Komar University of Science and Technology (KUST)
College of Medicine
Department of Pharmacy (166 CH)

First Year (Freshmen) (37 CH)

Fall (18 CH)

- Level 4 — General Chemistry with Lab **CHM1410C**
- Level 4 — General Medical Biology **MED1300C**
- Level 4 — Biophysics **MED1305C**
- Level 4 — Computer Skills **CMP1300**
- Level 4 — Academic English I **EGH1310**
- Level 4 — Kurdology **SOS1205**

Spring (19 CH)

- CHM1410C — Pharmacy Orientation and Calculation I **PHR1300C**
- MED1300 — Analytical Chemistry **CHM2411C**
- MED1300 — Genetics **MED1200**
- MED1300 — Human Anatomy **MED1310C**
- EGH1300 — Academic English II **EGH1311**
- EGH1310 — Academic Debate **HUM1300**
- MED1300C — Medical Terminology **MED1100**

Second Year (Sophomore) (29 CH)

Fall (16 CH)

- PHR1400C — Pharmacy Orientation and Calculation II **PHR2100**
- CHM2411C — Organic Chemistry I **PHR2300C**
- MED1305C — Physical Pharmacy I **PHR2200**
- MED1310C — Human Physiology **PHR2405C**
- MED1200 — Microbiology I **MED2300C**
- MED1310C — General Histology **MED2305C**

Spring (13 CH)

- PHR2200 — Pharmacoeconomics **PHR2205**
- PHR2400C — Organic Chemistry II **PHR2305C**
- PHR2200 — Physical Pharmacy II **PHR2310C**
- MED2300C — Microbiology II **MED2310C**
- MED2300C — Basic Immunology **MED2200**

Third Year (Junior) (38 CH)

Fall (22 CH)

- PHR2405C — Pharmacognosy I **PHR3300C**
- PHR2405C — Biochemistry I **PHR3300C**
- PHR2405C — Medicinal Chemistry I **PHR3300C**
- PHR2310C — Pharmaceutical Compounding "Technology" I **PHR3305C**
- PHR2315C &MED2310C — Pharmacology I **PHR3210**
- PHR2300C — Biostatics **MTH3320**
- MED2305C — General Pathology **MED3300C**
- EGH1310 — Professional Communication **EGH3215**

Spring (16 CH)

- PHR3300C — Pharmacognosy and Phytochemistry **PHR3315C**
- PHR3400C — Biochemistry II **PHR3305C**
- PHR3200 — Medicinal Chemistry II **PHR3305C**
- PHR3305C — Pharmaceutical Compounding "Technology" II **PHR3320C**
- PHR3310 — Pharmacology II **PHR3215**
- PHR3310 — Drug Information **PHR3100**
- PHR3310 — Pharmacy Practice Experience I **PHR3105**

First Practical Training

Fourth Year (Senior) (32 CH)

Fall (17 CH)

- PHR3315C — Pharmacology III **PHR4300C**
- PHR3200 — Drug Discovery **PHR4200**
- PHR3320C — Biopharmaceutics **PHR4300C**
- MTH3320 — Public Health and First Aid **PHR4105**
- PHR3105 — Pharmacy Practice Experience II **PHR4210**
- PHR3105& MED3305C — Therapeutics I **PHR4205**
- PHR3105 — Community Pharmacy and Ethics **PHR4215**
- MTH3320 & EGH3215 — Research Methodology **HUM3215**

Spring (15 CH)

- PHR4400C — Toxicology **PHR4405C**
- PHR4200 — Drug Development and Regulations **PHR4201**
- PHR4300C — Pharmacokinetics **PHR4225**
- PHR4210 — Pharmacy Management and Administration **PHR4230**
- PHR4210 — Pharmacy Practice Experience III **PHR4100**
- PHR4305 — Therapeutics II **PHR4210**
- PHR4215 — Patient Assessment and Communication Skills **PHR4220**
- PHR4300C — Pharmacovigilance (Elective#1) **PHR4250**
- PHR3315C — Herbal and Natural Remedies (Elective#2) **PHR4251**

Second Practical Training

Fifth Year (Super Senior) (30 CH)

Fall (15 CH)

- PHR4220 — Advanced Pharmaceutical Analysis **PHR5305C**
- PHR4225 — Industrial Pharmacy I **PHR5300C**
- PHR4100& PHR4315 — Clinical Pharmacy and Lab (Case Studies) **PHR5100**
- PHR4310 — Clinical Biochemistry **PHR5305C**
- PHR4310 — Therapeutics III **PHR5310**
- PHR4310 — Hospital Training (Clinical Lab) **PHR5200**
- Dep. Approval — Graduation Project **PHR5495**
- PHR4300C — Pharmacogenomics (Elective#3) **PHR5250**

Spring (15 CH)

- PHR4225 — Prodrugs **PHR5105**
- PHR4225 — Clinical Pharmacokinetics **PHR5210**
- PHR5400C — Industrial Pharmacy II **PHR5310C**
- PHR5100 — Hospital Training (wards) **PHR5215**
- PHR4300C — Advanced Drug Delivery Systems **PHR5205**
- PHR5310 — Cancer Genetics and Personalized Medicine **PHR5110**
- **PHR4201** — Drug Literature Evaluation (Elective#4) **PHR5251**

Flowchart Legend

Code of Prerequisite → CHM1410C
Course Name → Pharmacy Orientation and Calculation I
Course Code → **PHR1400C**

- University Requirement
- College Requirement
- Department Requirement
- Department Elective (Optional)

CH: Credit Hour
C: The course has lab
Level4: The last level of English preparatory program

Version: 1.2
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www.komar.edu.iq/flowchart