



Faculty of Medicine
Suez Canal University

Department of Psychiatry and Neurology
Program Specification- MSc

PROGRAM SPECIFICATIONS

Program Title:

**Master Degree in Neurology
and Psychiatry**

Code:

NPNP



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Program Specification

A- Basic Information

- 1- Program Title: **Master Degree in Neurology and Psychiatry**
- 2- Program Type: **Single** **Double** **Multiple**
- 3- Department (s): Psychiatry and Neurology, Anatomy, Histology, Physiology, Pathology, Biochemistry and Medicine.
- 4- Coordinator: **Head of department**
- 5- External Evaluator(s) : **Prof.**
- 6- First date of program specifications approval: 17/11/2008
- 7-Date of specification revision approval: Jan.2018
- 8- **Number of credit points for this degree: 120 CP**

B- Professional Information

Program Aim

The overall aims of the program are to develop a student who can:

- 1- Understand the major psychiatric and neurologic disorders with their differential diagnosis and management.
- 2- Understand the social contexts in which psychiatry is practiced as well as psychology as applied to psychiatry.
- 3- Attain the basic and applied neuroscience relevant to psychiatry and neurology.
- 4- Actively acquire competence in scientific writing.

Intended Learning Outcomes (ILOs) of the program

a. Knowledge and Understanding:

By the end of this program, participants should be able to:



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- a1 Recognize the basic and clinical sciences necessary for effective consultation in neuropsychiatric medicine.
- a2 Describe principles of clinical risk assessment and management.
- a3 Recognize optimal up to date clinical evaluation of major dimensions of major psychiatric disorders.
- a4 Describe up to date preventive strategies in psychiatric disorders.
- a5 Describe clinical features and discuss epidemiology and etiology of the main psychiatric disorders of older people.
- a6 Identify main categories of addictive medicine.
- a7 Demonstrate basic knowledge in research ethics, medico legal aspects and statistics in psychiatry.
- a8 Identify optimal cost effective neurology and psychological testing and therapeutic strategies.
- a9 Recognize the aspects of neurology practice as modified by patient age and other patient population characteristics, especially aspects of pediatric and geriatric practice.

b. Intellectual Skills

By the end of this program, participants should be able to:

- b1. Integrate and interpret the results of history, physical and laboratory and radiological findings into a meaningful diagnostic formulation.
- b2. Analyze critically to recognize the impact of their own value judgments and those of patients.
- b3. Explain different psychotherapy models.
- b4. Analyze, interpret, objectively evaluate and prioritize information, recognizing its limitations.
- b5. Demonstrate insight into research and scientific method through:
 - a. critical appreciation of methodology;
 - b. formulating research questions that are pertinent to medicine;
 - c. choice and application of appropriate quantitative and qualitative methodologies;
 - d. collecting, analyzing and interpreting data;
 - e. Analyzing and using numerical data (Use simple statistical methods)
- b6. Assess risk in relation to their own work and profession
- b7. Regularly improve their practical performance using sound up to date knowledge
- b8. Professional decision making
- b9. Demonstrate the ability to critically assess the scientific literature.
- b10. Use up to date guidelines to ensure diagnosis of neurological and psychiatric diseases



b11. Demonstrate skills of problem solving using different resources of information

C. Professional and Practical Skills

By the end of this program, participants should be able to:

- c1 Perform psychiatric interviewing and mental state examination.
- c2 Perform neurological history and examination.
- c3 Practice efficiently general and neurological examination.
- c4 Develop up to date plans for patient management.
- c5 Perform and evaluate all required psychometric analysis
- c6 Develop research skills through performing thesis in specialty.
- c7 Write medical report about patient complete condition
- c8 Apply health education and promotion programs.

d. General and Transferable Skills

By the end of the program, participants should be able to:

- d 1 Operate in team work.
- d 2 Develop ability for managerial skills.
- d 3 Develop different tools needed for presentation skills.
- d 4 Develop Evaluation skills (subordinates, peers & program).
- d 5 Apply new technology in different clinical settings.
- d 6 Develop written and oral communication skills.
- d 7 Manage time properly
- d 8 Assist in Organizing scientific meetings
- d 9 Demonstrate self evaluation skills and continuous development according to professional needs
- d 10 Demonstrate the ability of self learning

Academic Standards

3a - External References for Standards (Benchmarks)

- According to the curriculum prepared by the Royal College of Psychiatrists, 2001
 - The standards of the National Authority of Quality Assurance and Accreditation in Education (NAQAAE). Website: www.naqaae.org

4- Curriculum Structure and Contents



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4a- Program duration: the program lasts for a minimum of 2 academic years and maximum 5 years, as specified in the internal bylaws for postgraduate studies based on credit points system in the Faculty of Medicine, Suez Canal University approved on February 7th, 2016.

4b- Program structure:

Master Program Credit points (CP) structure:

Total needed credit points for getting master degree 120 CP

The program consists of **First part 30 CP, Thesis 30 CP, and Second part 60 CP**

1. The first part of the program: 30 CP, its duration (15 weeks) for one academic semester. It includes
 - a. A course in Research Methodology planned and held in the Community Medicine Department of the Faculty of Medicine, Suez Canal University. This part includes 4 CP.
 - b. A courses in Research ethics planned and held in the Forensic and Toxicology Department of the Faculty of Medicine, Suez Canal University. This part includes 2 CP.
 - c. One elective course, the students should select one elective among six courses. This part includes 2 CP.
 - d. The specialized courses in Neuropsychiatry, planned and held in the Neuropsychiatry Department. It includes 22 CP.
2. Master thesis: 30 CP, not included in the total marks for master degree, the candidate has the right to register the thesis protocol after 6 months from the degree registration. The thesis defense is allowed after 6 months from the date of the faculty council approval on the thesis protocol and passing the first part exam.
3. The second part of the program: 60 CP, its duration (45 weeks) for 3 consecutive academic semesters. The second part comprises the specialized courses in Neurology and psychiatry, planned and held in the Psychiatry and Neurology Department. This part lasts for 1.5 years ending by written and practical exams.

4bi- No. of credit Points per week: 2 CP / week which equivalent 50 hours/ week, including lectures, tutorials, self-learning and hands-on training.

4bii- No. of credit Points: the Master program is 120 Credit Points

Every credit point include 25 working hour (30% = 7 hours for face to face learning activities, and 70% =18 hours for self-learning activities).

5-Program Courses

5.1- Level/Year of Program: 1st part MSc

a. Compulsory



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***E: Student should select one course of the following as an elective course:**

One elective course has 2 CP. The students should select one elective in first part of the Master degree

E01 Evidence Based medicine (Community Department)

| Courses | | | Assessment | | | | |
|--------------|--|-------------------------|--------------|----------|--------------------|-----------|----------------------------|
| Code No. | Course Title | No.of Credit points | Written Exam | | | Oral exam | Practical or clinical Exam |
| | | | No of Papers | Duration | Marks | | |
| RB | Research methodology and Biostatistics | 4 | 1 | 2 hours | 80 | | |
| RE | Research Ethics | 2 | 1 | 1 hour | 40 | | |
| NPNP01 | Anatomy course | 2 | 1 | 1 hour | 30 | 10 | |
| NPNP02 | Histology of neurological system | 2 | 1 | 1 hour | 30 | 10 | |
| NPNP03 | physiology of neurological system and endocrinology | 3 | 1 | 1 hour | 45 | 15 | |
| NPNP04 | Biochimstry of neurological system and endocrinology | 3 | 1 | 1 hour | 45 | 15 | |
| NPNP05 | pathology of neurological system | 2 | 1 | 1 hour | 30 | 10 | |
| NPNP06 | Internal medicine | 4 | 1 | 2 hour | 35 | 10 | 35 |
| NPNP07 | Psychology and psychometry | 5 | 1 | 2 hour | 75 | 25 | |
| E | Elective Course* | 2 | 1 | 1 hour | 40 | | |
| Total | | 30 credit points | | | 600 marks** | | |

- E02 Scientific Writing (Medical Education Department)
- E03 Quality in Medical Education (Medical Education Department)
- E04 Infection Control (Microbiology Department)
- E05 Critical Appraisal (Community Department)
- E06 Communication Skills (Medical Education Department)

****Every credit point equal 20 marks**



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5.2- Level/Year of Programme: 2nd part MSc
a. Compulsory

| Courses | | | Assessment | | | | | |
|--------------|--|-------------------------------------|--------------|---------------------------|-------|---------------------|----------------------------|-----------------------------------|
| Code No. | Course Title | No. of Credit points | Written Exam | | | Oral exam | Practical or clinical Exam | Continues assessment *(Portfolio) |
| | | | No of papers | Duration | Marks | | | |
| NPNP08 | Advanced Practical Course in Neurology | 8 | 4 | 3 hours For each paper | 85 | 100 | 330 | 330 |
| | Clinical training in Advances of Neurology | 20 | | | 85+ | | | |
| NPNP09 | Advanced Sceintific and theaoritcal Course in psychiatry | 7 | | | | | | |
| | Clinical training in Advances of psychiatry | 20 | | | | | | |
| | ***Scientific activities | 5 (not included in the total marks) | | | | | | |
| Total | | 60 credit points | | | | **1100 score | | |

***Portfolio scores distributed in the different parts of the portfolio and its total score included among the total mark of the second part**

****Every credit point equal 20 marks**

*****Scientific activities are not included in the total marks**

5.3- Thesis: A faculty senior & junior supervisor from the staff members are nominated by the department council to prepare a proposal of the thesis protocol after the selection of a subject that is complementary to the research plans of the department. Data collection, methodologies, study question, time table, ethical considerations and budget are formulated by the candidate under guidance of his supervisors into a research project. The research protocol is then peer reviewed by two different staff members nominated by the Head of the department who share their ideas and comments with the supervisors to reach to the final form. The research protocol is discussed then openly in one of the department councils to be approved and diverted to the Faculty research committee where it is subjected to a critical appraisal to meet the research basic



standards set by the committee. The final approvals of the research protocol are then issued by the committee of post graduate studies, the Faculty and University Council to be registered. The candidate has the right to register his/her thesis protocol after 6 months from the degree registration. The first time for thesis defense after 6 months from the date of the faculty council approval on the thesis protocol and passing the first part exam.

N.B. Thesis represents 30 credit points not included in the total mark for master degree.

6-Program Admission Requirements

- The program accepts candidates with Bachelor degree in Medicine and Surgery with minimum good grade & very good.
- Registration for the program opens 2 times/year, according to the internal bylaws for postgraduate studies of the Faculty of Medicine, Suez Canal University.

7- Student Assessment Methods

- 7.1 Written (MEQ)** to assess the cognitive domain.
- 7.2 MCQs** to assess the cognitive domain
- 7.3 Oral Viva Cards** to assess higher cognitive and attitude domains.
- 7.3 Observations** to assess practical and presentation skills.
- 7.4 Portfolio** to assess the cognitive, psychomotor and the affective domains.

8- Weighting of Assessments

Total marks for master degree 1700

| Type of exam | |
|--|-------------|
| First part (30 credit points= 600 mark) | |
| • Written exam | 470 |
| • Oral and practical exam | 130 |
| • <u>Total</u> | 600 |
| Second part (60 credit points including 5 credit points not included in the total marks =1100 mark) | |
| • Oral exam | 100 |
| • Practical exam | 330 |
| • Written exam | 350 |
| • Portfolio | 330 |
| <u>Total</u> | 1100 |

Total of the Master degree 1700



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9- Regulations for Progression and Program Completion

The regulations for program completion follow the regulations of Master degree of medical education in the Faculty of Medicine, Suez Canal University approved by the Supreme Council of Universities.

First part

Passing level 60% of total marks of the exam

At least 50% passing level of the total written exam marks

Second part

Passing level 60% of total marks of the exam

Passing level 60% is prerequisite for MSc degree

Thesis/Assay

Passing thesis defense is prerequisite for getting MSc. Degree

10-Evaluation of Program Intended Learning Outcomes (ILOs)

| Evaluator | Tool | Sample |
|--|--|-------------------------------|
| 1- Postgraduate students | Needs assessment questionnaires | Random sample of participants |
| 2- Alumni | Self-administered questionnaires | Comprehensive sample |
| 3- Stakeholders | Self-administered questionnaires | Random sample |
| 4-External Evaluator(s) (External Examiner(s)) | External audit of the program specifications | |
| 5- Other | | |

Course Coordinator

Prof. Ashraf Tantawy
Professor of Psychiatry

Head of Department

Prof. Ashraf Tantawy
Professor of Psychiatry



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A comparison of Neuropsychiatry intended learning outcomes of Master program to the Generic Academic Reference Standards (ARS) for postgraduate programs

The overall goals of the program are to enable students to:

1. Understand the major psychiatric and neurologic disorders with their differential diagnosis and management.
2. Understand the social contexts in which psychiatry is practiced as well as psychology as applied to psychiatry.
3. Understand the basic and applied neuroscience relevant to psychiatry and neurology
4. Integrate the results of history, physical and laboratory test findings into a meaningful diagnostic formulation.
5. Analyze, interpret, objectively evaluate and prioritize information, recognizing its limitations.

The curriculum will enable trainees to become competent in the:

1. Practice psychiatric interviewing and mental state examination.
2. Practice neurological history and examination.
3. Develop patient management skills.
4. Apply scientific writing.
5. Develop communication skills.
6. Develop research skills.
7. Apply health education and promotion programs.



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| Benchmark | Program ILOs Covered (By No.) |
|---|-------------------------------|
| 2.1: Knowledge and understanding | |
| By the end of the postgraduate master program the candidate should be able to know and understand the following: | |
| 2.1.01 Theories, basic and specific knowledge related to his specialty as well as basic sciences related to practice in his field | a1,a5 |
| 2.1.02 exchangeable effect of professional practice and its reflection on the environment | NA |
| 2.1.03 most up-to-date information related to his specialty | a3, a4, b7, b10, c5 |
| 2.1.04: Basic of ethics and medico legal aspects of professional practice, related to the specialty | a7 |
| 2.1.05 basis and principles of quality assurance in professional practice related to the specialty | b10 |
| 2.1.06 basis and ethics of scientific researches | a7 |
| 2.2- Intellectual Skills | |
| By the end of the postgraduate master program the candidate should be able to: | |
| 2.2.01 Analyze and evaluate knowledge to solve problems related to his specialty | b1,b2,b4 |
| 2.2.02 solve specific problems with insufficient data | b11 |
| 2.2.03 Integrate different information to solve professional problems | b3 |
| 2.2.04 Perform scientific research or write scientific background for a research problem | b5, b9, c6 |
| 2.2.05 Risk assessment in professional practices | b6 |
| 2.2.06 Plan to improve performance related to specialty | b7 |
| 2.2.07 professional decision making in relation to different professional sequences | b8 |
| 2.3- Practical and Clinical Skills | |
| By the end of the postgraduate master program the candidate should be able to: | |
| 2.3.01 Demonstrate essential practical skills related to his specialty | c1,c2,c3,c4 |
| 2.3.02 Write and evaluate professional reports | c7 |
| 2.3.03 Evaluate different methods and tools available related to specialty | c5 |
| 2.4 General and transferable skills | |
| By the end of the postgraduate master program the candidate should be able to | |
| 2.4.01 Communicate ideas and arguments effectively | d6,d2 |
| 2.4.02 Use information technology to serve in the development of professional practice | d5 |
| 2.4.03 perform self evaluation and specify his own educational needs | d9 |
| 2.4.04 Use different resources to obtain knowledge and information. | b11 |
| 2.4.05 state regulations and outcomes for evaluation of others | d4 |
| 2.4.06 Work effectively within team and lead a team effectively indifferent professional situations | d1 |
| 2.4.07 Manage time effectively | d7, d8 |
| 2.4.08 Adopt the principles of self and lifelong learning | d9, d10 |