PROGRAMME SPECIFICATION

Faculty of Medicine- Mansoura University

(A) Administrative information

(1) Programme Title & Code	Program Specification for Master Degree Neurology & Psychological Medicine NPSYC 513
(2) Final award/degree	Master Degree of Neurology & Psychological Medicine
(3) Department (s)	Psychiatry – Neurology
(4) Coordinator	Hanan Elsayed – Ahmed Hamdy
(5) External evaluator (s)	
(6) Date of approval by the Department`s council	17-5-2016
(7) Date of last approval of programme specification by Faculty council	9-8-2016

(B) Professional information

(1) Programme Aims:

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

1- Provide the knowledge and understanding of social and psychological theories of human development and behavior and the biological basis of mental health functioning and their relationship to mental ill health.

2- Provide the knowledge and concepts leading to competent evidence based mental health practice

3-Give advanced clinical practice skills for proper diagnosis and management of psychiatric patients of different age groups and in different settings

4- Give our candidate the ethical principles and methods of communication related to the practice in the field of psychiatry

5- Provide the candidate with detailed anatomy and physiology of various nervous system structures.

6- Equip students with a deep understanding of disorders of the nervous system

7- To facilitate active learning of the various diseases affecting the nervous system regarding the possible pathophysiology, pathogenesis, clinical presentation, differential diagnosis & investigations.

8- Provide Skills necessary for proper diagnosis and management of patients in the field of neurology including diagnostic, problem solving and decision making.

9- Provide the candidate with professional knowledge of the pathology of neurological diseases.

10- Provide the candidate with knowledge about the principles of Clinical neurophysiology measures like electroencephalogram (EEG), Electromyography (EMG), Nerve Conduction velocity (NCV) and Evoked potentials.

11- Educate the candidate how to integrate the pattern of different clinical neurophysiology measures and the clinical data in order to reach proper diagnosis

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 programme, the candidate will be able to:

A- Knowledge and Understanding

A 1 Discuss the classifications and the biopsychosocial etiology of psychiatric disorders

A 2 Recognize the prevalence, clinical presentation, differential diagnosis, and prognosis of psychiatric disorders

A 3 Recognize the principles and different types of therapies and methods of communication in psychiatric disorders

A 4 Discuss the concept of consultation liaison psychiatry and the Common psychiatric emergencies.

A 5 Describe legal aspects and ethical principle of psychiatric practice

A 6 Discuss the concept of descriptive and dynamic psychopathology

A7. Recognize Detailed anatomy and physiology of various nervous system structures.

A8**.** List various diseases affecting the nervous system.

A9. Recognize tools for diagnosis of various nervous system diseases.

A10. Recognize the Differential diagnosis of different diseases affecting the nervous system.

A11. Identify etiology, pathophysiology, and pathogenesis of various diseases affecting the nervous system.

A12. Identify Principles of electrophysiological studies of nervous system

A13. Discuss Up-to-date management of various nervous system diseases.

B1 Analyze symptoms & signs of psychiatric abnormalities to understand the associated psychological elements and underlying psychopathology

B 2 Analyze the data collected about the patient; (history taking, mental state, medical examination, risk factors and investigations) to extract essential information, formulate, diagnose and provide a differential diagnosis

B 3 Make a management plan based on the available data in each case

B 4 Predict the possible response to treatment intervention and expected future response

B 5 Assess risks and take measures needed to prevent disease and guard against the relapse and improve performance in the field of psychiatry

B6 Criticize appraisal of researches related to psychiatry

B7**.** Interpret data acquired through history taking to reach a provisional diagnosis in neurological disorders

B8. Select from different diagnostic alternatives the one that help reaching a final diagnosis in neurological problems

B9. Identify neurological problems and find solutions.

B10. Differentiate the normal waves, artifacts, epileptiform discharge, and sleep pattern in EEG.

B11. Identify the need of each of the different types of EEG according to the clinical data of each patient.

B12. Create a link between knowledge in pathology and the Professional problems' solving.

C. Professional & Practical Skills:

C1 Prescribe and perform the essential medical and psychological procedures considered for practice.

C2 Develop skills in interviewing and follow up of the patients and communication with the patient's family and other members of health team

C3 Develop skills in different therapeutic tools in neurology and psychiatry

C4 Carry out a professional medical reports.

C5 Provide families and patients with education necessary to understand illness and treatment and obtain informed consent.

C6 improve knowledge, skills, practice performance, and use information technology to optimize patient care as well as evaluation of the feedback

C7**.**Take a thorough neurological history of appropriate depth and details.

C8. Perform a complete and problem focused neurological examination to reach a diagnosis.

C9. Perform different neurophysiological methods (e.g. NCS, EMG, EEG and evoked potentials) and psychometric assessment.

C10. Write the clinical neurophysiology measures report efficiently.

D- Communication & Transferable skills

D 1 Communicate professionally with patients and families to build an effective therapeutic relationship
D 2 Communicate with other health professionals of the same specialty and physicians from different specialties
D 3 Use different sources for information and knowledge.(libraries, online database)`and computer program package
D4 Use information technology, and evidence from scientific studies related to health problems of the patients and time management

(5) Academic standards:

- Academic standards for the programme are attached in Appendix I. in which External reference points/Benchmarks is used (The Royal College of Psychiatrists)

- A comparison of the Academic standards for the programme (ARS) and **NARS** issued by the National Authority for Quality Assurance & Accreditation in Education are used and program ILOs is in Appendix II.

- 3.a- External reference points/benchmarks are selected to confirm the appropriateness of the objectives, ILOs and structure of assessment of the programme: ARS of the program is that of the benchmark

  - Benchmark: MRCPsych (The Royal College of Psychiatrists) http://www.rcpsych.ac.uk/pdf/Core%20Curriculum_FINAL%20Version_July2013_updatedJun15.pdf is attached in Appendix I I

  1) Website **MRCPsych** www.mrcpsych.com

2) Reference Books

-Lecture notes in psychiatry

-Oxford hand book of psychiatry

-Concise synopsis of Kaplan&Sadocks .

-Oxford hand book of Neurology.

- Bradley's Neurology in Clinical Practice

- Brain's Clinical Neurology.

3.b- Comparison of the specification to the selected external reference/ benchmark:

E.g. all programme aims of the Benchmark are covered by the current programme

(6) Curriculum structure and contents:

4.a- Duration of the programme (in years or months):…4 semesters

4.b- programme structure:

Candidates should fulfill a total of 45 credit hours

●4.b.1: Number of credit hours:

First part 5 Second part 18 hours Thesis:10 pracitcal training 10 hours

Programme courses:

First part

a- Compulsory courses:

Course Title	Course Code	NO. of hours per week					Total teaching hours	Programme ILOs covered (REFERRING TO MATRIX)
		Theoretical		Laboratory /practical	Field	Total		
		Lectures	seminars					
Physiology	NPSYC 503	0.5					**7.5**	A1,A3,A7,A11 ,B1,B2,B3 C1
Biochemistry	NPSYC 504	0.5					**7.5**	A 1,A3,B1,B2,B3 C1
Anatomy & Embryology	NPSYC 501	0.5					**7.5**	A1,A3,A7,B1,B2,B3 C1
Histology of Nervous system	NPSYC 502	0.5					**7.5**	A1,A3,B1,B2,B3 C1
Psychology (general & special)	NPSYC 513	2					**30**	A1,A3,B1,B2,B3 C1,C2,C3,C5D1,D2
Internal Medicine	NPSYC 510	1					7.5lectures 15 clinical	A1,A3,B1,B2,B3 C1

Second part

a- Compulsory courses (thesis will be included in this table):

Course Title	Course Code	NO. of hours per week					Total teaching hours	Programme ILOs covered (REFERRING TO MATRIX)
		Theoretical		Laboratory /practical	Field	ota		
		ecture	seminars					
Psychiatry	**NPYC 513**	**7**		**5**			105 lectures-150clinical	A1,A2,A3,A4,A5,A6 Bb B1,B2,B3,B4,B5,B6 C1,C2,C3,C4,C5,C6D1,D2,D3 C 1
Psychopathology	NPSYC 513PS	1					**15 lectures**	**A1,A6,B1,B2,D1**
Neurology	NPSYC512	**7**		**5**			**105** lectures-150clinical	A7.A8,A9,A10,A13, B7,B8,B9,

								C2,C4,C5,C6,C7,D1, D2,D3,D4
Clinical neurophysiology	NPSYC512CNP	**1**					15 lectures	A12, B10, B11, C7,C8
Neuropathology	NPSYC505	**1**					15 lectures	A11, B12,C6
Thesis								D3, D4
Clinical training Program	**NPSYC 513 C**							B1,B2,B3,B4,B5,B6 C1,C2,C3,C4,C5,C6 ,D1,D2,D3,D4
Scientific Activities								**D2 , D2,D3,D4**

b- Elective courses:

Course Title	Course Code	NO. of hours per week					Total teaching hours	Programme ILOs covered (REFERRING TO MATRIX)
		Theoretical		Laboratory /practical	Field	Total		
		Lectures	seminars					
Psychopharmacology	NPSYC 513pp	1					**15 lectures**	**A 3,B3,B4,C3**
Adolescents	NPSYC 513Ap	**1**					**15 Lectures**	**A1,A2,A3, B1,B2,B3,B4, C1, D1**
Addiction	NPSYC 513AD	1					**15 lectures**	**A1,A2,A3, B1,B2,B3,B4, C1,,D1**

Programme-Courses ILOs Matrix

Programme ILOs are enlisted in the first row of the table (by their code number: a1, a2……etc), then the course titles or codes are enlisted in first column, and an "x" mark is inserted where the respective course contributes to the achievement of the programme ILOs in question.

P.S. All courses` specifications are attached in Appendix III.

Course Title/Code	a1	a2	a3	a4	a5	a6	a7	a8	a9	a10	a11	a12	a13	b1	b2b3	b3	b4	b5	b6	b7	b8	b9	b10	b11	b12
Physiology NPSYC 503	x		X				x				X			x	x	x									
Biochemistry NPSYC 504	x		X											X	X	X									
Anatomy & Embryology NPSYC 501	x		X					X						X	X	X									
Histology of Nervous system NPSYC 502	x		X											X	X	X									
Psychology (general & special) NPSYC 513	x		X											X	X	X									
Internal Medicine NPSYC 510	x		X											X	X	X									
Psychiatry NPSYC 513	x	X	x	x	X	x								x	x	X	x	x	x						
Psychopathology NPSYC 513PS	x					x								x	x										
	a1	a2	a3	a4	a5	a6	a7	a8	a9	a10	a11	a12	a13	b1	b2b3	b3	b4	b5	b6	b7	b8	b9	b10	b11	b12
Addiction NPSYC 513 AD	x	X	x											x	x	X	x								
Psychopharmacology NPSYC 513 PP			x													X	x								

Adolescent Psychiatry NPSYC 513 AP	x		x	x												x	x	X	x	x	x							
Neurology NPSYC512								X	X	X	X			X								X	X	X				
Clinical neurophysiology NPSYC512CNP										X	x		X											x	X	X		
Neuropathology NPSYC505										X	X	X												x			X	

Course Title/Code	Programme ILOs																												
	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	d12	d13	d14	d15
Physiology NPSYC 503																													
Biochemistry NPSYC 504																													
Anatomy & Embryology NPSYC 501																													
Histology of Nervous system NPSYC 502																													
Psychology (general & special) NPSYC 513																x	x												

Internal Medicine NPSYC 510	x																												
Psychiatry NPSYC 513	x	X	X	x	X	X									x	x	x												
Psychopathology NPSYC 513PS															x														
Addiction NPSYC 513 AD															x														
Psychopharmacology NPSYC 513 PP																													
Adolescent Psychiatry NPSYC 513 AP															x														
Neurology NPSYC512		X		X	X	X	X								X	X	X	X											
Clinical neurophysiology NPSYC512CNP																													
Neuropathology NPSYC505																													

Matrix between the program objectives and program ILO

Program objectives	a1	a2	a3	a4	a5	a6	a7	A8	A9	A10	A11	A12	A13	b1	b2	b3	b4	b5	b6	b7	B8	B9	B10	B11	B12
1- Provide the knowledge and understanding of social and psychological theories of human development and behavior and the biological basis of mental health functioning and their relationship to mental ill health.	x	X				X								x	X		*	*	*						
2- Provide the knowledge and concepts leading to competent evidence based mental health practice	x	X	x	X	x	X								x	X	x	x								
3-Give advanced clinical practice skills for proper diagnosis and management of psychiatric patients of different age groups and in different settings	x	X	X																						
4- Give our candidate the ethical principles and methods of communication related to the practice in the field of psychiatry			x		X																				
5- Detailed anatomy and physiology of various							X			X															

nervous system structures.																									
Program objectives	**a1**	**a2**	**a3**	**a4**	**a5**	**a6**	**a7**	**A8**	**A9**	**A10**	**A11**	**A12**	**A13**	**b1**	**b2**	**b3**	**b4**	**b5**	**b6**	**b7**	**B8**	**B9**	**B10**	**B11**	**B12**
6- Equip students with a deep understanding of disorders of the nervous system and which will be of benefit to their future careers.								X	X	X	X		X							X	X	X			X
7- To facilitate active learning of the various diseases affecting the nervous system regarding the possible pathophysiology, pathogenesis, clinical presentation, differential diagnosis & investigations.									X	X	X														X
8- Provide Skills necessary for proper diagnosis and management of patients in the field of neurology including diagnostic, problem solving and decision making.								X	X	X			X							X	X	X			
9- Provide the candidate with professional knowledge of the pathology of neurological diseases.											X														X
10- Provide the candidate with knowledge about the principles of Clinical neurophysiology measures like												X									X		X	X	

electroencephalogram (EEG), Electromyography (EMG), Nerve Conduction velocity (NCV) and Evoked potentials.																									
Program objectives	**a1**	**a2**	**a3**	**a4**	**a5**	**a6**	**a7**	**A8**	**A9**	**A10**	**A11**	**A12**	**A13**	**b1**	**b2**	**b3**	**b4**	**b5**	**b6**	**b7**	**B8**	**B9**	**B10**	**B11**	**B12**
11- Educate the candidate how to integrate the pattern of different clinical neurophysiology measures and the clinical data in order to reach proper diagnosis									X	X		X											X	X	

Program objectives	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	d1	d2	d3	d4
1- Provide the knowledge and understanding of social and psychological theories of human development and behavior and the biological basis of mental health functioning and their relationship to mental ill health.	X	X									x		*	*

Program objectives	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	d1	d2	d3	d4
2- Provide the knowledge and concepts leading to competent evidence based mental health practice in clinical practice.	x	x	x								X	X		
3-Give advanced clinical practice skills for proper diagnosis and management of psychiatric patients of different age groups and in different settings	x	x	X	X		X					X	X		
4- Give our candidate the ethical principles and methods of communication related to the practice in the field of psychiatry.		x			X	X					X	X		
5- Detailed anatomy and physiology of various nervous system structures.				x		X	X	X					x	
6- Equip students with a deep understanding of disorders of the nervous system and which will be of benefit to their future careers.		X		x	X	X	X	x	X	X	X	X	x	X
7- To facilitate active learning of the various diseases affecting the nervous system regarding the possible pathophysiology, pathogenesis, clinical presentation, differential diagnosis & investigations.		X		x	x	X	x	x	X	X	X	x	X	X

Program objectives	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	d1	d2	d3	d4
8- Provide Skills necessary for proper diagnosis and management of patients in the field of neurology including diagnostic, problem solving and decision making.				X	X				X	X		X		X
9- Provide the candidate with professional knowledge of the pathology of neurological diseases.		X			X		X	X	X	X	X	X	X	X
10- Provide the candidate with knowledge about the principles of Clinical neurophysiology measures like electroencephalogram (EEG), Electromyography (EMG), Nerve Conduction velocity (NCV) and Evoked potentials.			X	X		X	X	X	X	X				X
11- Educate the candidate how to integrate the pattern of different clinical neurophysiology measures and the clinical data in order to reach proper diagnosis			X	X		X	X	X	X	X				X

(7) Programme admission requirements:

●General requirements:

According to the bylaws of the faculty of medicine MansouraUniversity applicants should have MBBCh or equivalent degree. all applicants for postgraduate studies should fulfill preliminary courses in English language (Toefl or equivalent degree) –Admission to the program is open during March and September

●Specific requirements (if applicable):

-Complete nine written long cases in the following subjects (schizophrenia, other psychoses , bipolar disorder, unipolar depression, major depressive disorder, anxiety disorder,substance related disorder,child &adolescent disorder and psychiatric disorder due to general medical condition)

- conducting four ECT sessions

-Life resuscitation training course

(8) Regulations for progression and programme completion:

After finishing the first part of residency training, and collecting the required credit hours, the student should pass part I examination including the basic sciences and general clinical course before proceeding to the second part. In case the student fails to pass the examination, he may proceed in the clinical training and can re-sit for the next examination. After passing the first part, the student submits a protocol for master thesis at the beginning of second part. The candidate will receive his degree after passing this final examination. MSc.

(9) Evaluation of Programme's intended learning outcomes (ILOs):

Evaluator	Tools*	Sample size
Internal evaluator **(s)**		
External Evaluator **(s)**		
Senior student **(s)**		
Alumni		
Stakeholder **(s)**		
Others		

* TOOLS= QUESTIONNAIRE, INTERVIEW, WORKSHOP, COMMUNICATION, E_MAIL

We certify that all information required to deliver this programme is contained in the above specification and will be implemented. All course specification for this programme are in place.	
Programme coordinator: Name: . Hanan Elsayed . Ahmed Hamdy	Signature & date:
Dean: Name:	Signature & date:
Executive director of the quality assurance unit: Name:	Signature & date:

P.S. The programme specification should have attached to it all courses specifications for all courses listed in the matrix.