Quality Assurance Unit

Tanta University
Faculty of Medicine

Department of Forensic Medicine and Clinical Toxicology

Course Specifications

Forensic medicine for Forensic medicine Clinical toxicology

Master Degree

FMCT 8006

2014-2015

Forensic medicine for Forensic medicine Clinical toxicology Master Degree Course Specifications

University: T anta Faculty: Medicine Department: Forensic Medicine and Clinical Toxicology

1) Administrative Information

Course title: Forensic Medicine **Code:** FMCT 8006

1. **Department offering the course: Forensic Medicine & Clinical Toxicology Department**
2. **Program on which this course is given: Master degree**
3. **Departments offering the program: Forensic Medicine & Clinical Toxicology Department**
4. **Academic year/ Level : 2014- 2015** **Level: second part**
5. **Authorization date of course specification:**
6. **Credit hours: 6**

Lectures: 2credit hrs Practical& clinical: 2 credit hrs seminars: 2 credit hrs

2) Professional Information

1 – Overall Course aims

To Provide basic background of different medico-legal aspects of living and dead individuals and remains or parts of dead bodies, Provide basic knowledge of medical ethics and malpractice and Provide ability to deal with samples either at scene of crime or toxicology samples.

2 – Intended learning outcomes (ILOs):

a-Knowledge and understanding:

By the end of the course the graduate should be able to:

a.1- Discuss the theories and principles , and updates about different medico-legal aspects of living and dead individuals regarding personal identification, diagnosis of death, causes and manner of death, postmortem changes and differentiation between types of wounds and patterns in different areas and their complications**.**

a.2-identify drug abuse, forensic aspects of drug deaths, alcohol, carbon monoxide, corrosive & metallic poisons.

b- Intellectual skills

By the end of the course the graduate should be able to:

b.1- Analyze case scenario of clinical forensic medicine and recognize their medico-legal aspects.

b.2- Analyze different problems of malpractice in accordance to Egyptian legislation and law and role of physicians and/or surgeons to save the rights of the patients assaulted.

c- Professional &practical skills

c.l- assess Identity of living and dead individuals
c.2- assess Diagnosis of death by different clinical and investigatory methods
c.3- estimate time of death through assessment of post mortem changes and interval.
c.4- analyze different causes, mechanisms and manners of death.
c.5-Examine different wounds and injuries and write a proper primary wound report.
c.6- select preliminary tests for blood grouping.

d- General transferable skills

d.l-apply the legal aspects and moral commitments of medical practice
d.2-solve problems with cases (live or dead).
d.3- communicate with his staff and colleagues to be one of a teamwork

3) **Course contents:**

Topic	No. of credit hours for lectures	Practical Hours	Total credit hours
1- Crime scene investigations [physical evidences (types, search, collection, packingzw, documentation &preservation, analysis);	4	4	8
2- chain of custody; fingerprints; hair& fibers; ballistics; forensic serology (seminal, blood, saliva stains); DNA]	4	4	8
3– Identification [identification of living individual, dead bodies, human remains & skeletal remains; identification in mass disaster; ages of medicolegal importance; forensic dentistry; recent techniques in identification, identity testing]	4	4	8
4- Death, postmortem interval [causes, mechanisms, diagnosis &manner of death; postmortem interval; sudden death; brain death; sudden infant death syndrome]	4	4	8
5– Traumatology [types, mechanisms & characters of wounds; antemortem & postmortem wounds; self inflicted & defense wounds; complications of wounds; explosive injuries; sport injuries; injuries in civil riots;	4	4	8

manner of injuries; report on injuries] ;			
6- regional injuries; transportation injuries; firearm injuries; explosive injuries; sport injuries; injuries in civil riots; manner of injuries; report on injuries]	4	4	8
7– Forensic toxicology [drug abuse & drug deaths; forensic aspects of alcohols, carbon monoxide poisoning, corrosives & metallic poisoning; collection of tissue for analysis & chain of custody]	4	4	8
Total	**28**	**28**	**56**

4) Teaching and learning methods

3.1 Lectures.
3.2 Small group discussions (using role play, models, demonstrations (slides and photographs- Museum specimens and Video films, case study).
3.3 Practical training in the mortuary of Medicolegal administration, Ministry of justice.
3.4 Problem based learning.

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 exam to assess (a1, b1-b2)
2. Practical & clinical exam to assess(c1-c6)
3. Oral exams to assess (b1-b2)
4. Log book activity assignment to assess (d1-d3)

6) Weighing of Student assessment

Written examination	
Clinical examination:	
Oral examination:	
Semester work	Formative only
Periodical examination	Formative only
Total	

7) List of references

8.1 Course notes

- Forensic medicine and clinical toxicology (Department books)
- Museum atlas. - Practical book.
- MCQ Questions and answers and problem solving notes.

8.2 Text books

- Forensic medicine encyclopedia.
- Forensic pathology of De Mayo. - Principles of clinical toxicology.
- Emergency toxicology. - Forensic pathology of B. Knight.

Recommended books Department books.

Periodicals and web sites

www.forensicmed.co.uk/.
www.medlib.med.utah.edu/webpath/.
www.dundee.ac.uk/facmedden/bmsc

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

1-Availability of models for training on life support measures in poisoning.
2-extension of poison control center in emergency hospital to ensure good clinical training of toxicology.
3- Additional: Data show, Computers and lecture rooms.

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

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……