

محتوي المقررات العامة
الدبلوم المهني التخصصي في الصيدلة الإكلينيكية
Content of General Courses
Professional Specialized Diploma in Clinical Pharmacy
(PDCP-100)

First Semester	الفصل الدراسي الأول.
General Courses	المقررات العامة
PDCP GC-101 Clinical pharmacy	Credit hours (2+0)
The course is designed to provide students with knowledge and skills in the processing of patient related data, keeping patient medication record, therapeutic plan, therapeutic drug monitoring and patient counselling. Also, it covers parental and enteral nutrition, and I.V. admixtures, medication standards, medication errors and adverse drug reactions.	
PDCP GC-102 Applied Clinical Pharmacokinetics	Credit hours (1+1)
This course aims at providing the principles of clinical pharmacokinetics, including factors that affect the absorption, distribution, metabolism, excretion, and binding of drugs and integrating these principles into the process of monitoring, evaluating, and adjusting dosing for patients. In addition to critical thinking and problem-solving exercises that relate to drug dosing and monitoring functions, that are commonly performed by pharmacists in clinical practice.	
PDCP GC-103 Clinical Pharmacotherapy I	Credit hours (3+0)
The course aims to provide students with the knowledge and skills in pharmacotherapy, drug interactions dose adjustment of some disorders and contraindications. This course will focus on cardiovascular disorders (hypertension, heart failure, ischemic heart disease, arrhythmia), endocrine disorders (thyroid disorders, pituitary glands disorders, diabetes mellitus, diabetes insipidus,...) and renal disorders (acute kidney injury (AKI), chronic kidney disease (CKD), fluids and electrolytes disturbances,...).	
PDCP GC-104 Clinical Pharmacotherapy II	Credit hours (2+0)
The course aims to provide students with the knowledge and skills in pharmacotherapy, drug interactions dose adjustment of some disorders and contraindications. This course will focus on gastrointestinal tract disorders (gastroesophageal reflux disease, peptic ulcer, inflammatory bowel disease, liver diseases; nausea and vomiting, diarrhea, constipation,...) and respiratory disorders (allergic rhinitis, asthma, chronic obstructive pulmonary disease, cystic fibrosis).	
PDCP GC-105 Clinical Pharmacotherapy III	Credit hours (2+0)
The course reviews foundational clinical knowledge necessary to use antimicrobials wisely and how to incorporate this knowledge into the management of patients with common infections. This course will also provide a framework for approaching each clinical encounter from the perspective of combating antimicrobial resistance. This course also aims to evaluate modern immunotherapy and the future perspective of immune modulation.	

PDCP GC-106 Laboratory Data Interpretation Credit hours (1+0)

The course aims to provide the students with information obtained from laboratory investigations. How to interpret it, and how to deduce the necessary laboratory data to determine the best drug regimen for the patient, dose adjustment, drug interaction or complications associated with drug therapy. The course covers different laboratory tests of various clinical cases, interpretation, and information derived from the analysis. Common tests include liver function tests, renal function, pulmonary function, urine analysis, hormones, sensitivity tests, clinical microbiology, immunological and hematological tests, and others.

PDCP GC-107 Drug information and evidence-based medicine Credit hours (1+1)

This course focuses on discussing types of internet and electronic resources in addition to the information retrieval and evaluation. This course also aims at introducing the concept and principles of evidence-based medicine and at developing the knowledge and skills necessary for using scientific evidence in clinical decision-making. It focuses mainly on the analysis and application of descriptive, relational, and qualitative research evidence and the critical analysis of research on intervention effectiveness. Students will examine issues of internal, external, and statistical validity as they relate to the appropriate use of evidence for clinical decision-making.

Second Semester

الفصل الدراسي الثاني

Graduation Project in Specialty

مشروع التخرج في التخصص

PDCP SC-110 Graduation Project Credit hours (2+0)

The course aims to develop skills in writing project in specific field of clinical pharmacy.

- The course covers how to describe published papers and cases accurately and document findings.
- How to write abstract, introduction, review of literature, discuss different points of views, conclusion and how to cite the references.
- Project subjects should be relevant to the clinical pharmacy specialization.
- A final research project is required from all students to be prepared, discussed, and defended
- Project seminar should be provided in a scientific manner.