**Laboratory Safety**

**Course Objectives:**

* Describe WHMIS regulations.
* Describe Occupational Health and Safety regulations.
* Describe Transport of Dangerous Goods legislation
* Describe the correct use of personal protective equipment.
* Describe how to use fume hoods and safety shields.
* Explain how to use an eyewash/shower to wash away chemicals.
* Describe the use of firefighting equipment
* Identify safety methods in handling, storage, and disposal of chemicals.
* Describe monitoring procedures used to inspect chemicals in laboratory and storage areas.
* Identify types of chemical reaction hazards & describe hazardous material assessment procedures.
* Identify chemical hazards in the workplace & explain safety measures to prevent hazards.
* Describe common causes of accidents in the laboratory & identify common laboratory toxicological symptoms.
* Describe how to minimize accidents and safety & related incidents in the laboratory.
* Describe methods of response to accidents and chemical hazards
* Describe laboratory evacuation procedures used under the conditions of fire, chemical spills and toxic fumes.
* Explain the purpose of documenting accidents and safety related incidents.
* Describe how to write an accident/incident report.

**Course Outlines:**

* Describe the regulations regarding hazardous substances; Describe safety equipment required in the workplace; explain the elements of safe handling and disposal of chemicals; Describe control hazards associated with chemical reactions; Identify common accidents and potential safety hazards; Describe appropriate responses to hazardous situations.; Relate documentation required for reporting accidents and safety related incidents.
* Keep accurate records of laboratory activities; Display effective teamwork skills.

**Laboratory Safety**

**Who Should Attend?**

Operators, Supervisors, Technologist & Technicians who work in chemical industries such as manufacturing, processing, assembling, quality assurance and inspection, operators, materials testing, and maintenance.

**Duration:** 5 Days

**For more information:**

Industrial Relations- Special Programs Unit:

Tel.: +966 (013) 340-2011 / (013) 340-2140

Fax : +966 (013) 340-2060

Email: [specialprograms@jic.edu.sa](mailto:specialprograms@jic.edu.sa)