



جامعة الفيصل
Alfaisal University

كلية الصيدلة
College of Pharmacy

Pharm.D. Curriculum plan

2020-2021

Year 1-Phase 1 Semester 1							
Course code	Course title	Credit hour	Theory	Lab	Tutorial /practical	Pre-requisite	Co-requisite
PCHE 101	Chemistry I	3	2	1	-	-	-
PHSF 101	Human Structure and Function I	4	3	1	-	-	-
PAM 101	Algebra	3	3	-	-	-	-
PENG 005	English 005	4	UPP criteria are available for exemption from English courses. Those who are exempted from English are required to register for Study and Communication Skills (PSCS 101)				
PENG 006	English 006	4					
Total credit hour		10					

Year 1-Phase 1 Semester 2							
Course code	Course title	Credit hour	Theory	Lab	Tutorial /practical	Pre-requisite	Co-requisite
PCHE 112	Chemistry II	3	2	1	-	-	-
PHSF 112	Human Structure and Function II	4	3	1	-	-	-
PPHYM112	Physics for Medicine and Life Sciences	3	3	-	-	-	-
PBIO 112	Principles of biochemistry	3	3	-	-	-	-
PENG 007	English 007	3	UPP criteria are available for exemption from English courses.				
PENG 008	English 008	3					
Total credit hour		13					



Year-2—Phase 2 Semester 3							
Course code	Course title	Credit hour	Theory	Lab	Tutorial /practical	Pre-requisite	Co-requisite
ENG 231	Medical terminology	2	2	-	-	-	-
CHM 232	Organic chemistry	4	3	1	-	PCHE 101/112	-
ANT 233	Anatomy and histology	4	3	1	-	PHSF 101/ 112	PHY 234
PHY 234	Physiology	3	3	-	-	PHSF 101/112	ANT 233
MAT 235	Calculus	3	2	-	1	PAM 101	-
ARB 102	Elective; Arabic Language I	2	2	-	-	-	-
Total credit hours		18					

Year 2-phase 2 Semester 4							
Course code	Course title	Credit hour	Theory	Lab	Tutorial/ practical	Pre-requisite	Co-requisite
MCH 241	Medicinal chemistry	4	3	1	-	CHM 232	-
BCH 242	Biochemistry	4	3	1	-	-	-
MIC 243	Microbiology	3	2	1	-	-	-
IMM 244	Immunology	2	2	-	-	-	-
BST 245	Biostatistics and basic research methods	3	2	-	1	-	-
ISL 102	Elective; Islamic studies I	2	2	-	-	-	-
Total credit hours		18					



Year 3---Phase 2 Semester 5							
Course code	Course title	Credit hour	Theory	Lab	Tutorial/practical	Pre-requisite	Co-requisite
CAL 351	Pharmacy calculations	1	-	-	1	MAT 235	-
KIN 352	Pharmacokinetics	3	2		1	MAT 235	-
PHC 353	Pharmaceutics I: Dosage forms and stability	3	2	1	-	-	-
MIC 354	Advanced microbiology	2	1	1	-	MIC 243	-
IMM 355	Clinical immunology	1	1	-	-	IMM 244	-
PRC 356	Pharmacy practice and health care systems	3	3	-	-	-	-
ARB 113	Elective: Arabic language II	2	2	-	-	-	-
ESP 224 PSY 101 SOC 101 SCI 310	Elective	3	3	-	-	-	-
Total credit hours		18					

Electives available: English for Specific Purposes **ESP 224**, Introduction to psychology **PSY 101**, Introduction to sociology **SOC 101**, and Forensic science **SCI 310**

Year 3---Phase 2 Semester 6							
Course code	Course title	Credit hour	Theory	Lab	Tutorial/practical	Pre-requisite	Co-requisite
PHC 361	Pharmaceutics II: Drug delivery	2	2	-	-	PHC 353	-
PTH 362	Parenteral therapy	2	1	1	-	PHC 353 CAL 351	-
REG 363	Pharmacy regulations and health ethics	2	2	-	-	-	-
SCR 364	Self-care and non-prescription drugs	1	1	-	-	-	BPH 365
BPH 365	Basic pharmacotherapy	3	3	-	-	-	BPH 366
BPH 366	Basic pharmacotherapy; case-based seminars	1	-	-	1	-	BPH 365
BPH 367	Pharmacotherapy of antimicrobial agents	3	3	-	-	MIC 354 MCH 241	-
ISL 113	Elective; Islamic studies II	2	2	-	-	-	-
Total credit hours		16					



Year 4—Phase 3 Semester 7							
Course code	Course title	Credit hour	Theory	Lab	Tutorial/practical	Pre-requisite	Co-requisite
MTM 471	Medication therapy management	2	2	-	-	BPH 365	-
DIT 472	Drug information and evidence-based practice	3	2	1	-	-	-
IPH 473	Integrated pharmacotherapy I, CVS and Renal I	3	3	-	-	BPH 365	IPH 474
IPH 474	Integrated pharmacotherapy I: CVS and Renal I "case-based seminars"	1	-	-	1	BPH 366	IPH 473
IPH 475	Integrated pharmacotherapy MSK and RES	3	3	-	-	BPH 365	IPH 476
IPH 476	Integrated pharmacotherapy II: MSK and RES "case-based seminars"	1	-	-	1	BPH 366	IPH 475
PCL 477	Patient care and health system management lab, I	2	1	1	-	BPH 366	IPH 473 IPH 474 IPH 475 IPH 476
PHG 478	Elective/ selective Pharmacogenomics and personalized medicine	2	2	-	-	-	-
Total credit hours		17					

Year 4---Phase 3 Semester 8							
Course code	Course title	Credit hour	Theory	Lab	Tutorial/practical	Pre-requisite	Co-requisite
KIN 481	Clinical pharmacokinetics	2	1	-	1	KIN 352	-
ECO 482	Pharmacoeconomics and health outcomes	3	3	-	-	-	-
IPH 483	Integrated pharmacotherapy IV, Endocrine and Women's Health	3	3	-	-	BPH 365	IPH 484
IPH 484	Integrated pharmacotherapy IV: Endocrine and Women's Health "case-based seminars"	1	-	-	1	BPH 366	IPH 483
IPH 485	Integrated pharmacotherapy III, CNS	3	3	-	-	BPH 365	IPH 486
IPH 486	Integrated pharmacotherapy III: CNS "case-based seminars"	1	-	-	1	BPH 366	IPH 485
PCL 487	Patient care and health system management lab II	2	1	1	-	BPH 366	IPH 483 IPH 484 IPH 485 IPH 486
CAM 488	Elective/ selective Complementary and alternative medicine	2	2	-	-	-	-
Total credit hours		17					

IPP 489 Introductory Pharmacy Practice Experience (IPPE) I- 4 weeks training in the summertime in; Community service/ pharmacy, and pharmacies in primary health care centers.



Year 5---Phase 3 Semester 9							
Course code	Course title	Credit hour	Theory	Lab	Tutorial/practical	Pre-requisite	Co-requisite
IPH 591	Integrated pharmacotherapy V, CVS and Renal II	3	3	-	-	IPH 473	IPH 592
IPH 592	Integrated pharmacotherapy V:CVS and Renal I "case-based seminars"	1	-	-	1	IPH 474	IPH 591
IPH 593	Integrated pharmacotherapy VI, Infectious disease	3	3	-	-	BPH 365 BPH 367	IPH 594
IPH 594	Integrated pharmacotherapy VI: Infectious disease "case-based seminars"	1	-	-	1	BPH 366 BPH 367	IPH 593
PCL 595	Patient care and health system management laboratory III	2	1	1	-	PCL 477 PCL 487	IPH 591 IPH 592 IPH 593 IPH 594
IPP 596	Introductory Pharmacy practice experience (IPPE) II (out-patient pharmacy)	2	-	-	2	-	-
RES 5X6 A	Research project	0	0	0	0	BST 245	-
PHI 597 MRT 598 MIM 599	Elective	2	2	-	-	-	-
Total credit hours		14					

Electives available:

Pharmaceutical industry **PHI 597**, Marketing for pharmacists **MRT 598**, Medical imaging for pharmacists **MIM 599**

Year 5---Phase 3 Semester 10							
Course code	Course title	Credit hour	Theory	Lab	Tutorial/practical	Pre-requisite	Co-requisite
IPH 5X1	Integrated pharmacotherapy VII, Haematology/Oncology/Palliative Care/ GIT	3	3	-	-	BPH 365	IPH 5X2
IPH 5X2	Integrated pharmacotherapy VII: Haematology/Oncology/Palliative Care/ GIT "case based seminars"	1	-	-	1	BPH 366	IPH 5X1
MSF 5X3	Medication safety and health informatics	3	2	1	-	-	-
PCL 5X4	Patient care and health system management laboratory IV	2	1	1	-	PCL 477 PCL 487	IPH 5X1 IPH 5X2
IPP 5X5	Introductory Pharmacy practice experience (IPPE) III (in-patient pharmacy)	2	-	-	2	-	-
RES 5X6 B	Research project	3	-	-	3	BST 245	-
Total credit hours		14					



6th year Advanced pharmacy practice experience rotations (APPE)	
Core rotations	Selective/ Elective rotations (Select 3-5)
5 core rotations are mandatory for all Ambulatory care General internal medicine Institutional pharmacy practice Community pharmacy practice Pharmacy administration and management	General pediatrics Infectious diseases Cardiology Adult critical care Drug Information TPN Adult haematology/Oncology
Free/ Elective rotations (Select 0-2)	
Organ Transplant Nephrology Acute care Pharmacy automation and informatics Surgery Paediatric/ neonatal critical care	Investigational drug services Medication safety Pharmacy quality improvement Pharmaceutical industry Regulatory affairs Medical Toxicology
Total	40 weeks
Pre-requisite for all rotations are IPP 489, IPP 596, IPP 5X5	

All students after finishing phase 3, are expected to finish 10 rotations for 45 weeks of advanced pharmacy practice experience. 5 core rotations are mandatory for all. From the elective rotations, (3-5) can be chosen from the selective/ elective rotations, and the remaining ones (0-2) are freely chosen from the free elective list. This proposed structure is the make most of the rotations focused on direct patient care and communication.



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