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:	MD 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	9 /8/2016
(7) Course title:	Sport Physiology
(8) Credit hours	5 hours
(9) Course code:	**Phys 603 CE**
(10) Total teaching hours:	75 Hours

(B) Professional information

(1) Course Aims:

The broad aims of the course are as follows:

To enable students to understand basic facts about sport physiology which enable him to master the physiological response to muscle exercise. 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 and recent updates of its moleccular mechanism of contraction

A2 Describe the effects of muscles exercise on different body systems

A3 Recognize the physiological responses to muscle exercise

A4 Describe the homeostatic mechanisms and energy stores during muscle exercise

B- Intellectual skills

b1 Apply basic and clinically supportive sciences which are appropriate to physiology of exercise related topics.

b2 Argue, and discuss medical issues on evidence based manner

b3 Join different types of knowledge to solve the professional problems.

b4 Abstract a given study results, discussion and conclusion.

(3) Course content:

Subjects	Lectures	Total Teaching Hours
Physiology of skeletal ms contraction and DHP and raynodine receptors	5	5
Types of muscle exercises	4	4
Biomechanics of skeletal muscle contraction	4	4
Energy systems during muscle exercise and O2 debt	9	9
Skeletal muscle metabolism and nutrients used during	6	6

muscle activity		
Effect of athletic training on muscles and muscle performance	4	4
Muscle hypertrophy	5	5
Hereditary differences among athletes for fast-twitch vs. slow-twitch muscle fibers.	8	8
Respiratory system and ms exercise	5	5
CVS and muscle exercise	5	5
Body metabolism and ms exercise	4	4
Homeostasis and body fluids in exercise	4	4
Body fitness and athletes	4	4
Anti-inflammatory effects of muscle exercise	4	4
Muscle exercise in some health problems such as diabetes and neurodegenerative disorders	4	4
Total teaching hours	75 hours	75 hours

(4) Matrix of ILOs of Sport Physiology

Course Title	**ILOs**																								
	Knowledge and understanding									**Intellectual skills**						**Practical skills**					**Transferrable skills**					
Sport Physiology	**a 1**	**a 2**	**a 3**	**a 4**	**a 5**	**a 6**	**a 7**	**a 8**	**a 9**	**b1**	**b2**	**b3**	**b4**	**b5**	**b 6**	**c1**	**c2**	**c3**	**c4**	**c5**	**d1**	**d2**	**d 3**	**d4**	**d 5**	**d6**
	√	√	√	√						√	√	√	√													

Course content	ILOS							
	Knowledge and understanding				**Intellectual skills**			
	A1	**A2**	**A3**	**A4**	**B1**	**B2**	**B3**	**B4**
Physiology of skeletal ms contraction and DHP and raynodine receptors	√				√	√	√	√
Types of muscle exercises	√				√	√	√	√
Biomechanics of skeletal muscle contraction	√				√	√	√	√
Energy systems during muscle exercise and O2 debt				√	√	√	√	√
Skeletal muscle metabolism and nutrients used during muscle activity				√	√	√	√	√

Effect of athletic training on muscles and muscle performance	√				√	√	√	√
Muscle hypertrophy	√				√	√	√	√
Hereditary differences among athletes for fast-twitch vs. slow-twitch muscle fibers.	√				√	√	√	√
Respiratory system and ms exercise		√			√	√	√	√
CVS and muscle exercise		√			√	√	√	√
Body metabolism and ms exercise				√	√	√	√	√
Homeostasis and body fluids in exercise				√	√	√	√	√
Body fitness and athletes				√	√	√	√	√
Anti-inflammatory effects of muscle exercise			√		√	√	√	√
Muscle exercise in some health problems such as diabetes and neurodegenerative disorders			√		√	√	√	√

(5) Teaching methods:

Method	ILOS covered by this method
4.1: Lectures	A1, A2, A3, A4, B1, B2,B3,B4
4.2: Seminars	A1, A2, A3, A4, B1, B2,B3,B4

(6) Assessment methods:

Tools	Marks	Percentage of the total mark	ILOS assessed by the exam.	Schedule
5.1:MCQ exam	20	20 %	A1, A2, A3, A4, B1, B2,B3,B4	April/Oct
5.2:Written exam	80	80 %	A1, A2, A3, A4, B1, B2,B3,B4	April/Oct
Total marks	100			

(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