



## كيفية إعداد توصيف المقررات الدراسية للدراسات العليا

توصيف المقررات الدراسية يتضمن توضيح أقل المتطلبات الواجب توافرها في طالب الدراسات العليا للحصول على درجة الماجستير والدكتوراه. يشمل توصيف المقرر الدراسي الآتي:

- الأهداف التعليمية للدرجة العلمية
- المعرفة والمهارات التي يجب أن يحصل عليها الطالب في نهاية فترة الدراسة والتدريب
- طرق التدريس (مثال: محاضرات ، ورش عمل، تدريب معلمي)
- محتويات المنهج العلمي (الموضوعات العلمية ومراجعتها، عدد ساعات تدريس الجزء النظري والعملية والإكلينيكي)
- طرق تقييم الطالب ( مثال: الامتحانات بكافة صورها، الحضور، المقال العلمي، log book)
- نظام الامتحانات وكيفية توزيع الدرجات
- طرق التقييم للمقرر الدراسي
- المراجعة السنوية والمستولين عنها.

### PROGRAMME SPECIFICATION FOR POSTGRADUATE DEGREE

This specification provides a concise summary of the main features of the course and the learning outcomes that a typical candidate might reasonably be expected to achieve and demonstrate if he or she takes full advantage of the learning opportunities provided. More detailed information on the specific learning outcomes, context and the teaching, learning and assessment methods of each module can be found in the Programme Descriptions Handbook.



## COURSE SPECIFICATION

Faculty of Medicine– Mansoura University

### (A) Administrative information

(1) Programme offering the course.	Master degree in Medical Physiology
(2) Department offering the programme.	Department of Medical Physiology
(3) Department responsible for teaching the course.	Department of Medical Physiology
(4) Part of the programme.	First part
(5) Date of approval by the Department`s council	10/7/2016
(6) Date of last approval of programme specification by Faculty council	12/7/2016
(7) Course title.	Physiology of Cell and Electrophysiology
(8) Credit hours	3 hours
(9) Course code.	PHYS 503
(10) Total teaching hours.	45 hours

## **(B) Professional information**

### **(1) Course Aims:**

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

To enable students to understand basic facts about cell biology and physiology which enable him to master the molecular physiological mechanisms. Also, to develop skills related to physiological experimental work.

### **(2) Intended Learning Outcomes (ILOs):**

On successful completion of the course, the candidate will be able to:

#### **A- Knowledge and Understanding**

A1 Describe the organization of human body and body compartments and intercellular communications

A2 Describe the types of membrane potentials and different ion channels involved in membrane potentials

A3 Describe the principles of functions of cell organelles and basics of DNA replication

#### **B- Intellectual skills**

**B1** Appraise the function of different components of cells

**B12** Plan for development of performance in the field of medical Physiology

**B13** Take professional decisions in different situations

### **(3) course content:**

<b>Subjects</b>	<b>Lectures</b>
1. Organization of human body and body fluids	3
2. Homeostasis and feedback mechanisms	5



content	ILOs																							
	Intellectual skills													Practical skills					Transferrable skills					
	B 1	B 2	B 3	B 4	B 5	B 6	B 7	B 8	B 9	B 10	B 11	B 12	B 13	c1	c2	c3	c4	c5	d1	d2	d 3	d4	d 5	d6
<b>Organization of the human body &amp;body fluids</b>	√										√	√												
Homeostasis and feedback mechanisms	√										√	√												
Functional organization of cell membrane	√										√	√												
Intercellular connections	√										√	√												
Transport across cell membrane	√										√	√												
Rmp,Ap,graded potential	√										√	√												
Ion channels ,membrane potentials	√										√	√												
Functions of cell organelles	√										√	√												
DNA replication , transcription and translation	√										√	√												

**(5) Teaching methods:**

Method	ILOS covered by this method
5.1: Lectures	A1-A3, B1, B12,B13
5.2: Seminars	A1-A3, B1, B12,B13

**(6) Assessment methods:**

Tools	Marks	Percentage of the total mark	ILOS assessed by the exam.	Schedule
6.1:MCQ exam	24	12 %	A1-A3, B1, B12,B13	April/Oct
6.2:Written exam	96	48 %	A1-A3,B1, B12,B13	April/Oct
6.3:Oral exam	80	40 %	A1-A3,B1, B12,B13	April/Oct
<b>Total marks</b>	200			

**(7) References of the course:**

**7.1: Hand books:** Staff member books & lecture notes.

**7.2: Textbooks:** Guyton Medical Physiology, Ganong Physiology

**(8) Required for Teaching And Learning:**

The facilities include: appropriate teaching accommodation, teaching aids, laboratories, laboratory equipment, computer, etc, facilities for field work, site visits, etc, which are necessary for teaching the course.

**(9) Facilities and resources mandatory for course completion.**

**9.1- Attendance Criteria.**

Minimum acceptance attendance in each course is 75%

**9.2- Assessment tool:**

Minimum percentage accepted is 60% of total marks

**Course coordinator: Dr. Abdelaziz Hussein**

**Head of the department: Dr. Sabry Mohamed Awad Gad**