

Doctor of Pharmacy-PharmD

College of Pharmacy Study Plan

Program

College of Pharmacy

Doctor of Pharmacy-PharmD

Pharm.D. Curriculum

Year 1—Phase 1, Semester 1

Item #	Title	Credits
PCHE 101/ CHM 103	Chemistry I	3
PHSF 101/PHY 103	Preparatory Human Structure and Function I	4
PAM 101/MAT 103	Algebra	3
PENG 005	Preparatory English Level 5	4
PENG 006	Preparatory English Level 6	4

[PENG 005](#), [PENG 006](#): UPP criteria are available for exemption from English courses.

Year 1—Phase 1 Semester 2

Item #	Title	Credits
PCHE 112/CHM 113	Chemistry II	3
PHSF 112/PHY 113	Preparatory Human Structure and Function II	4
PPHYM 112/PHU 113	Physics for medicine and health sciences	3
PBIO 112/BIO 113	Principles of Biochemistry	3
PENG 007	Preparatory English Level 7	3
PENG 008	Preparatory English Level 8	3

[PENG 007](#), [PENG 008](#): UPP criteria are available for exemption from English courses.

Year-2—Phase 2, Semester 3

Item #	Title	Credits
ENG 231	Medical terminology	2
CHM 232	Organic chemistry	4
ANT 233	Anatomy and histology	4
PHY 234	Physiology	3
MAT 235	Calculus	3
ARB 102	Elective/ Arabic language I	2

Year 2—phase 2, Semester 4

Item #	Title	Credits
MCH 241	Medicinal chemistry	4
BCH 242	Biochemistry	4
MIC 243	Microbiology	3
IMM 244	Immunology	2
BST 245	Biostatistics and basic research methods	3
ISL 102	Elective/ Islamic studies I	2

Year 3—Phase 2, Semester 5

Item #	Title	Credits
CAL 351	Pharmacy calculations	1
KIN 352	Pharmacokinetics	3
PHC 353	Pharmaceutics I: Dosage Forms and Stability	3
MIC 354	Advanced Microbiology	2
IMM 355	Clinical Immunology	1
PRC 356	Pharmacy Practice and Health Care Systems	3
ARB 113	Arabic Language II	2
	Elective for Pharm.D	3

Year 3—Phase 2, Semester 6

Item #	Title	Credits
PHC 361	Pharmaceutics II: Drug Delivery	2
PTH 362	Parenteral Therapy	2
REG 363	Pharmacy Regulations and Health Ethics	2
SCR 364	Self-care and Non-Prescription Drugs	1
BPH 365	Basic pharmacotherapy	3
BPH 366	Basic Pharmacotherapy '93case-based seminars'94	1
BPH 367	Pharmacotherapy of antimicrobial agents	3
ISL 113	Islamic Studies II	2

Year 4—Phase 3, Semester 7

Item #	Title	Credits
MTM 471	Medication therapy management	2
DIT 472	Drug information and evidence-based practice	3
IPH 473	Integrated pharmacotherapy I: - CVS and renal I	3
IPH 474	Integrated pharmacotherapy I: -CVS and renal I '93case-based seminars'94	1
IPH 475	Integrated pharmacotherapy II: - MSK and - RES	3
IPH 476	Integrated pharmacotherapy II: -MSK and - RES '93case-based seminars'94	1

PCL 477	Patient care and health system management laboratory I	2
PHG 478	Pharmacogenomics and personalized medicine	2

Year 4—Phase 3, Semester 8

Item #	Title	Credits
KIN 481	Clinical Pharmacokinetics	2
ECO 482	Pharmacoeconomics and health outcomes	3
IPH 483	Integrated pharmacotherapy IV: Endocrine and women's health	3
IPH 484	Integrated pharmacotherapy IV: Endocrine and women's health '93case-based seminars'94	1
IPH 485	Integrated pharmacotherapy III: - CNS -	3
IPH 486	Integrated pharmacotherapy III: - CNS - '93case-based seminars'94	1
PCL 487	Patient care and health system management laboratory II	2
CAM 488	Complementary and Alternative Medicine	2

Summer

Item #	Title	Credits
IPP 489	Introductory pharmacy practice experience I (IPPE)	3

Year 5—Phase 3, Semester 9

Item #	Title	Credits
IPH 591	Integrated pharmacotherapy V:- CVS and renal II	3
IPH 592	Integrated pharmacotherapy V: CVS and renal II '93case-based seminars'94	1
IPH 593	Integrated pharmacotherapy VI: Infectious diseases	3
IPH 594	Integrated pharmacotherapy VI: Infectious diseases '93case-based seminars'94	1
PCL 595	Patient care and health system management laboratory III	2
IPP 596	Introductory Pharmacy Practice Experience II	2
	RES 5X6	0
	Elective II for Pharm.D	3

Year 5—Phase 3, Semester 10

Item #	Title	Credits
IPH 5X1	Integrated pharmacotherapy VII: Haematology/ Oncology/ palliative care and GIT	3
IPH 5X2	Integrated pharmacotherapy VII: Haematology/ Oncology/ palliative care and GIT '93case-based seminars'94	1
MSF 5X3	Medication safety and health informatics	3
PCL 5X4	Patient care and health system management laboratory IV	2
IPP 5X5	Introductory Pharmacy Practice Experience III	2

6th year—Advanced Pharmacy Practice Experience Rotations (APPE)

Item #	Title	Credits
APP 600	Advanced pharmacy practice experience rotations - sixth year	4

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.