



## COURSE SPECIFICATION

Faculty of Medicine- Mansoura University

### (A) Administrative information

(1) Program offering the course.	<b>Postgraduate Master Degree in Clinical Pathology-CPATH 530</b>
(2) Department offering the program	<b>Clinical Pathology</b>
(3) Department responsible for teaching the course.	<b>Clinical Pathology</b>
(4) Part of the program	<b>Second Part (elective)</b>
(5) Date of approval by the Department's council	<b>16/5/2016</b>
(6) Date of last approval of program specification by Faculty council	<b>9/8/2016</b>
(7) Course title	<b>Laboratory Safety</b>
(8) Course code	<b>CPATH 530 LS</b>
(9) Credit hours	<b>1</b>
(10) Total teaching hours.	<b>15</b>



## **(B) Professional information**

### **(1) Course Aims:**

The broad aims of the course are as follows: (either to be written in items or as a paragraph)

#### **The overall aim of the course is to:**

Provide the student with the essential guidelines and attitudes for safe laboratory practice

On successful completion of the course, the candidate will be able to:

#### **A- Knowledge and Understanding**

**A1-Identify hazards related to handling chemicals, biologic specimens and radiologic materials**

**A2-Describe steps used as precautionary measures when working with electrical equipment, compressed gases, cryogenic materials and avoiding mechanical hazards associated with laboratory equipment**

**A3- Discuss safety awareness for clinical laboratory personnel**

**A4-List the responsibilities of employer and employee in providing a safe workplace**

#### **B- Intellectual skills**

**B1- Differentiate between different types of biologic safety cabinets**

**B2- Distinguish different classes of fires**

**B3- Use appropriate personal protective equipment when working in the clinical laboratory**

**B4- Apply safety guidelines in laboratory practice**

(3) Course content:

Subjects	Lectures	Clinical	Laboratory	Field	Total Teaching Hour
General Safety Precautions	1				1
Safety guidelines and responsibility	1				1
Biologic safety	1				1
Chemical safety	1				1
Radiation safety	1				1
Fire safety	1				1
Electrical hazards	1				1
Compressed gas hazards	1				1
Cryogenic material hazards	1				1
Mechanical hazards	1				1
Chemical waste	1				1
Radioactive waste	1				1
Biohazardous waste	1				1
Accident documentation and investigation	2				2

(4) Teaching methods:

4.1: Lectures

4.2: Self-learning

4.3: Student teaching

(5) Assessment methods:

5.1: Written exam for assessment of knowledge & intellectual skills.

5.2: Oral exam for assessment of knowledge & intellectual skills.

5.3: MCQ continuous assessment at the end of each semester.

Percentage of each Assessment to the total mark.

Written exam. 60% ( 36 marks)

Oral exam. 25% (15 marks)

MCQ exam. 15% ( 9 marks)

Total. 100% ( 60 marks)

(6) References of the course.

6.1: Text books: Clinical chemistry: Principles, procedures , correlations

6.2: Journals: American Society of Microbiology

Course coordinator: Prof. Tarek Selim

Head of the department: Prof. Osama Elbaz