



COURSE SPECIFICATION

(Addiction Elective course of Postgraduate Master & Doctorate degree of Forensic Medicine and Clinical Toxicology) Faculty of Medicine- Mansoura University

(A) Administrative information

(1) Programme offering the course:	Postgraduate Master & Doctorate degree of Forensic Medicine and Clinical Toxicology/ FNST 500& 600.
(2) Department offering the programme	Forensic Medicine and Clinical Toxicology Department
(3) Department responsible for teaching the course:	Forensic Medicine & Clinical Toxicology Department Psychiatric Department Neurology Department
(4) Date of approval by the Department's council	25/7/2016
(5) Date of last approval of programme specification by Faculty council.	9/8/2016
(6) Course title	Addiction Medicine
(7) Course code	FNST 619 AM
(8) Credit hours	1 hour
(9) Total teaching hours	15 hours/15 weeks.

(B) Professional information

(1) Course Overview & Aims:

Overview: Addiction Medicine has been designed to provide advanced graduate education in the addictions, focusing on recent advances in drug use and addiction, and its effective prevention and treatment. Throughout the course, theoretical & clinical advances and evidence will be positioned within the policy development and treatment contexts. Emphasis will be placed upon facilitating the transfer of knowledge and skills to the workplace or individual career aspirations.

Course Aims:

- 1- To provide an excellent clinical learning environment for medical detoxification and related care in addiction diagnosis & treatment.
- 2- To offer Consultations involve addiction treatment, coordination for medical co-morbidities, maintenance therapy initiation, continuation and monitoring, as well as inpatient withdrawal and detoxification management, motivational interviewing, follow-up treatment recommendations.

(2) Intended Learning Outcomes (ILOs):

A- Knowledge and Understanding:

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

- A1.** Explain the biological mechanisms of addiction and their related phenomena to addiction theories & the conceptual accounts of reward and reinforcement.
- A2.** Recognize acute & chronic clinical manifestations of drug abuse.
- A3.** Identify social and cultural aspects related to administrative and preventive measures of substance use disorders (SUDs).
- A4.** Discuss prevention and management strategies and implementation activities for individuals, groups, agencies, programs, and populations, based on assessments, stated objectives, outcome tracking and evaluation.
- A5.** Outline various interventions or therapy approaches, including the use of psychopharmacology, behavioural therapies, cognitive-behavioural therapies; counselling and systems-based therapies or management interventions.

B- Intellectual skills:

B1: review of medical records of previous health care encounters, and interviews of family members and other relevant collaterals to confirm or refute patient self-reports and integrate these records to come to the most accurate diagnosis.

B2: Choose diagnostic instruments that complement the clinical assessment.

B3: Critically evaluate a variety of interventions in the areas of child and adolescent mental health problems and the addictions across this age range.

B4: Assess the risks in dealing with cases of drug addiction and psychiatric disorders of drug abuse and follow physician-patient safety guidelines.

C-Professional/practical skills:

D- Communication & Transferable skills

D1: Retrieve essential and accurate information encompassing the usual medical history, as well as public health data unique to the patient's bio-psycho-social and geographic background, as these relate to patient attitudes, practices and consequences of drug use, as well as relevance to community planning and intervention strategies.

D2: Provide education to patients, their family and appropriate friends about the effect of the substances, treatment options, resources available, and methods for accessing.

D3: Demonstrate compassion, integrity, and respect for all patients' rights and autonomy.

D4: Communicate effectively with patients, families, and the public, across a broad range of socioeconomic and cultural backgrounds.

D5: Communicate effectively with physicians, other health professionals, and health related agencies.

D6: Maintain comprehensive, timely, and legible medical records, if applicable.

D7: Incorporate considerations of cost awareness and risk-benefit analysis in patient and/or population-based care.

(3) Course content:

Course title	Hours/ Lectures	Credit Hours
Module 1: Introduction to Addiction Science and Theory	3	
1. Hypotheses of Addiction (neurobiology & geneticetc.). Organic Basis of Addiction.		
2. Brain systems and Addiction.		
Module 2: Psychopharmacology of Drug Action and Addiction		

1. Drug Targets for Addiction 2. Mechanisms of action of anti-addiction therapy 3. Drug interaction in addiction therapy.		
Module 3: Contemporary Advances in Addiction Research, Policy, Prevention & Practice 1. Research priorities in Addiction Medicine 2. Translational Addiction Medicine.	4	
Module 4: Advanced Addiction Practice 1. Clinical Practical guidelines in addiction 2. Role of the lab in addiction 3. Recent Investigative approaches in addiction. 4. Addiction therapy protocols.	2	
5. Behavioral therapies, cognitive-behavioral therapies; counselling and systems-based therapies. 6. The evidence based applications of alternative therapies. 7. Medicolegal implications in addiction.	6	

(4) Teaching methods:

- 4.1: Lectures, seminars, tutorials, journal clubs, practice supervision groups,**
- 4.2: Clinical placements, field experience , skills practice sessions**
- 4.3: Case-based discussions, small group workshops,**
- 4.4: Small group meetings with individuals in recovery**
- 4.5: Online self-directed learning packages.**

(5) Assessment methods:

Assessment schedule:

5.1: Continuous assessment exam (MCQs): represents 20% of the total marks of the final written exam for assessment of A1-5, B1-4.

5.2: Final written exam for assessment of A1-5, B1-4.

5.3: Oral exam for assessment of B1-4 , C1-5 & D1-7 at the end of semester.

Final exam at the end of fourth semester with total of 100 marks

Percentage of each assessment to the total mark:

Written exam: 60 marks

MCQ exam: 15 marks

Oral exam: 25 marks.

Other assessment without marks: Logbook activities.

(6) References of the course:

Textbooks

- The American Psychiatric Publishing Textbook of substance Abuse Treatment, fifth Edition

Periodicals

- Neurotoxicology
- Neuropsychopharmacology

(7) Facilities and resources mandatory for course completion:

Intranet with a vast learning material

Program specification and handbooks

Candidates logbook

A very rich library and computer laboratories

Clinical cases.

(8) Academic standards:

1- National Institute of Drugs of Abuse

<https://www.drugabuse.gov/nidamed/centers-excellence/curriculum-resources-overview>

2- Substance Abuse and Mental Health Services Administrative Center for Substance Abuse Prevention www.smhasa.gov

3- BESST (Boston University Evidence-based SBIRT Student Training) Project

<http://www.bumc.bu.edu/care/education-and-training-programs/besst-boston-university-evidence-based-sbirt-student-training-project/>

4-Kings college, London; Addiction sciences Master Degree

<http://www.kcl.ac.uk/study/postgraduate/taught-courses/addiction-studies-msc-pg-cert.aspx>

Course coordinators:

Dr.Mohammed Salama

Dr. Yasmin Talab

Course Director: Prof. Dr. Sahar Abdelaziz Eldakroory

Head of the department : Prof. Dr. Sahar Abdelaziz Eldakroory

Signature& Date