

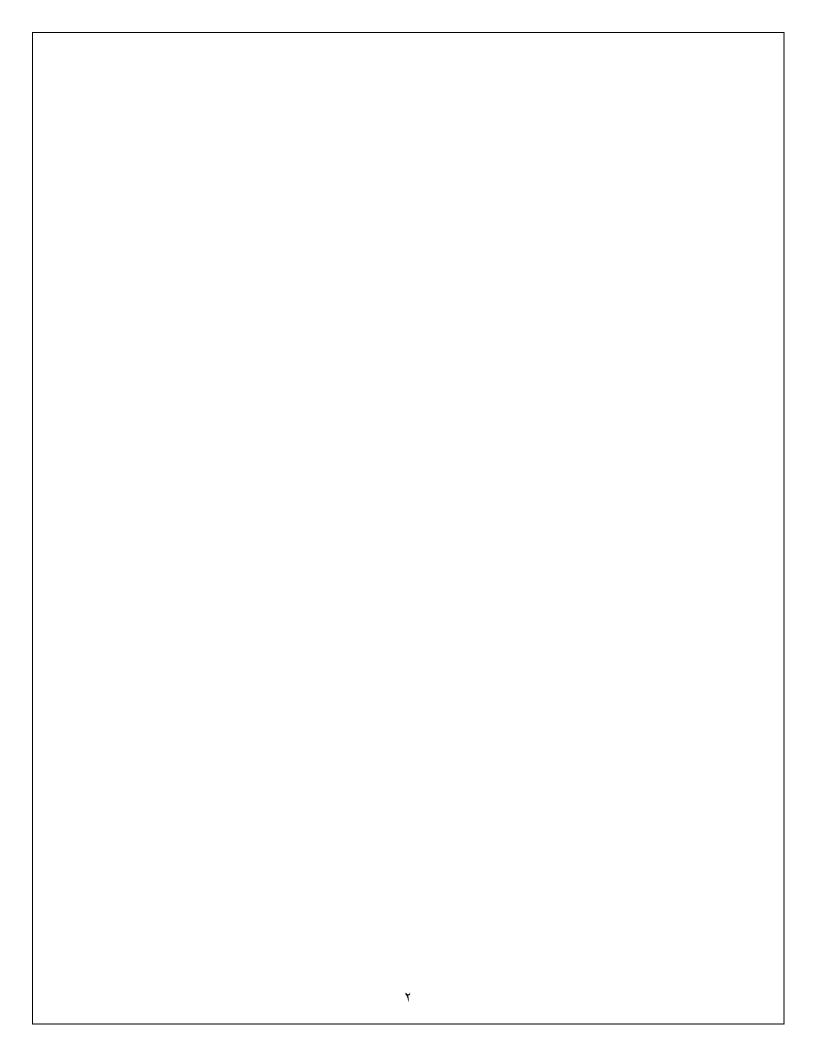


COURSE SPECIFICATION

Faculty of Medicine- Mansoura University

(A) Administrative information

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



(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