



COURSE SPECIFICATION

Faculty of Medicine– Mansoura University

(A) Administrative information

(1) Programme offering the course.	MD of Psychiatry
(2) Department offering the programme.	Psychiatric department
(3) Department responsible for teaching the course.	Psychiatric department
(4) Part of the programme.	First part of MD degree
(5) Date of approval by the Department`s council	21-10-2014
(6) Date of last approval of programme specification by Faculty council	9-8-2016
(7) Course title.	Physiology related to Psychiatry
(8) Course code.	PSYC 603 PSYC 613

(9) Total teaching hours:	15 hours
(10) Total credit hours	1

(B) Professional information

Course Aims.

The broad aims of the course are as follows: (either to be written in items or as a paragraph)

To have a background on physiological bases of behavioural sciences and to apply it in clinical practice.

(2) Intended Learning Outcomes (ILOs):

Intended learning outcomes (ILOs); Are four main categories: knowledge & understanding to be gained, intellectual qualities, professional/practical and transferable skills.

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

A- Knowledge and Understanding

- A1 Recognize the importance Gene environment interaction
- A2 Identify the Higher control of autonomic ,endocrine and immune systems.
- A3 to recognize Human brain receptors
- A4 to recognize Human brain circuits for Executive functions, Higher emotions, Arousal and consciousness, Visual and written language, and Memory
- A5 to Identify different Human chronobiology.
- A6.to Identify different State of the brain activity ;sleep ,brain waves ,epilepsy and psychoses.
- A7 to recognize the autonomic nervous system and adrenal medulla

The Postgraduate Degree provides opportunities for candidates to achieve and demonstrate the following intellectual qualities:

B- Intellectual skills

- B1 Interpret the most important physiological brain functions
- B2 Analyze data, and chose appropriate gene environment interaction.
- B3 interpret Behavioral and motivational mechanisms of the brain

Course content:

Subjects	Lectures	Clinical	Laboratory	Field	Total Teaching Hours
• 1-Gene environment interaction	1				1
• 2-Higher control of autonomic ,endocrine and immune systems.	1				1
a) 3-Human brain receptors.	1				1
a. 4-Signal transduction.)	1				1
5-Human brain circuits for:					
i) Executive functions.	1				1
ii) Higher emotions.	1				1
iii) Arousal and consciousness.	1				1
iv) Visual and written language.	1				1
a) v) Memory .	1				1
a) 6-Human chronobiology.	1				1
b) 7-Behavioral and motivational	2				2

mechanisms of the brain :the limbic system and hypothalamus.					
c) 8- State of the brain activity ;sleep ,brain waves ,epilepsy and psychoses.	2				2
d) 9- The autonomic nervous system and adrenal medulla.	1				1

(3) **Teaching methods:**

- 4.1:
Lectures.....
-
- 4.2: group discussion
- 4.3:
...seminar.....
-
- 4.4:

(4) **Assessment methods:**

- 5.1 MCQ for assessment of aknowledge and intellectual ILOs (20 marks)
- 5.2: written exam..... for assessment of aknowledge and intellectual ILOs (80 marks)

Total Marks 100 marks

Assessment schedule.

(5) References of the course.

6.1: Hand books:...

Mansura University physiology department lectures notes

6.2: Text books:

The Handbook of Psychophysiology, Third Edition

Synopsis of Psychiatry

Shorter Oxford Textbook of Psychiatry

6.3: Journals:.....

6.1: Websites:.....

6.1: Others:.....

(6) Facilities and resources mandatory for course completion.

Lecture room

Data show

Group discussion

Course coordinator: Assoc Prof. Mohamed Adel El-Hadidy

Head of the department: Prof. Wafaa El-Bahaay

Date:

P.S. This specification must be done for each course.