

Course Specification

University: Menoufiya

Faculty: Science

Course Specifications:

Programme (s) on Which the Course is Given: M.Sc. of General Physiology

Major or Minor Element of Programmes: Major

Department offering the Program: Zoology

Department offering the Course: Zoology

Academic Year/ Level: -----

Date of Specification Approval: 2010

A- Basic Information

Title: Physiology of muscles

Code: Z6116

Credit Hours: 3

Lecture: 2

Tutorial:0

Practical: 2

Total: 3

B- Professional Information

1- Overall Aims of the Course: By the end of this course, the student should be able to

- * Understand the Understand of the physiology of muscles.
- * Understand the types and properties of muscles.

2- Intended Learning Outcomes of Course (ILOs):

a- Knowledge and Understanding:

- a1- Define the structure and function of the muscles.
- a2- Identify the mechanisms incorporated in muscular system.

b- Intellectual Skills:

b1- Measure the student capability to identify the mechanisms incorporated in muscular system.

b2- List the function of the muscles.

c- Professional and Practical Skills:

c1- Demonstrate skills in identification the mechanisms incorporated in muscular system.

c2- Distinguish the structure and function of the muscles.

d- General and transferable Skills:

d1- Measure the scientific writing ability.

d2- Utilize the oral communication skills.

d3- Use appropriate lab equipment.

d4- Use the appropriate technology such as (Internet) for scientific research.

3- Contents

Topic	No. of Hours	Lecture	Practical
Types of muscle	3	3	4
Properties of muscles	5	5	4
General function of muscular system	4	4	4

4- Teaching and Learning methods

4.1-Lectures.

4.2-Oral presentation.

4.3- Research assignment.

4.4-Practical demonstration.

5- Student assessment methods

5.1-Reports to assess Collection of course material.

5.2- Mid-term exam to assess Mid-term performance.

5.3-Practical and oral exam to assess practical skills.

5.4-Final term exam to assess end of course performance.

Assessment schedule

Assessment1 Mid term Week
Assessment2 semester activities Week 5 and 8
Assessment3 final term practical exam Week 13
Assessment4 final term exam Week 14

Weighting of assessments

Mid-Term Examination	20 %
Final-Term Examination	40%
Oral Examination	10%
Practical Examination	20%
Semester Work	10%
Other Types of Assessment	0%
Total	100%

6- List of references

6.1- Essential books (text books)

*Text book of : Physiology of the muscles and nerves.

6.2- Essential books (text books)

*Text book of Physiology.

6.3- Recommended books

* Essentials of Physiology.

* General Physiology

6.3- Periodicals, Web sites, Etc

* Comparative Physiology..

7-Facilities required for teaching and learning:

* Lecture room provided with a white board.

* Dark room equipped with overhead and slide projectors, data show.

* Lab provided with suitable equipments.

Course coordinator: Prof. Dr. M. F. F. Bayomy

Head of Department: Prof. Saber Sakr

Date: 15/1/2013