000120
---	O	-	1	1	Pioneering & Innovation	0000147
---	O	-	1	1	Leadership & Life Responsibility	0000148
---	O	-	1	1	Life Skills	0000149
---	-	-	0	0	Volunteer Work of Community Service	0000105

B. Elective Requirements (9 Cr. Hrs.)

Prerequisite / Co-requisite	Teaching Style	Practical	Theoretical	Cr. Hrs.	Course Name	Course Code
---	T	-	3	3	Thinking and Creativity	0000114
---	T	-	3	3	Jerusalem (Palestinian Cause)	0000118
---	B	-	3	3	Human Rights	0000122
---	O	-	3	3	Contemporary Legal Issues	0000124
---	B	-	3	3	Introduction on Economics	0000126
---	B	-	3	3	Transfer of Knowledge	0000128
---	T	-	3	3	Introduction to Psychology	0000130
---	B	-	3	3	Ethics and Behavior	0000132
---	O	-	3	3	Ecology and Agriculture	0000136
---	B	-	3	3	Climate Change & Sustainability Policy	0000138
---	O	-	3	3	Food in Our Lives	0000139
---	T	-	3	3	Basics in Computer Skills	0000140
---	T	-	3	3	German Language	0000141
---	B	-	3	3	Introduction to Computers and Internet	0000142
---	T	-	3	3	Basics in Arabic Language	0000144
---	T	-	3	3	Islam & Contemporary Issues	0000145
---	T	-	3	3	Digital Literacy	0000150
---	T	-	3	3	Development & Environment	0000151
---	O	-	3	3	Language Skills and Diction	0000152

Prerequisite / Co-requisite	Teaching Style	Practical	Theoretical	Cr. Hrs.	Course Name	Course Code
1101335	B	-	3	3	Clinical Biochemistry	1101413
1101413 co	T	2	-	1	Clinical Biochemistry/Practical	1101414
1101320	O	-	3	3	Cosmetics	1101421
1101335	T	-	3	3	Pharmacology (3)	1101431
1101134	B	-	2	2	Pathophysiology	1101432
1101431	B	-	3	3	Biopharmaceutics and Pharmacokinetics	1101433
1101433 co	T	2	-	1	Biopharmaceutics and Pharmacokinetics/Practical	1101434
1101332	O	-	2	2	Public Health	1101435
1101335	B	-	3	3	Community Pharmacy and Drug Information	1101440
1101335	B	-	2	2	Pharmaceutical Care	1101441
1101440	B	-	2	2	Evidence-Based Pharmaceutical Practice	1101442
Dep. Approval	B	80	2	2	Pharmacy Training (1) New Plan	1101460
1101460 co	T	80 + 2	-	1	Pharmacy Training (2) New Plan	1101461
1101460	O	-	1	1	Pharmacoeconomics	1101521
1101460	O	-	1	1	Pharmaceutical Legislation and Ethics	1101522
1101431	B	-	2	2	Clinical Pharmacy and Therapeutics (1)	1101531
1101531 co	O	2	-	1	Clinical Pharmacy and Therapeutics (1)/Practical	1101532
1101531	B	-	2	2	Clinical Pharmacy and Therapeutics (2)	1101533
1101533 co	O	2	-	1	Clinical Pharmacy and Therapeutics (2)/Practical	1101534
1101533	T	-	3	3	Clinical Pharmacy and Therapeutics (3)	1101536
1101536 co	T	2	-	1	Clinical Cases/Practical	1101537
1101435	B	-	3	3	Pharmaceutical Biotechnology	1101541
1101431	T	-	3	3	Phytotherapy	1101542
1101324	T	-	3	3	Advanced Pharmaceutical Technology	1101543
1101460	O	-	2	2	Pharmaceutical Marketing	1101545
1101543 co	T	2	-	1	Pharmaceutical Dispensing / Practical	1101546
1101460	T	160	-	3	Experiential Pharmacy Training*	1101561

B. Elective Requirements (9 Cr. Hrs.)

Prerequisite / Co-requisite	Teaching Style	Practical	Theoretical	Cr. Hrs.	Course Name	Course Code
1101324	B	-	3	3	Pharmaceutical Quality and Assurance	1101552
1101541	B	-	3	3	Special Topics	1101553
1101411	B	-	3	3	Drug Design and Discovery	1101554
1101431	B	-	3	3	Clinical Toxicology	1101555
1101460	B	-	3	3	Introduction to Scientific Research	1101556
1101317	B	-	3	3	Alternative and Complementary Medicine	1101557

Notes:

- Upon admission to the program, students should attend evaluation exams in Arabic language, English language and computer skills. Students who fail in one/more exam(s) are required to register for respective remedial course(s).

- **Learning Style:** (T = Traditional face-to-face, B = Blended, O: Online)

PLAN APPROVED BY THE DEANS COUNCIL (4) ON 07/11/2021

---	T	-	3	3	First Aid	0000167
---	B	-	3	3	Sports and Health	0000168
---	B	-	3	3	Fundamentals of Renewable Energy	0000175

2 - Faculty Requirements (18 Cr. Hrs.):

Prerequisite / Co-requisite	Teaching Style	Practical	Theoretical	Cr. Hrs.	Course Name	Course Code
---	B	-	3	3	General Chemistry (1)	0301101
---	B	-	3	3	General Biology (1)	0302101
0301101	T	-	3	3	Pharmaceutical Organic Chemistry (1)	1101111
0301101	B	-	3	3	Pharmaceutical Analytical Chemistry	1101115
---	T	-	2	2	Pharmaceutical Calculations and Principles of Biostatistics	1101121
0302101 co	B	-	2	2	Human Anatomy and Histology	1101131
1101111	B	-	2	2	Pharmaceutical Organic Chemistry (2)	1101210

3 - Specialization Requirements: A. Obligatory Requirements (106 Cr. Hrs.)

Prerequisite / Co-requisite	Teaching Style	Practical	Theoretical	Cr. Hrs.	Course Name	Course Code
1101111 co	T	2	-	1	Pharmaceutical Basic Chemistry/ Practical	1101116
1101131	B	-	3	3	Physiology	1101134
1101115	B	-	2	2	Instrumental Analysis	1101212
1101212 co	T	2	-	1	Instrumental Analysis/Practical	1101213
1101121	T	-	2	2	Pharmaceutics (1) New Plan	1101221
1101221 co	T	2	-	1	Pharmacy Practice (1)/Practical	1101222
1101210	B	-	3	3	Pharmaceutical Biochemistry	1101223
1101221	T	-	3	3	Pharmaceutics (2) New Plan	1101224
1101224 co	T	2	-	1	Pharmacy Practice (2)/Practical	1101225
1101210	T	-	2	2	Pharmaceutical Medicinal Chemistry (1)	1101311
1101311	B	-	3	3	Pharmaceutical Medicinal Chemistry (2)	1101312
1101312 co	T	2	-	1	Pharmaceutical Medicinal Chemistry (2)/Practical	1101313
1101311	T	-	3	3	Pharmacognosy and Chemistry of Natural Products	1101317
1101317 co	T	2	-	1	Pharmacognosy and Chemistry of Natural Products/Practical	1101318
1101224	B	-	2	2	Drug Delivery Systems	1101320
1101224	B	-	3	3	Pharmaceutics (3) New Plan	1101324
1101324 co	T	2	-	1	Pharmacy Practice (3)/Practical	1101325
1101223	T	-	3	3	Pharmacology (1)	1101331
1101222	T	-	2	2	Immunology	1101332
0302101	B	-	3	3	Pharmaceutical Microbiology	1101333
1101333 co	T	2	-	1	Pharmaceutical Microbiology / Practical	1101334
1101331	T	-	3	3	Pharmacology (2)	1101335
1101335 co	T	2	-	1	Pharmacology (2)/Practical	1101336
1101223	T	-	2	2	Clinical Nutrition/Pharmacy	1101340
1101312	B	-	3	3	Pharmaceutical Medicinal Chemistry (3)	1101411