Philadelphia University
Faculty of Science
Department of Biotechnology and Genetic Engineering
First semester, 2008/2009
Course Syllabus

Course Title: Field training	**Course code:** 240399 & 240494
Course Level: 4th year	**Course prerequisite (s) and/or corequisite (s):** The student should pass 100 credit hours of his curriculum before enrolling in the course
Lecture Time: Training off-campus	**Credit hours**: 3 hours

Academic Staff Specifics

Name	Rank	Office Number and Location	Office Hours	E-mail Address
Dr. Lolita Qouta	Assistant professor	Faculty of science room 816	11-12 Sunday, Tuesday & Thursday	lqouta@philadelphia.edu.jo

Course module description:

This module applies only on the students registered for this fall 2008/2009 semester. In This module, students are expected to do 100 hours of practical field training at an off-campus site prior to graduation. The training must be related to any of the fields of biotechnology. During this training, the students will have the opportunity to apply the knowledge gained at the classroom to a practical experience. Training is designed to prepare students for both academic achievement and successful employment in the applied fields of biotechnology. Through the training period, the students are requested to be sincere and self-motivated, thoroughly committed to the goals and objectives of this training, and respectful of the ethical issues related to dealing with colleagues, trainers and costumers. Students must consult with the course coordinator before registering the module.

Course module objectives:

Upon the completion of this field training, the students are expected to

1- Be exposed to the applied fields of biotechnology, Impart knowledge and develop skills in some of the techniques commonly used in biochemistry, molecular biology and biotechnology laboratory.

2- Be able to discuss issues, and address questions relevant to typical responsibilities of professionals in the field.

3- Formulate and facilitate their decision regarding a potential career choice and confidently deal with job applications and interview skills

Learning outcomes:

Upon the completion of this program a student will be able to:

- Complete, independently, basic laboratory tasks common to Biotechnology such as documentation, buffer preparation, dilutions, and gel electrophoresis.
- Define and explain the basic principles, concepts, and the techniques of Biotechnology.
- Be technically prepared for employment and/or postgraduate studies.
- Keeping in mind the interdisciplinary nature of biotechnology, students should develop excellent written and verbal communication skills. Students will have the mental flexibility to pick up and incorporate different approaches to analyze and solve problems

Assessment instruments

Each trainee will be asked to submit a statement written by the trainer verifying the learnt techniques, beginning and ending dates and the number of work hours. The trainee will give a short presentation (10 minutes) describing his/her training program including its location, the name and address of the trainer and the types of assignments that have been given to him/her. The trainee is encouraged to list the advantages of his training along with the disappointments if there is(are) any, and his/her recommendations for his/her following colleagues.