

# Mansoura University, Faculty of Medicine



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



## Year 1 course Specifications Semester 2 Life cycle (MPPh1S2LC)

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: Life cycle Module

Department offering the programme: All depts in the faculty of medicine

Department offering the course: Anatomy, Histology, Physiology, Biochemistry..etc

Academic year / Level: 1<sup>st</sup> year

Date of specification approval: May 2016

### A- Basic Information

**Title: Code: MPPh1S2LC**

**Teaching Hours/week:**

**Lecture: 7 h/w**

**Tutorial: 5 h/w**

**Practical: 4 h/w**

**Total: 16 h/w**

### B- Professional Information

#### 1 – Overall aims of course

Semester 2 (Life cycle) is to provide students with the basic science needed to prepare them for entry into the up-coming modules. 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.

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

##### a- Knowledge and understanding:

a1- Identify structure of nucleic acid & metabolism

a2- Recognize of human physiology of pregnancy, menopause, erythropoiesis and growth promoting hormones.

a3- Recognize anatomy of upper and lower limbs, male and female genital tracts

a4. Describe the development of the heart and female genital tract.

a4. Illustrate the histological structure of the breast, bone and hematological system.

a5. Describe the principles of the immune tolerance and hypersensitivity.

a6. Recognize the developmental milestones.

a7. Describe imaging of female genital tract during pregnancy and in utero-diagnosis of disorders

##### b- Intellectual skills

b1- Analyze problems.

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## Mansoura University, Faculty of Medicine



**MANSOURA  
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- b2- Formulate pharmacokinetics and pharmacodynamics of drugs.
- b3- compare between innate and acquired immunity.
- B4. Inspect cognitive development and psychological impact of chronic illness.

### c- Professional and practical skills

- c1- Interpret basic laboratory skills.
- c2- Demonstrate gram staining of bacteria
- c3- Illustrate the histological structure of male and female genital tracts, upper and lower limbs and bone.
- c4. Identify anatomical structures of upper and lower limbs .

### d- General and transferable skills

- d1- Work in teams through PBL sessions and preparing for student presentation.
- d2- Retrieve, and present information, (in electronic and oral formats).
- d3- Assess ideas, concepts and arguments effectively during PBL sessions.
- d3- Evaluate effective peer and inter-professional team membership, time management, teaching and mentoring others.

### 3- Contents

Topic	No of hours	Lecture	Practical	Tutorial
Basic embryology of the heart and female genital tract	2	2	-	
Physiology of growth,	1	1	-	
Physiology of hemopoietic system	1	1	-	
Physiology of pregnancy, labour and menopause	3	3	-	
Histology of female genital tract	2	-	2	
Histology of male genital tract	2	-	2	
Histology of skin	2	-	2	
Histology of breast,	1	1		
Histology of haemopoietic system	2	-	2	
Histology of bone,	3	1	2	
Anatomy of bones of pelvis, Anatomy of female genital tract	4	2	2	
Anatomy of male genital tract	1	1	-	
Anatomy of the male and female perineum	1	1	-	
Anatomy of upper limb	17	5	12	
Anatomy of lower limb	18	8	10	
Pharmacology (Antiviral drug, anti cancer drug,)	2	2	-	
Pharmacokinetics and pharmacokinetics	4	4	-	
Cognitive & social development , Phobias, Psychological impact of chronic illness	3	3	-	
Innate immunity, adaptive immunity	2	2	-	
Tolerance & autoimmunity, Hypersensitivity, HIV	3	3	-	
Microbiology of antibiotics and bacteria,	1	1	-	

# Mansoura University, Faculty of Medicine



**MANSOURA  
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Programme for medical education



Gram staining of bacteria and culture media	4	-	4	
Diagnostic imaging of cancer Imaging during pregnancy	4	4	-	
Developmental milestones, growth charts/short stature Genetic basis of thalassemia	3	3	-	
Clinical aspects of RA and SLE	1	1	-	

## 4- Teaching and learning methods

- 4.1-Lectures
- 4.2 Practical sessions
- 4.3 Problem based learning
- 4.4 Student presentation
- 4.5 Early clinical experience (hospital visits)

## 5- Student assessment methods

- 5.1 Mid-semester exam. to assess knowledge and intellectual skills.
- 5.2 MCQ final to assess knowledge and intellectual skills.
- 5.3 Short essay. to assess knowledge and intellectual skills.
- 5.4 OSCE to assess practical skills.
- 5.5 Ongoing assessment in PBL sessions to assess knowledge and intellectual skills, attitude & communication skills.

## Assessment schedule

Assessment 1	Mid semester MCQ	Week 6
Assessment 2	MCQ	week Final exam
Assessment 3	Short essay	Week Final exam
Assessment 4	OSCE	Week Final exam

## Weighting of assessments

Mid-Term Examination :	35 marks	6.3 %
Final-term Examination: MCQ	200 marks	36.3%
Short essay	140 marks	25.4
Ongoing assessment every PBL	75 marks	13.6 %
Practical Examination	100 marks	18.1%
Total	550 marks	100%

Any formative only assessments

## 6- List of references

- 6.1- Course notes
- Student's case book
- 6.2- Essential books (text books)
- Snell RS, Clinical Anatomy for Medical Students, 6th edition, 2000, Lippincott, Williams & Wilkins
- Guyton AC, Hall JE, Textbook of Medical Physiology, 2006, Elsevier Saunders

## Mansoura University, Faculty of Medicine



**MANSOURA  
MANCHESTER**  
Programme for medical education



6.4- Periodicals, Web sites, ... etc

<http://www.ncbi.nlm.nih.gov/pubmed/>

### 7- Facilities required for teaching and learning

1. A lecture theatre which can accommodate 100 students
2. Two lab rooms can accommodate up to 25 students
3. Datashow and PC with windows xp as an operating system and office
4. Eighteen PBL rooms which accommodate 12 students each.

**Course coordinator: Prof. Mohamed Hesham Daba**

**Programme Director: Prof. Nagy Abdel- Hady Sayed-Ahmed**

**Date: May/2016**