

Course Specification

University: Menoufiya

Faculty: Science

Course Specifications:

Programme (s) on Which the Course is Given: M.Sc. of Vertebrates,

Comparative anatomy and Embryology

Major or Minor Element of Programmes: Major

Department offering the Program: Zoology

Department offering the Course: Zoology

Academic Year/ Level: -----

Date of Specification Approval: 2012

A- Basic Information

Title: Comparative Physiology

Code: Z615

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 different physiologic functions in different animals groups.

2- Intended Learning Outcomes of Course (ILOs):

a- Knowledge and Understanding:

a1- Define the similarities and dissimilarities among physiologic functions in different animals groups.

b- Intellectual Skills:

b1- Measure the student capability to distinguish the similarities and dissimilarities among physiologic functions in different animals groups.

c- Professional and Practical Skills:

c1- Demonstrate skills in identification the similarities and dissimilarities among physiologic functions in different animals groups.

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
Comparative Physiology (Introduction)	2	1	2
Organs of digestion	4	2	4
Blood and Blood vascular system	4	2	4
Organs of respiration and excretion	2	1	2
Organs of special secretion	4	2	4
Organs of movement and supportive structures	4	2	4
Nervous system	2	1	2
Organs of reproduction	2	1	2
Revision	2	1	2

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- List of references

- * Comparative anatomy and physiology.

6. 2- Recommended Journals

- * Journal of 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 Dr. Saber Sakr