Course Specification

University: Menoufiya Faculty: Science

Course Specifications:

Program(s) on Which the Course is Given: M.Sc. Zoology (protozoa and invertevrates)

Major or Minor Element of Program: major

Department Offering the Program: zoology

Department Offering the Course: zoology

Academic Year/ Level: postgraduate

Date of Specification Approval: 2012

A- Basic Information

Title: coelenterates Code: Z6321

Credit Hours: 2 Lecture: 2

Tutorial: 0 Practical: 0

Total: 2

B- Professional Information

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

* identify and study the shape and characters of the coelenterates classes.
* Classify the coelenterate classes
* Compare between different classes of coelenterates
* Identify different forms of coelenterates

2- Intended Learning Outcomes of the Course (ILOs):

a- Knowledge and Understanding:

a1- Explain the principles and concepts and functions of different forms of coelenterates

a2- understand the development of coelenterates

a3- Compare between different forms of coelenterates
a4- know the life cycle of coelenterates
a5- Identify ontogeny and phylogeny of coelenterates

b-Intellectual Skills:

b1- Measure the student capability to differentiate between the coelenterates classes

B2- Define the different characters of the coelenterates.

B3- Differentiate between the different forms of coelenterates.

c- Professional and Practical Skills:

c1- Demonstrate skills in identification, characterization of coelenterates.

C2- Distinguish between different coelenterates forms.

C3- Able to collect coelenterates samples from the field to study them in the lab.

d- General and Transferable Skills:

d1- Measure the scientific writing ability.

D2- Utilize the oral communication skills.

D3- Use appropriate lab equipment.

3- Contents:

Topic	No. of Hours	Lecture	Tutorial/ Practical
Introduction	4	2	-
General characters	8	4	-
Classification	4	2	-
Different forms and stages	4	2	-
Hydrozoa	8	4	-
Scyphozoan	8	4	-
Anthozoa	8	4	-

4- Teaching and Learning Methods:

4.1-Lectures.
4.2-Research assignment.
4.3-Oral presentation.
4.4- Exams.

5- Student Assessment Methods:

5.1-Reports to assess collection of course material.
5.2- Report oral defense to assess understanding the report.
5.3-Mid term exam to assess Mid term performance.
5.4-Final term exam to assess end of course performance.

Assessment Schedule:

Assessmen1 reports Week 1 report every 3 weeks.
Assessment2 report defense Week every 3 weeks.
Assessment3 Mid term Week mid term.
Assessment4 final term exam Week final term.

Weighting of Assessment

Mid-Term Examination	20 %
Final-Term Examination	40%
Oral Examination	10%
Semester Work	30%
Other Types of Assessment	0%
Total	100%

Any Formative only Assessment

6- List of References:

6.1- Essential Books(Text Books):

* Text book of invertebrates

6.2- Recommended Books

* Coelenterates

6.3- Periodicals, Web Sites, …etc

* Journal of invertebrate Pathology

7- Facilities Required for Teaching and Learning:

* Slides and overhead projector.
* Lecture room with white board
* Data show

Course coordinator: Dr. Sherin K. Sheir

Head of Department: Prof. Dr. Saber Sakr