



## **Pharmacy Regulations and Ethics**

**Subject: Pharmacy Regulations and Ethics**

**Code number:1702578**

**Credit hours:2 Hours**

**Course designation: 5th year/first semester**

**Department: clinical Pharmaceutical**

### **Course syllabus:**

An Introduction about the pharmaceutical legislation in Jordan  
Medicine and pharmacy Law

The Amended Regulations of the Accreditation Regulations of manufacturing sites: Re-evaluation, and Canceling the Accreditation rules of the year 2001

The Amended Regulations of the Importation and use of Medical Supplies, including:  
Antiseptics and Disinfectants of the year 2011

The Amended Regulations of pharmaceutical Registration, serums, vaccines and Biological  
Materials

Regulations of Herbal Preparations and Natural



## **Advanced Industrial Pharmacy**

**Subject:** Advanced Industrial Pharmacy

**Code number:** 1701575

**Credit hours:** 3 Hours

**Course designation:** 5th year/second semester

**Department:** Pharmaceutics and Pharmaceutical Technology

### **Course syllabus:**

The course covers some important unit operations used in Pharmaceutical technology and drug manufacturing e.g., size analysis, size reduction, mixing, powder flow, drying, filtration and centrifugation



## **Drug delivery systems**

**Subject:** Drug delivery systems

**Code number:** 1701581

**Credit hours:** 3 Hours

**Course designation:** 5th year/first semester

**Department:** Pharmaceutics and Pharmaceutical Technology

### **Course syllabus:**

The course covers aspects of preformulation and polymeric systems, carrier-based delivery systems, targeting, protein delivery and gene delivery.



## **Pharmaceutical Quality Control**

**Subject:** Pharmaceutical Quality Control

**Code number:** 1701583

**Credit hours:** 3 Hours

**Course designation:** 5th year/first semester

**Department:** Pharmaceutics and Pharmaceutical Technology

### **Course syllabus:**

The course covers some important topics in pharmaceutical quality control and be familiar with good manufacturing practice regulations and quality assurance. The course will also present some important issue in industry like inspection and documentation. In addition the different quality control tests of different pharmaceutical dosage forms.



## **Pharmaceutical Regulatory Affairs**

**Subject:** Pharmaceutical Regulatory Affairs

**Code number:** 1702576

**Credit hours:** 3 Hours

**Course designation:** 5th year/first semester

**Department:** clinical Pharmaceutical

### **Course syllabus:**

Examines every step of the drug development and regulatory process; from preclinical testing through post-marketing adverse effect reporting. Considers FDA standards for nonclinical testing, quality assurance issues and good laboratory practices, Investigational New Drugs (IND), New Drug Application (NDA) and review process initiatives designed to speed drug review, and the Prescription Drug User Fee Act (PDUFA).



## **Epidemiology**

**Subject:** Epidemiology

**Code number:** 1702595

**Credit hours:**3 Hours

**Course designation:** 5th year/**first semester**

**Department:** clinical Pharmaceutical

### **Course syllabus:**

The course covers topics such as principles of epidemiology, communicable diseases, vaccination, immunobiologic agents, non-infectious diseases, nosocomial infections and family health.



## **Pharmaceutical marketing and management**

**Subject:** Pharmaceutical marketing and management

**Code number:** 1702474

**Credit hours:** 3 Hours

**Course designation:** 5th year/second semester

**Department:** clinical Pharmaceutical

### **Course syllabus:**

The course is composed of marketing concepts which the students are to fully understand. The course is designed to teach pharmacy students the principles of marketing and their applications in a pharmaceutical context, students are expected to apply the studied concepts over a major presentation



## **Pharmacoeconomics**

**Subject:** Pharmacoeconomics

**Code number:** 1702468

**Credit hours:** 2 Hours

**Course designation:** 5th year/first semester

**Department:** clinical Pharmaceutical

### **Course syllabus:**

Introduction to the principles and tools of pharmacoeconomics and outcomes assessment that are commonly used to study the impact of pharmaceutical care services on the health and health care of a patient or community





## **Technical writing**

**Subject:** Technical writing

**Code number:** 1702474

**Credit hours:** 1 Hours

**Course designation:** 5th year/second semester

**Department:** clinical Pharmaceutical

### **Course syllabus:**

This course introduces techniques and knowledge needed to develop the necessary technical writing and communication skills. Topics covered: different basics of planning and producing documents, document types such as: project Report, Research Projects, meeting's minutes, presentation and briefings and others. Design and presentation techniques, elements of technical documents including: words, sentence structure, citing sources and listing references



## Medicinal Chemistry 3

**Subject:** Medicinal Chemistry 3

**Code number:** 1703592

**Credit hours:** 3 Hours

**Course designation:** 5th year/first semester

**Department:** chemical Pharmaceutical

### Course syllabus:

Course Description:

This course covers different drug classes including antibacterial, antiviral, antineoplastic, steroids and hormones. For each drug class mentioned, drug-target, chemical structure and properties, structure-activity relationships, metabolism, and therapeutic uses are discussed

Course Objectives

- Recognize the drugs affecting different targets or receptors.
- Identify the categories of certain classes of drugs and their effects.
- Apply the knowledge from prerequisite courses.



- Recognize the relation between molecules for design of certain synthetic leads.