**Y E A R : T H I R D**

**S U B J E C T :** P H A R M A C O L O G Yعلم الادوية

**Theoretical hours: 3**

**Practical hours: 2**

**Units: 8**

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| **PHARMACOLOGY: THEORETICAL SUBJECTS** | **HOURS** |
| Principles of pharmacology | 9 |
| Drugs acting on autonomic and somatic nervous system | 10 |
| Drugs acting on central nervous system | 10 |
| Drug affecting gastrointestinal function | 5 |
| Autacoids and anti-inflammatory drugs | 8 |
| Dermatopharmacology | 2 |
| Chemotherapy of microbial diseases | 10 |
| Chemotherapy of parastic disease | 8 |
| Drug acting on cardiovascular system and blood | 7 |
| Drug affecting renal function and fluid-electrolyte therapy | 5 |
| Drug affecting the respiratory system | 6 |
| Endocrine pharmacology and hormones | 10 |
| **Total** | 90 |

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| **PHARMACOLOGY: PRACTICAL SUBJECTS** | HOURS |
| Metrology | 2 |
| Nature and sources of drugs | 4 |
| Pharmaceutical preparations and drug forms | 2 |
| Routes of drug administration | 2 |
| Variations in drug response (Species and individual) | 4 |
| Microsomal enzymes activity induction and drug response | 2 |
| Excretion of drugs | 2 |
| Prescrition writing | 2 |
| Dispensing | 4 |
| Action of drugs on the eyes | **2** |
| Action of drugs on isolated guinea pigs ileum | **2** |
| Drugs and effects on the rabbit intestine | **2** |
| Drugs and effects on rabbit uterus | **2** |
| Neuromuscular blocking (on the frog) | **2** |
| Calculation of drug dosage | **2** |
| Xylazine-ketamine anesthesia in rabbits | **2** |
| Dose response relationships (ED50, LD50, TI) | **2** |
| Anticonvulsants | **2** |
| Determination of blood cholinesterase activity | **2** |
| Organophosphate poisoning in rats or mice | **2** |
| Xylazine effects in sheep | **2** |
| Diuretics | **2** |
| Aspirin toxicity (comparison with acetaminophen) | **2** |
| Veterinary pharmaceutical preparations | **4** |
| Neurobehavioral effects of drugs and toxicants | **2** |
| Effects of drugs on the perfused heart | **2** |
| **Total** | **60** |