



Quality Assurance Unit



**Tanta University
Faculty of Medicine**

**Department of Forensic Medicine and Clinical
Toxicology**

Course Specifications

**Master of Science in Forensic
Medicine and Clinical
toxicology (FMC T800)**

2013-2014

Internal medicine course

1- Overall Course Aims

To provide the students with clinical knowledge, skills and attitudes in **Internal medicine** that qualifies him to provide optimum medical care for toxic exposure emergencies.

2 – Intended learning outcomes (ILOs):

a-knowledge and understanding:

By the end of the course the candidate will be able to:

a.1- discuss the theories and principles, and updates about (toxins and management of poisoning including addiction and different methods of toxins detection).

a.2- identify the principles of quality assurance in medical practice

a.3- discuss the effect of medical practice on surrounding environment, and how to develop and protect environment (current toxicities in Egypt and worldwide, syringe disposal, tissue and blood specimen transport ...etc)

b. Intellectual skills:

By the end of the course the candidate will be able to:

b.1- analyze medical information related acute and chronic poisoning including addiction.

b.2- interpret medical problem related to clinical toxicology (Response urgently for first aid and management of critical toxicities, Decide correctly patient disposition, Recognize the suspected poisons for starting the toxicology screening).

b.3- demonstrate risks in medical practice (nosocomial infections, care for infectious cases...etc).

b.4- organize professional medical discussions according to different situations when facing medical problem (during clinical training course).

b.5- prepare solutions to medical problems in his specialty (suggest innovative scenarios for controlling particular toxicities , reduce epidemic poisonings...etc).

b.6- organize medical issues on evidence based manner.

c. Professional and practical skills:

By the end of the course the candidate will be able to:

C.1- revise first aid and CPR for poisoned patient cleverly.

C.2- Classify clinical data in professional sheet and treat acute and chronic toxicities including drugs abuse (addiction).

c.3- Select medical, analytical methods and tools used in his specialty and share in its development and progress.

d. General and transferable skills:

By the end of the course the candidate will be able to:

d.1-Communicate effectively with the patients and their relatives, transferring them information about illness in clear and suitable words.

d.2- Use specified topics on the library books, medical journals, and internet(eg assignments, journal club).

d.3- Manage time and practice team working.

d.4- Apply team working ,and lead a team in medical care application to the patients.

3-Course contents

<u>Topic</u>	NO.of hrs.		
	Lectures	Practical and clinical	Total
1- Initial evaluation of the patient, vital signs.	1	3	2.5
2- Evidence based clinical criteria for ICU admission.	1	2	2
3- Fluid, electrolytes and acid base principles.	1	3	2.5
4- Thermoregulatory principles with management of of hypo and hyperthermia.	1	2	2
5- Neurologic principles (management of comatosed patients).	1	2	2
6- Respiratory principles (blood gas analysis, use of co-oximeter, different therapeutic options).	1	2	2
7- Electrocardiographic principles.	1	3	2.5
8-Haemodynamic principles (blood pressure abnormalities, management of shock, hypotension and hypertension).	1	2	2
9-Evaluation and general care of hepatic patients.	1	1	1.5
10- Evaluation and general care of renal patients.	1	1	1.5
11- Principles of managment of diabetic patients.	1	1	1.5
	11	22	22

