

Mansoura University, Faculty of Medicine



**MANSOURA
MANCHESTER**
Programme for medical education



Year 5 Course Specifications

Semester 9

Mind and Movement (MM)

(MPPh2S9MM)

University of Mansoura

Faculty of Medicine

Course specifications

Programme(s) on which the course is given: Mansoura Manchester Programme for Medical Education

Major or minor element of programmes: Mind and Movement.

Department offering the programme: All Departments in the faculty of medicine.

Department offering the course: Neurology, Psychiatry, Neurosurgery, Orthopedics, and Rheumatology

Academic year / Level 5th year, 9th semester.

Date of specification approval: May 2016

A- Basic Information

Title: Code: MPPh2S9MM

Teachin Hours:/week

Lecture:5h/w

Tutorial:4h/w PBL

Practical: 16h/w

Total:25h/w

B- Professional Information

1 – Overall aims of course

To enable the student to recognize and assess the severity of common disorders in neurology, psychiatry, neurosurgery, rheumatology, orthopedics and geriatric medicine both in hospital and community settings and know their basic multidisciplinary management.

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2 – Intended learning outcomes of course (ILOs)

a- Knowledge and understanding:

- a.1-Recognize the common diseases seen in neurology, psychiatry, neurosurgery, rheumatology and orthopedics.
- a.2-Explain the natural history of degenerative neurological disorders.
- a.3- Express the natural history and management of the major psychoses.
- a.4-Define common clinical conditions which cause raised intracranial pressure and their management.
- a.5-Identify the significance of metabolic bone disease.
- a.6-Discuss the diagnosis, investigation and management of patients with joint disease.
- a.7-Describe challenge presented by patients with multisystem disease.
- a.8-Explain provisions which can be made to support patients with handicaps in the community.
- a.9-Express an understanding of multiprofessional team work.
- a.10-Review approach the management of major trauma and have an understanding of the processes of rehabilitation.

b- Intellectual skills

- b1- Analyze the causes of falls in the elderly.
- b2- Classify brain tumors and bone tumors.
- b3- Differentiate those signs and symptoms which demand emergency treatment from those do not.
- b4- Distinguish the pathophysiological processes which produce common symptoms and physical signs e.g. dizziness, epilepsy, and swollen joints.
- b5- Plan the diagnosis, investigation and management of patients with joint disease.
- b6- Evaluate the interaction between psychological and physical illness in patients and the effect of such illness on their carers.

c- Professional and practical skills

- c1-Assess conscious level.
- c2-Examine mental state.
- c3-Evaluation of cognitive function.
- c4-Assess suicide risk.
- c5-Apply neurological examination.

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c6-Plan for history taking.

c7-Employ substance abuse history.

c8-Mange communication with mentally ill people.

c9-Assess rehabilitation needs.

c10- Discuss psychological disorders with the family.

c11-Judge point of referral to specialised services.

d- General and transferable skills

d1- Retrieve, manage, manipulate and present information, (in electronic and oral formats) and communicate ideas, concepts and arguments effectively.

d2- Act professionally by effective peer and inter-professional team membership, time management, teaching and mentoring others.

d3 Show an awareness of the moral and ethical responsibilities involved in patient care and in the provision of care to populations of patients.

3- Contents

Topic No. of hours Lecture Tutorial/Practical

Topics	No. of hours	Lectures	Tutorial/ Practical
1- The epidemiology, aetiology and natural history of dementia, clinical complications, community and caregivers issues and different approaches to management.	26	4	22
2- The major types of connective tissue diseases (CTD): epidemiology, investigations, neurological manifestations, management and its complications	20	4	16
3- Differential diagnosis and assessment of unconscious patient	7	3	4
4- Self-poisoning and assessment of suicide risk	2		2
5- Multiple Sclerosis (Degenerative CNS Disease) : Genetics, pathogenesis, investigations, neurological manifestations,	27	5	22

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management and rehabilitation			
6- Etiology, pathogenesis, clinical features and management of transient ischaemic attacks and cerebrovascular strokes	27	5	22
7- Etiology, epidemiology and natural history of bipolar disorders	11	1	10
8- Schizophrenia: Etiology, epidemiology, natural history & management	5	1	4
8- Differential diagnosis of psychoses	3	1	2
9- Cultural & Community aspects in the management of schizophrenia	3		3
10- Clinical presentations and Assessment of Substance use disorders	10	1	9
11- Antidepressants & Anxiolytics: types, efficacy & adverse effects	1	1	
12- Mood Stabilizers: types, efficacy & adverse effects	1	1	
13- Antipsychotics: types, efficacy & adverse effects	1	1	
14- Psychiatric emergencies	4	1	3
15- overview of psychiatric disorders	12	6	6 (CT)
16- tools of assessment in psychiatry (clinical & psychometric)	10	2	8 (CT + SL)
17- . Know about the aetiology, epidemiology and Differential diagnosis of low back pain.	18	5	13
18- demonstration of Anatomy & Physiology of CNS & peripheral nerves	8	6	2 (PBL)
19- Head Trauma	5	1	4
20- Pathology & clinical presentations of of brain tumours.	10	2	8

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21- Clinical and radiological assessment of brain and spine functions	12		12
22- overview on other common neurosurgical problems of the brain (infections and hemorrhage)	6	2	4
23- Bone fracture	25	9	16
24- Bone infection	3	1	2
25- the epidemiology and clinical features of the common forms of Arthritis (including due to chronic inflammatory diseases)	19	7	12
26- Bone tumors	9	3	6
27- Metabolic diseases of the bone	5	2	3
28- Osteoporosis: etiology, epidemiology, clinical features & management	9	2	7
29- Rehabilitation for the musculoskeletal system & basis of Physiotherapy	7	1	6
30- Radiological assessment of Bones & Joints	12		12

4- Teaching and learning methods

4.1- Lectures

4.2- Clinical Seminar

4.3- Clinical Training

4.4- Skill lab

4.5- Problem based learning

5- Student assessment methods

5.1- MCQ Mid-semester exam. to assess knowledge, Skills

5.2- MCQ final exam to assess knowledge and understanding

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- 5.3 Short essay final exam to assess knowledge
- 5.4 OSCE to assess Skill and attitude
- 5.6 Ongoing assessment to assess over all performance

Assessment schedule

Assessment 1	Mid semester	Week 6,11,16
Assessment 2	MCQ	week Final exam
Assessment 3	Short essay	Week Final exam
Assessment 4	OSCE	Week Final exam
Assessment 5	Ongoing assessment	every PBL

Weighting of assessments

Mid-Term Examination	60 marks (20 X 3)	(9.2%)
Final-Term MCQ	200 marks	(30.77%)
Final-Term SHORT ESSAY	120	(18.5%)
Practical Examination (OSCE)	200 marks	(30.77%)
Semester work	20	(3.1%)
Other types of assessment SSC	50	(7.7%)
Total	650	(100%)

6 – List of References

6.1- Course Notes

- student's case book

6.2- Essential Books (Text Books)

- Golan DE, Tashjian AH, Armstrong EJ (editors), Principles of pharmacology, 2005, Lippincott Williams & Wilkins
- Siegel A, Sapru HN, Essential Neuroscience, 2006, Lippincott Williams & Wilkins

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6.3- Periodicals, Web Sites, ...etc

- http://en.wikipedia.org/wiki/Main_Page
- <http://www.ncbi.nlm.nih.gov/pubmed/>

7 – Facilities Required for Teaching and Learning

1. A theatre which can accommodate 100 students
2. 20-24 rooms in OPD,OR,& ward can accommodate at least 300 students (total)
3. Data show and PC with windows xp as an operating system and office 2007
4. 24 pbl rooms which accommodate 10 students

Chief Tutor: Ass.Prof. Wail Lotfy Abdelnaby.

Course Coordinator: Prof./ Nagy A.H. Sayed-Ahmed

Date: May /2016