

## Matrix of Courses learning outcomes (CLO) aligned with program learning outcomes (PLO)

PharmD Program	Course code	Course Title	A 1	A 2	A 3	A 4	A 5	A 6	B 1	B 2	B 3	B 4	B 5	B 6	B 7	B 8	B 9	C 1 a	C 1 b	C 2 a	C 2 b	C 2 c	C 2 d	C 2 e	C 2 f	C 2 g	C 3
Semester 1	GE 110	Composition and Modern English I								P	P	P					P	P	P			P		P	P		P
	GE 112	Mathematics for the Biological Sciences	P						P	P						P				P							P
	GE 114	General Chemistry	P					P	P																		P
	GE 120	Computer Concepts and Applications							P	P	P					P											P
	PS 111	Pharmacy Orientation																	P						P		P
	PS 131	Principles of Human Anatomy and Physiology I						P										P		P							P
Semester 2	GE 124	Islamic Studies														P	P	P				F					P
	PS 112	Pharmaceutical Calculations and Solution Dosage Forms	P	P				P										P		P	F						P
	PS 121	Pharmaceutical Organic Chemistry	P					P	P																		P
	PS 122	General Pharmacognosy	P			F		P			P	P						P								P	P
	PS 132	Medical Terminology	P					P		P	P																P
	PS 133	Principles of Human Anatomy and Physiology II						P										P					P				P
Semester 3	GE 126	UAE Society															P	P				F				P	P
	GE 128	Human Behavior and Socialization														P		P			P	P				P	P
	GE 130	Composition and Modern English II								P	P	P						P		P				P	P		P
	PS 211	Pharmaceutics and Drug Stability	P	P				P	P										P								P
	PS 221	Pharmaceutical Analytical Chemistry	F	P				P	P									P									P
	PS 231	Pharmacology and Therapeutics I	P		F		P	P			P																P
	PS 232	Biochemistry I	P					P			P								P		P						P





APPE	CR 542	Drug Information Rotation			F	P	F	F		F	F	P	P	P	P	F	P	F	F			F	P			F	F
	CR 543	Inpatient Hospital Pharmacy Practice Rotation		P	F		F	F		F	F	F	F	F	F	F	P	F	F	F	F	F	F		P		F
	CR 544	Community Pharmacy Care Rotation			F	F	F	F		F	F	F	P	P	F	F	P	F	F	F	F	F	F				F
	CR 545	Adult Acute Pharmaceutical Care Rotation			F		F	F		P	F	F	F	F		F	P	F	F		F	F	F			F	F
	CR 651	Oncology			F		F	F		P	F	F	F	F		F	P	F	F		F	F	F			F	F
	CR 652	Infectious Diseases			F		F	F		P	F	F	F	F		F	P	F	F		F	F	F			F	F
	CR 653	Cardiology			F		F	F		P	F	F	F	F		F	P	F	F		F	F	F			F	F
	CR 654	Family Medicine			F		F	F		P	F	F	F	F		F	P	F	F		F	F	F	F		F	F
	CR 655	Psychiatry			F		F	F		P	F	F	F	F		F	P	F	F		F	F	F			F	F
	CR 656	Pediatrics			F		F	F		P	F	F	F	F		F	P	F	F	P	F	F	F			F	F
	CR 671	Pharmaceutical Industry		F	P			P	F								P	F	P			P					F
	CR 672	Disease State Management			F		F	F		F	F	F	F	F		F	P	F	F		F	F	F		P	F	F
	CR 673	Nuclear Pharmacy			F		F	F	P	P	F	F	P	P		F	P	F	F		F	F	F			F	F
	CR 674	Consulting Pharmacy			F		F	F		F	F	F	F	F		F	P	F	F	P	F	F	F	F		F	F