

حكومة اقليم كردستان-العراق
رئاسة مجلس الوزراء
وزارة التعليم العالي والبحث العلمي
جامعة هولير الطبية
كلية الصيدلة
التسجيل



حکومتی هه‌ریمی کوردستان- عێراق
سه‌رو کابیه‌تی نه‌نجومه‌نی وه‌زیران
وه‌زاره‌تی خوێندنی بالا و توێژینه‌وه‌ی زانستی
زانکۆی هه‌ولێری پزشکی
کۆلیژی دەرمانسازی
تۆمار

Iraqi Kurdistan Region
Council of Ministers
Ministry of Higher Education & Scientific Research
Hawler Medical University

Hawler Medical University Faculty of Pharmacy Study Requirements

| Study Requirements for (2015-2016) (First Semester) | | | | |
|---|--------------------------|------------------------------|--------------------------|-----------|
| First Stage (Subjects) | Theory (hours/15week) | Practical (hours/15week) | Credit Hours Per Week | Units |
| General Chemistry | 45 | 45 | 3+1 | 4 |
| Human Biology | 45 | 45 | 3+1 | 4 |
| Kurdish language | 30 | Nil | 2 | 2 |
| Biostatistics and Mathematics | 30 | Nil | 2 | 2 |
| Information Technology (IT) | Nil | 45 | 1 | 1 |
| Biophysics | 30 | 45 | 2+1 | 3 |
| Academic Debate and English Language | 15 | 45 | 1+1 | 2 |
| Total Hours and Units | 195 | 180 | 18 | 18 |
| Study Requirements for (2015-2016) (Second Semester) | | | | |
| First Stage (Subjects) | Theory (hours/15week) | Practical (hours/15weeks) | Credit Hours Per Week | Units |
| Pharmaceutical Analytical Chemistry | 45 | 45 | 3+1 | 4 |
| Histology | 30 | 45 | 2+1 | 3 |
| Principle of pharmacy (practice and calculation) | 45 | 45 | 3+1 | 4 |
| Medical Terminology + English Language and Academic Debate | 15 | 45 | 1+1 | 2 |
| Kurdish Language | 30 | Nil | 2 | 2 |
| Genetics | 30 | Nil | 2 | 2 |
| Information Technology (IT) | Nil | 45 | 1 | 1 |
| Total Hours and Units | 195 | 225 | 18 | 18 |

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Study Requirements for (2015-2016) (First Semester)

| Second Stage (Subjects) | Theory (hours/15week) | Practical (hours/15weeks) | Credit Hours Per Week | Units |
|---|--------------------------|------------------------------|--------------------------|-----------|
| Pharmaceutical Organic Chemistry | 45 | 45 | 3+1 | 4 |
| Human Anatomy | 45 | 45 | 3+1 | 4 |
| Human Physiology | 30 | 45 | 2+1 | 3 |
| Medical Microbiology (Bacteriology) | 45 | 45 | 3+1 | 4 |
| Introduction to ph. Science (Physical Pharmacy) | 30 | Nil | 2 | 2 |
| Pharmaco Economic | 30 | Nil | 2 | 2 |
| Total Hours and Units | 225 | 180 | 19 | 19 |

Study Requirements for (2015-2016) (Second Semester)

| Second Stage (Subjects) | Theory (hours/15week) | Practical (hours/15weeks) | Credit Hours Per Week | Units |
|--|--------------------------|------------------------------|--------------------------|-----------|
| Pharmaceutical Organic Chemistry + | 45 | 45 | 3+1 | 4 |
| Accounting (Book Keeping) | 15 | Nil | 1 | 1 |
| Human Physiology | 45 | 45 | 3+1 | 4 |
| Medical Microbiology (virology and Parasitology) | 30 | 45 | 2+1 | 3 |
| Immunology | 30 | Nil | 2 | 2 |
| Physical Pharmacy | 45 | 45 | 3+1 | 4 |
| Total Hours and Units | 210 | 180 | 18 | 18 |

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Study Requirements for (2015-2016) (First Semester)

| Third Stage (Subjects) | Theory (hours/15week) | Practical (hours/15weeks) | Credit Hours Per Week | Units |
|---|-----------------------|---------------------------|-----------------------|-----------|
| Biochemistry | 45 | 45 | 3+1 | 4 |
| Pharmacognosy | 30 | 45 | 2+1 | 3 |
| Pharmacodynamic (pharmacology) | 30 | Nil | 2 | 2 |
| Pharmacodynamic (Medicinal Chemistry) | 30 | Nil | 2 | 2 |
| Pharmaceutical Compounding and Technology | 45 | 45 | 3+1 | 4 |
| Pathology | 30 | 45 | 2+1 | 3 |
| Total Hours and Units | 210 | 180 | 18 | 18 |

Study Requirements for (2015-2016) (Second Semester)

| Third Stage (Subjects) | Theory (hours/15week) | Practical (hours/15weeks) | Credit Hours Per Week | Units |
|---|-----------------------|---------------------------|-----------------------|-----------|
| Pharmacognosy | 30 | 45 | 2+1 | 3 |
| Pharmacodynamic (pharmacology) | 30 | 45 | 2+1 | 3 |
| Pharmacodynamic (Medicinal Chemistry) | 30 | Nil | 2 | 2 |
| Pharmaceutical Compounding and Technology | 45 | 45 | 3+1 | 4 |
| Drug informatics | 15 | Nil | 1 | 1 |
| Pharmacy Practice experience | Nil | 45 | 1 | 1 |
| Biochemistry | 30 | Nil | 2 | 2 |
| Pathophysiology | 30 | Nil | 2 | 2 |
| Total Hours and Units | 210 | 180 | 18 | 18 |

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Study Requirements for (2015-2016) (First Semester)

| Fourth Stage (Subjects) | Theory (hours/15week) | Practical (hours/15weeks) | Credit Hours Per Week | Units |
|---|-----------------------|---------------------------|-----------------------|-----------|
| Biopharmaceutics | 30 | Nil | 2 | 2 |
| Pharmacy practice | Nil | 45 | 1 | 1 |
| Pharmacodynamic (pharmacology) | 30 | Nil | 2 | 2 |
| Pharmacodynamic (Medicinal Chemistry) | 30 | 45 | 2+1 | 3 |
| Therapeutics: (1 Respiratory +GI system + Neurological disorder) | 60 | Nil | 4 | 4 |
| Public Health and First Aid | 30 | Nil | 2 | 2 |
| Patient Assessment and communication | 30 | 45 | 2+1 | 3 |
| Total Hours and Units | 210 | 135 | 17 | 17 |

Study Requirements for (2015-2016) (Second Semester)

| Fourth Stage (Subjects) | Theory (hours/15week) | Practical (hours/15weeks) | Credit Hours Per Week | Units |
|--|-----------------------|---------------------------|-----------------------|-----------|
| Pharmacokinetics | 30 | 45 | 2+1 | 3 |
| Pharmacodynamic (Toxicology) | 30 | 45 | 2+1 | 3 |
| Pharmacodynamic (Medicinal Chemistry) | 30 | Nil | 2 | 2 |
| Therapeutics: (Cardiovascular + Hematology +Oncology) | 60 | Nil | 4 | 4 |
| Pharmacy Management and Administration | 30 | Nil | 2 | 2 |
| Pharmacy Practice | Nil | 45 | 1 | 1 |
| Community Pharmacy +Law & Ethics | 30 | Nil | 2 | 2 |
| Total Hours and Units | 210 | 135 | 17 | 17 |

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| Study Requirements for (2015-2016) (First Semester) | | | | |
|--|-----------------------|--------------------------|-----------------------|-----------|
| Fifth Stage (Subjects) | Theory (Hours/15Week) | Practical (Hours/15Week) | Credit Hours Per Week | Units |
| Therapeutics | 45 | Nil | 3 | 3 |
| Industrial Pharmacy | 45 | 45 | 3+1 | 4 |
| Clinical Biochemistry | 45 | 45 | 3+1 | 4 |
| Graduation Research Project | Nil | 45 | 1 | 1 |
| Clinical Toxicology | 30 | 45 | 2+1 | 3 |
| Clinical Pharmacy (Case Studies) | Nil | 45 | 1 | 1 |
| Total Hours and Units | 165 | 225 | 16 | 16 |
| Study Requirements for (2015-2016) (Second Semester) | | | | |
| Fifth Stage (Subjects) | Theory (Hours/15Week) | Practical (Hours/15Week) | Credit Hours Per Week | Units |
| Pharmaceutical Instrumental Analysis | 30 | 45 | 2+1 | 3 |
| Industrial Pharmacy | 45 | 45 | 3+1 | 4 |
| Hospital Training (Clinical Lab) | 15 | 45 | 1+1 | 2 |
| Hospital Training (Wards) | 15 | 45 | 1+1 | 2 |
| Clinical Pharmacokinetics | 30 | Nil | 2 | 2 |
| Pro-drugs | 30 | Nil | 2 | 2 |
| Cosmetics | 15 | Nil | 1 | 1 |
| Total Hours and Units | 180 | 180 | 16 | 16 |