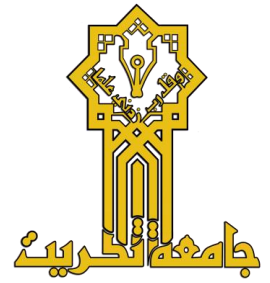




Tikrit University

College of Pharmacy



Summer Training Program Specification

The student should spend 100 hours in the summer vacation at the end of the third academic year and another 100 hours in the summer vacation of the fourth year training in a community pharmacy applying principles of community pharmacy as well as clinical pharmacy as a prerequisite for graduation.

Aim of the Program:

To provide students with knowledge, skills and abilities required to practice the pharmacy profession effectively and successfully before graduation.

General Instructions

1. The summer training program includes students of the **third stage who move to the fourth stage** and **fourth stage students who move to the fifth stage** next academic year.
2. The summer training period is **two months** (from 1st July until 31st August).
3. Training should be carried out in **community (private) pharmacies** only and a **professional pharmacist** should be present in the pharmacy all the training times.
4. All students must be presented in the community (private) pharmacies **four days a week** for at least **three hours a day**.
5. More than **three students** are **not permitted** to be present in the same pharmacy during training.

Requirements for Third Stage Students Who Move To the Fourth Stage:

1. Classification of drugs in pharmacies by categories of medical use and drug classification for each system of the body.
2. Classification of drugs to OTC and POM and how to dispense them.
3. The main indications of the most common drugs.
4. The most common brand names and scientific names of drugs.

5. Different pharmaceutical dosage forms for each drug suitable for each case.
6. Preparation of various extemporaneous preparations and compound mixtures.
7. Understanding the medical prescription and interpretation of its symbols

Requirements for Fourth Stage Students Who Move To the Fifth Stage:

In addition to the requirements of the previous stage:

1. Pharmaceutical concentrations and strengths available for the most common pharmaceutical products.
2. Practical recommendations and advices for the patient while giving treatment.
3. Expected side effects of the most common drugs and how to control them.
4. Expected drug-drug and drug-food interactions and how to deal with them.
5. Use of medications during pregnancy and breastfeeding.
6. Listing different abused drugs and the regulation regarding their dispensing and usage.
7. Diagnosing the most common errors in medical prescriptions.
8. Patient education on safe use of medicines, measures for prevention of disease, health promotion, and proper disposal of used medical devices.
9. Intravenous fluids, types, uses, and how to calculate their doses.

Student Assessment Methods:

⇒ Training report

Each student will have to write a report related to the work experience obtained from his/her training to be submitted to the summer training committee at the end of the training program. Report should be written with Microsoft word 2010 or newer version (hand written is forbidden).

This report should include the following:

- Complete information regarding five different unusual and unexpected cases presented in the pharmacy and how they were handled in details (including chief complain, clear medical and medication history, etc.).
- Complete information regarding five different laboratory tests, their name, intended uses, and principle of test.

- Listing of at least five different and new ideas or information that were acquired during the training.

The topic of the report should be:

A report on a project undertaken during the summer training

⇒ **Training exam**

The student will have a written paper-based exam related to the work experience obtained from his/her training in the community pharmacy at the beginning of the next academic year. In addition to this exam, student will also have a multiple internet-based exams during training period. Student must pass these exams successfully otherwise his/her graduation will be postponed until he/she passes these exams successfully next times.

References Required for Teaching and Learning:

1. Dhia Jabbar Kadhim. Summer Training Guide For Third Stage Pharmacy Students. College of Pharmacy – University of Baghdad, 2018
2. Dhia Jabbar Kadhim. Summer Training Guide For Fourth Stage Pharmacy Students. College of Pharmacy – University of Baghdad, 2018
3. Alison Blenkinsopp, Paul Paxton and John Blenkinsopp. Symptoms in the Pharmacy A Guide to the Management of Common Illnesses. Seventh edition, United Kingdom, John Wiley & Sons Ltd, 2014.
4. Paul Rutter. Community Pharmacy Symptoms, Diagnosis and Treatment. Fourth edition, Toronto, Canada, Elsevier Ltd, 2017.

Summer Training Committee
College of Pharmacy - Tikrit University