

Summer Training

Program (s) on which the summer training is given:	Bachelor of Pharmaceutical Sciences and Pharmaceutical Industries
Department offering the program:	All Faculty Departments
Academic year:	2014/2015
Approval Date:	September 2014

A. Basic Information

Areas for training:

Areas of training include community pharmacies, pharmaceutical companies and Industries, hospital pharmacies, research institutes and universities, drug information centers and poison information centers.

According to the bylaws and regulations for undergraduate studies for the faculty of pharmaceutical Sciences and Pharmaceutical Industries, every student is required to undertake summer training in one or more pharmaceutical establishment.

Duration of Training:

Not less than 300 hours during the summer vacation preceding the 4th, 5th or following 5th year of study

B. Professional Information

1. Overall Aim of Course

The summer training program is designed to introduce students to the professional practice of pharmacy at the onset of their pharmacy education and to provide opportunities for students to practice what they learn in real-life environments.

2. Intended Learning Outcomes (ILOs)

By the end of the summer training, the student should be able to:

a- Knowledge and Understanding:

- a1. Apply the basic primary concepts of community pharmacy and pharmaceutical care, maintaining public awareness on rational use of drugs.
- a2. Apply the basic primary concepts of manufacturing in pharmaceutical industry.
- a3. Apply the basic primary concepts in qualitative and quantitative analysis.

b- Intellectual Skills:

- b1. Select appropriate methodologies to design and conduct researches.
- b2. Compute proper doses for patients.

c-Professional and Practical Skills:

- c1. Provide both in-patient and out-patient services.
- c2. Employ proper documentation and drug filing systems.
- c3. Develop financial, sales and market management skills.
- c4. Perform various qualitative and quantitative analytical techniques and fulfil criteria of GLP and GMP to assure the quality of raw materials, procedures and pharmaceutical products (Pharmaceutical companies).
- c5. Operate different pharmaceutical equipment and instruments.
- c6. Practice how to formulate pharmaceutical products from different sources.
- c7. Apply rules of good storage to store pharmaceutical preparations applying adequate conditions.

d- General and Transferable Skills:

- d1. Counsel patients about the use and misuse of pharmaceutical products.
- d2. Perform duties in compliance with professional rules in a legal and ethical framework.
- d3. Communicate effectively with patients as well as public and health care professionals.
- d4. Communicate effectively with others in different practicing fields.
- d5. Work effectively in a team.
- d6. Use the library resources and the online resources to gain drug information.

3. Student Assessment Methods

The Faculty Council nominates the pharmaceutical establishments where the students are required to undertake training in, as well as the staff members responsible for supervising this summer training. The student has to report to the Faculty Registrar in case his/her training is temporarily suspended or terminated.

- 3.1. Continuous monitoring of the student during the training period by the assigned training place.
- 3.2. Written report by student to assess knowledge and intellectual skills that the student has gained in the area of training.
- 3.3. Discussion of the student in the written report to assure the understanding and knowledge of the students of all aspects related to the research.
- 3.4. Certificate from the place of training indicating the duration and the commitment of the student during training.
- 3.5. A filled rubric determining the level of the students regarding the gained skills.
- 3.6. A log book of attendance showing the coverage of at least 300 hours of training.



4. Assessment Schedule

Assessment 1 During- training follow-up.

Assessment 2 Final certificate, filled rubric, log book, and research report after the completion of the training period.

The student is not awarded the Bachelor degree in Pharmaceutical Sciences unless he/she submits a certificate signed from the manager of the pharmaceutical establishment to verify that his/her training has been satisfactory. This certificate has to be approved from the Faculty Council according to the report provided by the supervisors.

Summer Training Coordinator for Industrial Pharmacy Training:

Prof. Dr. Adel Sakr

Summer Training Coordinator for Clinical Pharmacy Training:

Prof. Dr. Ebtissam Abdel Ghaffar Darwish

Approval Date: September 2014