

Study Plan for the Pharm.D. Degree

(FACULTY OF PHARMACY)

FIRST YEAR (Preparatory Year)

FIRST SEMESTER					SECOND SEMESTER				
CODE	COURSE TITLE	CRED	LECT	LAB	CODE	COURSE TITLE	CRED	LECT	LAB
PENG 001	Prep English 1	3	20	0	PENG 003	Prep English 3	3	20	0
PENG 002	Prep English 2	3	20	0	PENG 008	Prep English 4	3	20	0
PBIO 121	Preparatory Biology	3	2	2	PCHM 121	Preparatory Chemistry	3	2	2
PCOS 001	Prep Computer Skills	2	2	0	PMDC 101	Medical Foundations	2	2	0
PCSK 001	Communication Skills	2	2	0	PIAS 121	Arabic Language	3	3	0
PHYS 121	Medical Physics	3	2	2	PISC 101	Intro. to Islamic Culture	2	2	0
TOTAL (CREDIT)		16			TOTAL (CREDIT)		16		

SECOND YEAR

FIRST SEMESTER						
CODE	COURSE TITLE	CRED	LECT	LAB	PRE-REQUISITE	CO-REQUISITE
ANAT 211	General Anatomy for Pharmacy	3	2	1	PMDC 101	
PSOL 213	Physiology for Pharmacy-I	2	2	-	PMDC 101	
PHCA 211	Pharmaceutical Analytical Chemistry-I	3	2	1	PCHM 121	
PHTC 211	Pharmaceutical Calculations	2	2	-	PCOS 001	
PHCO 212	Pharmaceutical Organic Chemistry-I	3	2	1	PCHM 121	
IC 102	Islam and Community Building	2	2	-	-	
TOTAL (CREDIT)		15				

SECOND SEMESTER						
CODE	COURSE TITLE	CRED	LECT	LAB	PRE-REQUISITE	CO-REQUISITE
PBCH 222	Biochemistry for Pharmacy-I	2	2	-	PCHM 121	
PSOL 223	Physiology for Pharmacy-II	2	2	-	PSOL 213	
PHCO 222	Pharmaceutical Organic Chemistry-II	2	2	-	PHCO 212	
PHCM 223	Medicinal Chemistry-I	2	2	-	PHCO 212	
PHTG 222	Pharmaceutics-I	3	2	1	PHTC 211	
CLNP 221	Introduction to Pharmacy Profession	2	2	-	-	
IAS 122	Arabic Language	2	2	-	-	
TOTAL (CREDIT)		15				

THIRD YEAR

FIRST SEMESTER						
CODE	COURSE TITLE	CRED	LECT	LAB	PRE-REQUISITE	CO-REQUISITE
PBCH 312	Biochemistry for Pharmacy-II	3	2	1	PBCH 222	
PCOL 314	Pharmacology-I	3	2	1	ANAT 211, PSOL 223	
PHTG 312	Pharmaceutics-II	3	2	1	PHTG 222	
PHCM 313	Medicinal Chemistry-II	2	2	-	PHCM 223	
PHTM 314	Clinical Microbiology-I	3	2	1	-	
IC 103	Islamic Economic System	2	2	-	-	
TOTAL (CREDIT)		16				

SECOND SEMESTER						
CODE	COURSE TITLE	CRED	LECT	LAB	PRE-REQUISITE	CO-REQUISITE
PCOL 324	Pharmacology-II	3	2	1	PCOL 314	
CLNP 321	Pharmacy Professional Ethics	2	2	-	CLNP 221	
PHTT 323	Industrial Pharmacy	3	2	1	PHTG 312	
PHTM 324	Clinical Microbiology-II	3	2	1	PHTM 314	
CLNT 323	Introduction to Pathophysiology	2	2	-	PCOL 314, PSOL 223	
PHCH 324	Evidence-Based Herbal Medicine	3	2	1	-	
IAS 212	Professional Ethics	2	2	-	-	
TOTAL (CREDIT)		18				

SUMMER TRAINING

CODE	COURSE TITLE	CRED
PHTR 320	Introductory Pharmacy Practice Experience (IPPE) = (160 Actual Training Hours)	6
TOTAL (CREDIT)		6

FOURTH YEAR

FIRST SEMESTER						
CODE	COURSE TITLE	CRED	LECT	LAB	PRE-REQUISITE	CO-REQUISITE
PCOL 414	Pharmacology-III	3	3	-	PCOL 324	
PHTM 414	Clinical Microbiology-III	2	2	-	PHTM 324	
PHTT 415	Biopharmaceutics and Pharmacokinetics	2	2	-	-	
PHCM 413	Medicinal Chemistry-III	2	2	-	PHCM 313	
CLNT 413	Pathophysiology and Therapeutics-I	3	2	1	CLNT 323	
CLNP 411	Pharmacy Care & OTC Drugs	2	1	1	CLNP 321	
CLNE 414	Pharmacy Information Systems	2	2	-	CLNP 221	
PHCH 414	Complementary Medicine	2	2	-	PHCH 324	
TOTAL (CREDIT)		18				

SECOND SEMESTER						
CODE	COURSE TITLE	CRED	LECT	LAB	PRE-REQUISITE	CO-REQUISITE
PCOL 424	Pharmacology-IV	2	2	-	PCOL 414	
PHTG 422	Sterile & Parental Preparations	2	1	1	PHTM 414 & PHTG 312	
CLNA 425	Clinical Immunology	3	2	1	PHTM 414	
PHTT 425	Pharmaceutical Biotechnology	2	2	-	-	
PHCA 421	Pharmaceutical Analytical Chemistry-II	3	2	1	PHCA 211	
CLNP 421	Pharmacy Law & Regulatory Affairs	1	1	-	-	
CLNT 423	Pathophysiology and Therapeutics-II	3	2	1	CLNT 413	
TOTAL (CREDIT)		16				

SUMMER TRAINING

CODE	COURSE TITLE	CRED
PHTR 420	Introductory Pharmacy Practice Experience (IPPE) = (160 Actual Training Hours)	6
TOTAL (CREDIT)		6

FIFTH YEAR

FIRST SEMESTER						
CODE	COURSE TITLE	CRED	LECT	LAB	PRE-REQUISITE	CO-REQUISITE
PTOX 515	Toxicology and Drugs Abuse	2	2	-	PCOL 424	
PHTG 512	Drugs Quality Assurance & Control	2	2	-	PHTG 422	
PCOL 514	Pharmacogenomics	2	2	-	CLNA 425	
CLNT 513	Pathophysiology and Therapeutics-III	3	2	1	CLNT 423	
CLNA 515	Applied Pharmacokinetics	2	1	1	PCOL 414 & PHTT 415	
CLNI 512	Research Methodology & Scientific Writing	2	2	-	-	
CLNS 516	Biostatistics	1	1	-	-	
ELCT- 01	Elective -I	3			-	
TOTAL (CREDIT)		17				

SECOND SEMESTER						
CODE	COURSE TITLE	CRED	LECT	LAB	PRE-REQUISITE	CO-REQUISITE
CLNA 525	Pharmacoinformatics	2	2	-	-	
CLNP 521	Community Pharmacy	2	2	-	CLNP 421 & CLNP 411	
CLNI 522	Drug and Poison Information	2	2	-	PTOX 515	
CLNT 523	Pathophysiology and Therapeutics-IV	3	2	1	CLNT 513	
CLNE 524	Pharmacy Management and Marketing	2	2	-	CLNE 414	
CLNS 526	Project and Seminar	3	2	1	CLNS 516 & CLNI 512	
ELCT- 02	Elective-II	3			-	
TOTAL (CREDIT)		17				

SUMMER TRAINING

CODE	COURSE TITLE	CRED
CLNR...	Rotation-1	3
CLNR...	Rotation-2	3
TOTAL (CREDIT)		6

SIXTH YEAR

FIRST SEMESTER		
CODE	COURSE TITLE	CRED
CLNR...	Rotation-3	3
CLNR...	Rotation-4	3
CLNR...	Rotation-5	3
CLNR...	Rotation-6	3
TOTAL (CREDIT)		12

SECOND SEMESTER		
CODE	COURSE TITLE	CRED
CLNR...	Rotation-7	3
CLNR...	Rotation-8	3
CLNR...	Rotation-9	3
CLNR...	Rotation-10	3
TOTAL (CREDIT)		12

ELECTIVE COURSES (Hours)						
CODE	COURSE TITLE	CRED	LECT	LAB	PRE-REQUISITE	CO-REQUISITE
Student has to select one of the following topics for Elective-I course						
CLNE 514	Pharmacoeconomics	3	3	-	PHTC 211	
PHTT 515	Cosmetics	3	2	1	PHTG 312	
CLNE 514	Hospital Systems	3	3	-	CLNE 414	
Student has to select one of the following topics for Elective-II course						
PTOX 525	Forensic Toxicology	3	2	1	PTOX 515 & PHCA 421	
PHTR 526	Radio-Pharmacy & -Therapy	3	3	-	PHTG 312, PHTT 425	
CLNE 524	Pharmacoepidemiology	3	2	1	CLNS 516	
TOTAL (CREDIT)		3 X 2 = 6				

ROTATIONS (Hours)			
Student will select 10 rotations from the following list			
CODE	ROTATION TITLE	CRED	PRE-REQUISITE
CLNR 643	Critical Care *	3	Completion of all Courses + PHTR 320 & PHTR 420
CLNR 644	Internal Medicine I *	3	
CLNR 645	Internal Medicine II *	3	
CLNR 646	Ambulatory Care *	3	
CLNR 647	Internal Medicine III	3	
CLNR 648	Nutritional Support*	3	
CLNR 649	Infectious Diseases	3	
CLNR 650	Pain Management	3	
CLNR 651	Organ Transplant	3	
CLNR 652	Nephrology	3	
CLNR 653	Neonatal Intensive Care	3	
CLNR 654	Pediatric Medicine	3	
CLNR 655	Hematology/Oncology	3	
CLNR 656	Psychiatry	3	
CLNR 657	Hospital Pharmacy Administration*	3	
CLNR 658	Toxicology (Clinical Rotation)	3	
CLNR 659	Geriatrics	3	
TOTAL (CREDIT)		10 X 3 = 30	

*Required (Obligatory) Rotations