



## COURSE SPECIFICATION

Faculty of Medicine- Mansoura University

### (C) Administrative information

(21) Programme offering the course:	<b>MSC of Neurology &amp; psychological medicine</b>
(22) Department offering the programme:	<b>Psychiatry – Neurology</b>
(23) Department responsible for teaching the course:	Biochemistry department
(24) Part of the programme:	First part
(25) Date of approval by the Department's council	21-9-2014
(26) Date of last approval of programme specification by Faculty council	
(27) Course title:	biochemistry
(28) Course code:	NPSYC 504
(29) Credit hours	1/2credit
(30) Total teaching hours:	7 & half hours lectures

### Professional information

#### Course Aims:

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



- 1-To ensure that graduates are able to have sufficient knowledge about normal psychological functions in human beings with a biochemical background .**
- 2- The graduates will possess sound clinical judgment, requisite skills and a high order of knowledge about the diagnoses, treatment and prevention of all psychiatric disorders built on biochemical basis.**
- 3- Graduates must have a keen awareness of their own strengths and limitations, and recognize the necessity for continuing their own professional development.**

### **(1)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**

**A1Recognize Neurotransmitters ,normal Brain metabolism and chemical structure of Neuropeptides**

**A2 Explain Mechanism of hormonal action**

**A3 Recognize neurochemical basis of Metabolic Neuropathies Duchene disease and Prion disease**

**A4 Recognize neurochemical basis of Neurodegenerative diseases Parkinson's & Alzheimer disease**

**A5 Explain the neurochemical basis of schizophrenia . A6Discuss Protein folding and miss-folding disease.**

#### **B- Intellectual skills**

**B1 Interpret the most important psychological functions and their role in human life with a biochemical background .**

**B2 Analyze data, investigations to reach the diagnosis of disorders of psychological functions considering biochemical basis .**

#### **D- Communication & Transferable skills**



**D1 Communicate effectively with people, families and the public as appropriate across a broad range of socioeconomic and cultural backgrounds.**

**D2 Communicate effectively as a member of a team.**

**D3 Develop a non judgmental attitude towards mental patients with proper understanding of the sources and causes of stigma towards such patients** **Course content** **biochemistry**

Subjects:	Lectures
Neurotransmitters	1/2
Brain metabolism	1
Neuropeptides	1/2
Metabolic Neuropathies	1/2
Duchene disease	1/2
Myopathy	1/2
Prion and Prion disease	1/2
Neurochemistry (schizophrenia)	1/2
Parkinson's & Alzheimer disease	1/2
Neurodegenerative diseases	1/2
Protein folding and miss-folding disease	1/2
Mechanism of hormonal action	1/2
Molecular biology	1

**(4)Teaching methods (biochemistry):**

4.1 :Lectures.....



4.2: Seminars

4.3: Journal clubs & workshops.

4.4: clinical rounds for discussion of clinical cases.

**(6) Assessment methods:**

Assessment schedule: Final Exam total :150

Percentage of each Assessment to the total mark:

Written exam:...72... marks.....

OSCE Clinical exam:..... ..marks .....

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Structured Oral exam:.....60... ..marks

MCQ:.....18 ..marks .....

Other types of assessment:..... %:.....

Other assessment without marks: No

**(4)References of the course:**

6.1: Hand books: Lecture notes in psychology 6.2:

Text books:.

6.3: Journals:

Websites:.....

Others:.....

**Facilities and resources mandatory for course completion:**

i. Lecture hall and data show ii.

Clinical round halls

iii. The library is located on the 4th floor of the Faculty of Medicine,  
Mansoura University.



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iv. International databases are available through the website of the university

Course coordinator: Youmna Sabri

Head of the department: prof. Wafaa Al-Bahei

Date: