

Academic Calendar

Phase 1 (General requirements):

Semester 1 [22 CHs- 15 weeks]:

#	Title	Code	Duration (Weeks)	Credits hours
1	Arabic language-1	ARAB-112	All semester weeks	2
2	Biostatistics	ME-STAT-117	All semester weeks	2
3	Islamic studies -1	ISLAM-111	All semester weeks	2
4	Sudanese Studies -1	SUDAN-110	All semester weeks	2
5	English language-1	ENG-113	All semester weeks	2
6	Computer science-1	ME-COMP-116	2	2
7	Computer science-2	ME-COMP-124	2	2
8	Physics for medical equipments and investigations	ME-PHYS-115	3	2
9	Introduction to medicine and medical education	ME-EDU-114	3	2
10	Basic biochemistry	ME-BIOC-118	3	2
11	Genetic and molecular biology	ME-CELL-119	2	2

Phase 2 (Organ-system studies):

Semester 2 [23 CHs- 15 weeks]:

#	Title	Code	Duration (Weeks)	Credits hours
1	Arabic language-2	ARAB-122	All semester weeks	2
2	Introduction to Medical Ethics	ME-ETHIC-226	All semester weeks	2
3	Islamic studies-2	ISLAM-121	All semester weeks	2
4	Sudanese Studies -2	SUDAN-120	All semester weeks	2
5	English language-2	ENG-123	All semester weeks	2
6	Behavioral science	ME-BEHAV-119	2	2
7	Human body structure and function	PA-NAT-126	4	4
8	Principles of disease -1	ME-DIS-212-A	3	2
9	Organic chemistry for pharmacy	PA-ORG-127	3	3
10	Pharmacy orientation, Pharmaceutical calculations.	PA-CAL128	3	2

Semester 3 [25 CHs- 20 weeks]:

#	Title	Code	Duration (Weeks)	Credits hours
1	Professional skills-1 communication skills	PA-SKIL-211	All semester weeks	2
2	General and physical chemistry	PA-CHEM-217	All semester weeks	2
3	Human endocrine and metabolism	PA-METAB-214	5	5
4	Principles of disease -2	ME-DIS-212-B	3	3
5	Pharmacology -1	PA-PHARM-226	4	4
6	Pharmacognosy and plant sciences-1	PA-COG-215	5	5
7	Unit process	PA-UNPR-226	3	4

Semester 4 [20 CHs- 17 weeks]:

#	Title	Code	Duration (Weeks)	Credits hours
1	Professional skills-2 laboratory skills-1	PA-SKIL-221	All semester week	2
2	Pharmaceutical organic chemistry-2	PA-ORG-216	4	3
3	Pharmaceutical microbiology-1	PA-MIC-223	3	3
4	Pharmacology -2	PA-PHAR-222	4	4
5	Medicinal chemistry-1	PA-CHEM--224	3	4
6	Pharmacognosy and plant sciences -2	PA-COG-225	3	4

Semester 5 [23 CHs- 21 weeks]:

#	Title	Code	Duration (Weeks)	Credits hours
1	Professional skills-3- laboratory skills -2	PA-SKIL-321	All semester week	2
2	Pharmaceutical analysis-1	ME-NAL-312	3	3
3	Physical pharmacy	PA-PH-317	4	4
4	Pharmaceutical microbiology-2	PA-MIC-316	3	3
5	Powder technology	PA-PWTEC-314	3	4
6	Pharmacy practice-1	PA-PRAC-313	4	3
7	Pharmaco-epidemiology & economics	PA-EPIC-327	3	3

Semester 6 [23 CHs- 16 weeks]:

#	Title	Code	Duration (Weeks)	Credits hours
1	Professional skills-4- Drug supply management	PA-SKIL-321	All semester weeks	2
2	Introduction to Clinical pharmacy	PA-CLIN-322	All semester weeks	2
3	Pharmaceutical technology	PA-TEC-315	4	4
4	Dosage form design/QC	PA-DOS-326	3	4
5	Pharmacy practice-2	PA-PRAC-323	3	4
6	Basic therapeutics	PA-TREAT-325	4	4
7	Pharmaco-informatics	PA-INFO-324	3	4

Phase 3: Clerkship for industrial and clinical rotations

Semester 7 Industrial Pharmacy [25 CHs-21 weeks]

#	TITLE	CODE	Duration (Weeks)	Credit Hours
1	Drug Abuse	PA-DAB-411	Longitudinal	2
2	Rational drug use	PA-RDU-427	Longitudinal	2
3	Drug design	PA-DRUG-421	5	5
4	Packaging technology	PA-PAC-424	2	2
5	Quality assurance in pharmacy	PA-QUAL-422	2	2
6	Quality assurance in industry	PA-QUAL-426	2	2
7	Pharmaceutical analysis-2	PA-NAL-423	5	5
8	Principles of marketing in pharmacy & pharmaceutical management	PA-MARK-414	2	2
9	Research methodology	PA-REC-429	2	2

Semester 8 Clinical Pharmacy [18 CHs-16 weeks]				
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#	TITLE	CODE	Duration (Weeks)	Credit Hours
1	Medical Ethics & Forensic pharmacy	ME-PAR-413	Longitudinal	2
2	Architectural design of drug factory	PA-FAC-425	3	3
3	Internal medicine	PA-MED-411	3	3
4	General surgery	PA-SURG-414	2	2
5	Emergency medicine	PA-MER-412	2	2
6	Chest and cardiology	PA-CVRS-413	2	2
7	Orthopedics	PA-ORTOP-415	2	2
8	Dermatology	PA-DERM-417	2	2
9	Ophthalmology	PA-OPTAL-416	1	1

Semester 9 Clinical Pharmacy [20 CHs - 21 weeks]				
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#	TITLE	CODE	Duration (Weeks)	Credit Hours
1	Psychiatry	PA-SYC-522	3	3
2	Pediatric	PA-PED-524	3	3
3	Ear, Nose and Throat	PA-ENT-517	3	3
4	Obstetrics & Gynecology	PA-OBGYN-521	3	3
5	Family medicine	PA-FAM-523	3	3
6	Pharmaceutical Biotechnology	PA-BIOTEC-526	3	2
7	College drug mini factory design	PA-COLLAB-529	2	3

Semester 10 Industrial Pharmacy [19 CHs-16 weeks]				
#	TITLE	CODE	Duration (Weeks)	Credit Hours
1	Medicinal chemistry-2	PA-CHEM-518	3	3
2	Drug stability & Shelf-life study	PA-STAB-527	3	4
3	Herbal and alternative medicine and photochemical screening	PA-HERB-528	3	3
4	Biopharmaceutics & Pharmacokinetics	PA-BIOCEU-525	3	3
5	Home drug storage	PA-DRUG-530	1	2
6	Graduation Project	PA-REC-531	4	4