

## تخطيط المناهج الدراسية لمقررات برنامج NBU-Pharm D

Acad. year	Code	Course Title	Pre requis.	C.H	Code	Course Title	Pre requis.	C.H	Code	Course Title	Pre requis.	C.H
1	1101102	Physics		3+0	1606102	English-2	1606101	3+0	1103102	Biology		3+0
	1102102	Chemistry		3+0	1105102	Computer Skills		3+0	1104102	Mathematics		3+0
	1608102	Health & Fitness		1+0	1607101	Communication Skills		2+0	3206131	Medical Terminology		2+0
	1606101	English-1		3+0	1602101	Arabic Language		2+0	1601101	Islamic Culture -2		2+0
	1601101	Islamic Culture -1		2+0	XXXX	Free course -1		2+0	XXXX	Free course -2		2+0
2	3206211	Anatomy & Histology I	1103102	1+1	3206212	Anatomy & Histology II	3206211	1+1	3203222	Pharmaceutical Organic chemistry II	3203221	2+1
	3206221	Physiology I	1103102	2+1	3206222	Physiology II	3206221	2+0	3201221	Pharmaceutics I (Dosage forms I)	-	2+1
	3203221	Pharmaceutical Organic chemistry I	1102102	2+0	3206231	Biochemistry I	1102102	2+1	3203211	Pharmaceutical Analytical chemistry	1102102	2+1
	3201212	Pharmaceutical Calculations	-	2+0	3204211	Pharmacognosy	1103102	2+1	3206232	Biochemistry II	3206231	2+1
	3201211	Introduction to Pharmacy	-	1+0	3201213	Physical Pharmacy	-	2+0				
	3206290	Biostatistics and research methodology	1102102	2+0								
3	3206341	Pathophysiology I	3206222	1+1	3203331	Medicinal Chemistry I	3203222	2+1	3203332	Medicinal Chemistry II	3203331	2+1
	3206351	Pharmaceutical Microbiology I	1103102	2+1	3202311	Pharmaceutical Care I	3206341	0+1	3205312	Pharmacology II	3205311	2+1
	3204312	Natural Products & Alternative Medicine	3204211	2+1	3206342	Pathophysiology II	3206341	3+0	3202321	Therapeutics 1	3206341	2+1
	3201322	Pharmaceutics II (Dosage forms II)	3201221	1+1	3206352	Pharmaceutical Microbiology II	3206351	2+0	1601XXX	*Elective Islamic-2	1601201	2+0
	1601XXX	*Elective (Islamic-1)	1601201	2+0	3205311	Pharmacology I	3206222	2+1	320XXXX	*Elective specialization-1	-	1+0
Summer	3202391	(IPPE-1)	108 C.H	0+2								
4	3203433	Medicinal Chemistry III	3203332	2+0	3201423	Pharmaceutics III (Drug Delivery System I)	3201322	2+0	3206454	Immunology	3206352	2+0
	3202401	First Aid & Emergency Medicine	-	0+1	3203441	Drug Discovery & Development	3203331	1+0	3201424	Pharmaceutics-IV (Drug Delivery System II)	3201423	1+0
	3202412	Pharmaceutical Care II	3202311	1+1	3202423	Therapeutics III	3202422	3+1	3201431	Biopharmaceutics & Pharmacokinetics	3205413	3+1
	3205413	Pharmacology III	3205312	2+1	3205414	Pharmacology IV	3205413	3+0	3202413	Institutional Pharmacy practice	3205413	3+0
	3202422	Therapeutics II	3202321	3+1	3206433	Molecular Biology	3206232	2+0	3206455	Pharmaceutical Biotechnology	3206352	1+1
Summer	3202392	(IPPE-2)	146 C.H	0+2								
5	3205515	Basic & Clinical Toxicology I	3205414	2+0	3202525	Therapeutics V	3202524	3+1	3202535	Pharmacogenomics	3206433	2+0
	3202533	Pharmaco-epidemiology	3206290	2+0	3205516	Basic & Clinical Toxicology II	3205515	2+1	3202531	Drug Information Services	3206290	2+1
	3202524	Therapeutics IV	3202423	3+1	3202534	Pharmaco-economics	3206290	1+0	3202593	Pharm D Seminar	3202531	0+1
	3202532	Clinical Pharmacokinetics	3201431	1+1	3202502	Law and Ethics in Pharmacy Practice	3202413	1+0	3202536	Self-care and Nonprescription Drugs	3205414	2+0
					3202537	Total Parenteral Nutrition	3206232	1+0	3202XXX	*Elective specialization-2	-	2+0

## Internship courses

### 6<sup>th</sup> Year courses (levels 16, 17, &18)

Acad. year	Code	Course Title	Pre requis.	C.H	Code	Course Title	Pre requis.	C.H	Code	Course Title	Pre requis.	C.H
6	3202671	Cardiology and Coronary Care Unit (CCU).	178 C.H	0+4	3202674	Hospital Pharmacy (in & out patients).	178 C.H	0+4	3202XXX	Elective rotation 1	178 C.H	0+3
	3202672	Internal Medicine	178 C.H	0+4	3202675	Emergency Medicine	178 C.H	0+4	3202XXX	Elective rotation 2	178 C.H	0+3
	3202673	Intensive Care Unit (ICU).	178 C.H	0+4	3202676	Infectious Diseases.	178 C.H	0+4	3202XXX	Elective rotation 3	178 C.H	0+3
									3202XXX	Elective rotation 4	178 C.H	0+3
project	3202694	Research Project	178 C.H									

## Elective Courses

	Code	Course Title	Pre requis.	C.H	Code	Course Title	Pre requis.	C.H	Code	Course Title	Pre requis.	C.H
Elective University Courses	1601301	Islamic Culture 3	1601201	2+0	Elective specialisation2				Elective rotations			
	1601302	Islamic Culture 4	1601201	2+0								
	1601401	Islamic Culture 5	1601201	2+0	3202545	Forensic Clinical Pharmacy	3205414	2+0	3202685	Psychiatry	178 C.H	3+0
	1601402	Islamic Culture 6	1601201	2+0	3202546	Nuclear Pharmacy	3205414	2+0	3202686	Nephrology	178 C.H	3+0
	1601303	Islamic Culture 7	1601201	2+0	3202541	Pharmacoinformatics	3205414	2+0	3202687	Ambulatory Care	178 C.H	3+0
	1601403	Islamic Culture 8	1601201	2+0	3202543	Population Health Management	3202502	2+0	3202688	Community Pharmacy Practice	178 C.H	3+0
Elective specialisation1	3203351	Quality Control	3203211	1+0	3202542	Public health Pharmacy and Pharmacovigilance	3202524	2+0	3202681	Therapeutic Drug Monitoring (TDM)	178 C.H	3+0
	3203361	Bioinformatics	3205311	1+0					3202682	Hematology / Oncology	178 C.H	3+0
	3206353	Cancer Genetics	3206231	1+0					3202683	Surgery	178 C.H	3+0
	3204313	Phytotherapy.	3204212	1+0					3202684	Pediatrics	178 C.H	3+0