

# Mansoura University, Faculty of Medicine



**MANSOURA**  
**MANCHESTER**  
Programme for medical education



## Year 4 Course Specifications

Semester 8 (NME)

Nutrition Metabolism and Excretion

(MPPh2S8NME)

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: Nutrition Metabolism & Excretion.

Department offering the programme: All Departments of the Faculty of Medicine

Department offering the course: Internal Medicine, General Surgery, Urology.

Academic year / Level 4<sup>th</sup> year, 8<sup>th</sup> semester.

Date of specification approval: May 2016

### A- Basic Information

**Title:** Nutrition Metabolism & Excretion      **Code:** MPPh2S8NME

**Teaching Hours:** /week

**Lecture:** 6h/w

**Tutorial:** 3h/w

**Practical:** 15/w

**Total:** 24/w

### B- Professional Information

#### 1 – Overall aims of course

Semester 8 (Clinical Aspects of Nutrition, Metabolism and Excretion) is about gastrointestinal, endocrinal and uronephrology medical and surgical aspects. Each PBL case contains case learning outcomes that by definition must be linked to the learning outcomes for the semester. Each case is integrated and contains cues that raise potential learning objectives relating to knowledge, skills and attitudes in all areas of biological and behavioural sciences, and certain aspects of ethics and law. The

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clinical training programme is also designed around these objectives and it is expected that students may discuss the clinical experience they have had within the context of a PBL case.

### 2 – Intended learning outcomes of course (ILOs)

#### a- Knowledge and understanding:

- a1- Identify the structure and function of the gastrointestinal.
- a2- Recognize the liver diseases.
- a3- Describe the function of excretory and endocrine systems and the processes of nutrition & metabolism.
- a4- Discuss diabetes mellitus and its complications and management.
- a5- Explain problems related to thyroid gland and lumbs of the neck.
- a6- Summarise salivary gland problems.
- a7- Specify electrolytes and acid base problems.
- a8- Outline nonsurgical courses of abdominal pain and pain of urological origin.
- a9- Dscribe acute and chronic renal failure and renal replacement therapy.
- a10- Explain problems related to these systems from psychological and social aspects.
- a11- Record psychological conditions and processes (such as somatisation) that may present as symptoms in these systems

#### b- Intellectual skills

- b1- Use appropriate investigations to elucidate the pathological processes.
- b2- Show the major pathological processes that may affect these systems.
- b3- Distinguish the effect of biological, psychological, social, cultural and environmental factors on both the development and perception of these  
process

#### c- Professional and practical skills

- c1- Differentiate problems in the relevant systems and their effect on the patient processes.
- c2- Practice abdominal and neck examination including the thyroid gland
- c3- interpret an abdominal radiograph and perform near-patient blood glucose measurement

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### d- General and transferable skills

- d1- Evaluate problems in the relevant systems and their effect on the patient
- d2 Perform abdominal and neck examination including the thyroid gland
- d3 Interpret an abdominal radiograph and perform near-patient blood glucose measurement

### 3- Contents

Topic No. of hours Lecture Tutorial/Practical

Topics	No of h	Lectur	Tutorial/Practic
Diabetes Mellitus, its complications and management, hypoglycemia.	23	5	18
Suprarenal gland, polyendocrinal syndrome, abnormalities of body weight.	23	5	18
Liver disease, liver cell failure, viral hepatitis and abdominal examination.	23	5	18
Disturbance of digestion, bowel habits, malabsorption, nutritional problems and calcium and electrolytes.	23	5	18
Problems related to thyroid gland, lumps in the neck, salivary gland problems	23	5	18
Acid peptic Disease, upper GIT bleeding, shock, abdominal pain, pancreatitis	23	5	18
GORD, disorders of swallowing, carcinoma of oesophagus, carcinoma of stomach, perioperative care.	23	5	18
Abdominal hernia, intestinal obstruction, lower GIT problems, cancer of colon and rectum,	23	5	18
Non surgical causes of abdominal pain, irritable bowel syndrome, problems of urological origin, Somatof	23	5	18
Acute and chronic renal failure, renal replacement therapy, electrolyte & acid/base problems.	23	5	18
Urinary bladder, prostate, and micturition disorders	23	5	18
Hematuria, anuria, renal mass, urological tumours, urinary stoma	23	5	18

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## 4- Teaching and learning methods

- 4.1-Lecture
- 4.2-Clinical training and clinical seminars
- 4.3-Problem based learning (PBL)
- 4.4- Student selected component (SSC)

## 5- Student assessment methods

- 5.1 MCQ..... to assess ....Knowledge and understanding.
- 5.2 Short essay..... to assess ... Knowledge and skill.
- 5.3 OSCE..... to assess .....Skills and attitude.
- 5.4 SSC..... to assess ...Over all performance.

## Assessment schedule

Assessment 1 MCQ midterm exams....	Week 6-11-16
Assessment 2 MCQ	Week Final exam
Assessment 3 Short essay	Week Final exam
Assessment 4 OSC	Week Final exam
Assessment 5 ongoing assessment	Every PBL

## Weighting of assessments

Mid-Term Examination	9.2 %
Final-term Examination	49.2 %
Oral Examination	0%
Practical Examination	30.8 %
Semester Work	10.8 %
Other types of assessment	0 %
Total	100%

Any formative only assessments

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### 6- List of references

#### 6.1- Course notes

student's case book .....

#### 6.2- Essential books (text books)

Davdson's Principle & Practice of Medicine; Kumar & Clark's Clinical Medicine

#### 6.3- Recommended books

Harrison's Principles & Practice of Medicine; Cecil-Laube's Textbook of Medicine

#### 6.4- Periodicals, Web sites, ... etc

emedicine.com;

### 7- Facilities required for teaching and learning

1. A theatre which can accommodate 50 students.
2. Medical Wards and clinical teaching rooms in University Hospitals: Main Hospital, Medical Specialised Hospital, Urology and Nephrology Center.
3. Datashow and PC with windows xp as an operating system and office 2007.
4. Three pbl rooms which accommodate 10 students.

**Course Coordinator: Prof Alaa Wafa**

**Programme Director: Prof Nagy Sayed-Ahmed**

**Date: May 2016**