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 الاتي:

- الأهداف التعليمية للدرجة العلمية
- المعرفة والمهارات التي يجب أن يحصل عليها الطالب في نهاية فترة الدراسة والتدريب
- طرق التدريس (مثال: محاضرات ، ورش عمل، تدريب معملي)
- محتويات المنهج العلمي (الموضوعات العلمية ومراجعها، عدد ساعات تدريس الجزء النظري والعملي والإكلينيكي)
- طرق تقييم الطالب (مثال: الامتحانات بكافة صورها، الحضور، المقال العلمي، log book)
- نظام الامتحانات وكيفية توزيع الدرجات
- طرق التقييم للمقرر الدراسي
- المراجعة السنوية والمسئولين 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 Clinical Pharmacology
(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:	**Medical pharmacology**
(8) Credit hours	5 credit hours + 2 practical
(9) Course code:	**PHYS 506**
(10) Total teaching hours:	75 hours lectures + 60 hours practical

(B) Professional information

(1) Course Aims:

To enable students to master basic facts about clinical pharmacology which enable them to master medical physiology. Also, to develop several practical skills related to physiological experimental work.

A- Knowledge and Understanding

A9 Describe some pathophysiological aspects underlying the development of common diseases as hypertension , heart failure, respiratory failure, endocrinal disorders.

A16 Explain the role of quality control in experimental labs.

A17 List mechanisms by which different drugs perform its actions

B- Intellectual skills

B9 categorize the different types of receptors and their agonists and antagonists

B11 Evaluate risks in the professional practices of Medical Physiology

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

B13 Take professional decisions in different situations

C- Professional/practical skills

C1 Work effectively in a group in biological science laboratories.

C2 Deal with experimental animal as: Rats, Frogs, and Rabbits

C4 Record signals from animals such as muscle twitch from frog muscle, ECG from rats, aortic strip from rabbit, small intestinal motility etc……

D- Communication & Transferable skills

D1 Relate course information effectively in the field of general medicine practice.

D2 Retrieve, manage, and manipulate course information by all means, including electronic means.

D3 Discuss freely about any medical problem.

D4 Present course information clearly in written, electronic and oral forms.

(3) Course content:

Subjects	Lectures
General pharmacology	**12**
Pharmacology of the ANS	10
Pharmacology of the CNS	10
Pharmacology of the GIT	11
Pharmacology of the Respiratory system	10
Pharmacology of the Blood	8
Pharmacology of the CVS	14
Total teaching hours	75

Practical

Title	**Hours**
Plotting dose response curve	9
Effects of autonomic drugs on aortic strip	10
Effects of autonomic drugs on tracheal ring	9
Effects of autonomic drugs on rat uterus	7
Effects of autonomic drugs on rabbit small intestine	10
Effects of ions and some drugs on NMJ of frog	7
Effects of autonomic drugs on frog cardiac rhythmicity	8
Total	**60**

(4) Matrix of ILOs of Medical pharmacology

content	ILOs																
	Knowledge and understanding																
	A 1	A 2	A 3	A 4	A 5	A 6	A 7	A8	A9	A 10	A 11	A 12	A 13	A 14	A 15	A 16	A 17
General pharmacology																√	√
Pharmacology of the ANS									√							√	√
Pharmacology of the CNS									√							√	√
Pharmacology of the GIT									√							√	√
Pharmacology of the Respiratory system									√							√	√
Pharmacology of the Blood									√							√	√
Pharmacology of the CVS									√							√	√

Contents	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	B13	c 1	c 2	c 3	c 4	c 5	C 6	C 7	d 1	d 2	d 3	d 4	d 5	d 6
General pharmacology									√		√	√	√								√	√	√	√		
Pharmacology of the ANS									√		√	√	√								√	√	√	√		
Pharmacology of the CNS									√		√	√	√								√	√	√	√		
Pharmacology of the GIT									√		√	√	√								√	√	√	√		
Pharmacology of the Respiratory system									√		√	√	√								√	√	√	√		
Pharmacology of the Blood									√		√	√	√								√	√	√	√		
Pharmacology of the CVS									√		√	√	√								√	√	√	√		

Practical

Content	Practical skills							Transferrable skills					
	c1	c2	c 3	c4	c 5	C6	C7	d 1	d 2	d 3	d 4	d 5	d6
Plotting dose response curve	√	√	√	√									
Effects of autonomic drugs on aortic strip	√	√	√	√									
Effects of autonomic drugs on tracheal ring	√	√	√	√									
Effects of autonomic drugs on rat uterus	√	√	√	√									
Effects of autonomic drugs on rabbit small intestine	√	√	√	√									
Effects of ions and some drugs on NMJ of frog	√	√	√	√									
Effects of autonomic drugs on frog cardiac rhythmicity	√	√											

(5) Teaching methods:

Method	ILOS covered by this method
5.1: Lectures	A9, A16, A17, B9, B11
5.2: practical sections	C1, C2
5.3 Seminars	A9, A16, A17, B9, B11,D1-D4

(6) Assessment methods:

Tools	Marks	Percentage of the total mark	ILOS assessed by the exam.	schedule
5.1:MCQ exam	36	12 %	A9, A16, A17, B9, B11	2nd week of Jan / July
5.1:Written exam	144	48 %	A9, A16, A17, B9, B11	April/Oct
5.2:Oral exam	60	20 %	A9, A16, A17, B9, B11	April/Oct
5.3:Practical exam	60	20%	C1, C2,C4	April/Oct
Total marks	300			

(7) References of the course:

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

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

(8) Facilities 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:

8.1– Attendance Criteria:

Minimum acceptance attendance in each course is 75%

8. 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