



**Quality Assurance Unit**



**Tanta University  
Faculty of Medicine**

**Department of Forensic Medicine and  
Clinical Toxicology**

**Course Specifications**

**Internal medicine course for  
Forensic Medicine and Clinical  
Toxicology Master Degree  
(FMCT 8001)**

**2014-2015**

University: Tanta Faculty: Medicine Department: Forensic Medicine and Clinical Toxicology

## **1) administrative Information**

**1- Course title: Internal medicine course for Forensic Medicine and Clinical Toxicology Master Degree**

**2- Department offering the program: Forensic Medicine and Clinical Toxicology Department.**

**3- Department responsible for the course: Internal medicine Department.**

**4- Course code: FMCT 8001**

**5- Level: first part**

**6- No. of Credit / taught hours: 3**

**Lectures: 1 credit, 11 taught hours      Practical: 1 credit, 22 taught**

**Total: 33/55 credit hours/actual hours**

**7- Authorization date of course specification: -2-2014**

## **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):**

### **Knowledge and understanding:**

*By the end of the course, student should be able to:*

- a.1- discuss the principles , and updates about (fluid and electrolyte balance).
- a.2- identify the cardiovascular problems that may affect poisoned patients.
- a.3- discuss the respiratory problems that might be found in a poisoned patient.
- a.4- identify the hepatic, renal problems that might be discovered in a poisoned patient.

### **b- Intellectual skills:**

*By the end of the course, student should be able to:*

- b.1- analyze medical problems in relation to toxicology.
- b.2- interpret medical problem related to fluid and electrolyte imbalance to be able to give good medical care in toxicological cases.
- 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 relation to toxicology.

**c- Professional & practical skills**

- C.1- good clinical assessment of vital signs in poisoned patient.
- C.2- Classify clinical data in professional sheet and provide good clinical care to medical problems in poisoned patients.
- c.3- recognize clinical criteria for ICU admission.
- c.4- management of diabetic patients.

**d-General transferable skills:**

*By the end of the course, student should 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).
- 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**

Internal medicine course	lectures' credit hours	Practical/clinical 's credit hours	Total credit hours
1- Initial evaluation of the patient, vital signs.	1	3	4
2- Evidence based clinical criteria for ICU admission.	1	3	3
3- Fluid, electrolytes and acid base principles.	2	3	4
4- Thermoregulatory principles with management of of hypo and hyperthermia.	1	3	3
5- Neurologic principles (management of comatosed patients).	1	3	3
6- Respiratory principles (blood gas analysis, use of co-oximeter, different therapeutic options).	2	3	3
7- Electrocardiographic principles.	1	3	4
8-Haemodynamic principles (blood pressure abnormalities, management of shock,	2	3	3

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hypotension and hypertension).			
9-Evaluation and general care of hepatic patients.	1	2	2
10- Evaluation and general care of renal patients.	1	2	2
11- Principles of management of diabetic patients.	2	2	2
	15	30	45

#### 4) Teaching and learning methods

Lectures, seminars, journal clubs, bed side teaching, case presentation, assignments, conference participation observation and hands on practice

#### 5) Student Assessment

At the end of each semester:

1. Log book: at least 75% of attendance.
2. End of semester exam: at least C+ is required.

At the end of the first part:

1. Written.. to assess (a1,a2,a3,b1)
2. Oral .to assess (b2,b3,b4,b5, c1, c2, d2)
3. Clinical .to assess (b2,b3,b4,c1,c2,c3,d1, d3,d4)

#### 6) Weighing of assessments

Written examination	45 degrees
Clinical examination:	10 degrees
Oral examination:	20 degrees
Semester work	Formative only
Periodical examination	Formative only
Total	75 degrees

#### 7) List of references:

Text books

Periodicals and web sites

Lectures' notes

**8) Other resources/ facilities required for teaching and learning to achieve the above ILOs**

**9) We certify that all of the information required to deliver this course is contained in the above specifications and will be implemented**

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We verify that the above course and the analysis of students and external evaluator opinions are accurate.

Course coordinator and head of department

name.....signature.....Date.....

Head of quality assurance unit:

name.....signature.....Date.....