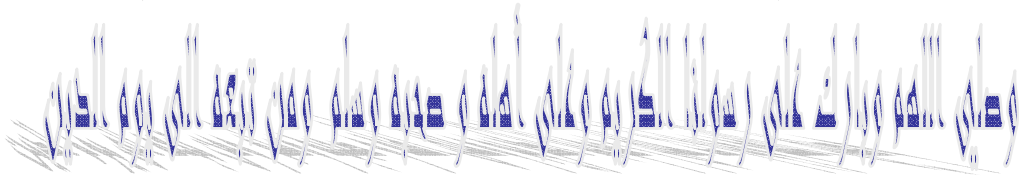


بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



## **COURSE OBJECTIVES**

***Prepared by Dr. Hamida Darwish***

University is committed to providing a safe laboratory environment for its faculty, staff, students and visitors. The goal of the University Laboratory Safety Program is to minimize the risk of injury or illness to laboratory workers by ensuring that they have the training, information, support and equipment needed to work safely in the laboratory.

### **Introduction:**

The purposes and benefits of this course is to make the students take care of themselves and pay attention during the laboratory time from the danger that can be introduced or associated with some experiments prepared. First, when they do not know how to deal with the devices and equipment inside the physics lab they can harm themselves, their, colleagues or damage the devices or the lab. Second, they have to learn the safe ways and precautions and their procedures. So they must know everything and functions of that equipment, devices and the right ways to handle, deal and use these tools and devices during the experimental work. Particularly the electricity, radiations and optoelectronics sources, such as electricity sources, all radiations types: X-ray, and  $\gamma, \beta$  &  $\alpha$  radiations, in order to be in a safe way beyond any dangers and avoid damaging the lab or the tools. Nowadays the universities, have had to create formal safety program, and usually, internal safety organization to comply with the regulations. The important things of these regulations are recognizing the value to themselves and their employees of keeping employees safe and well strongly.