

## Course Specification

University: Menoufiya

Faculty: Science

Course Specifications:

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

Major or Minor Element of Programmes: Minor

Department offering the Program: Zoology

Department offering the Course: Zoology

Academic Year/ Level: postgraduate

Date of Specification Approval: 2012

### A- Basic Information

Title: Immunoparasitology

Code: Z 6316

Credit Hours: 2

Lecture: 2

Tutorial: 0

Practical: 0

Total: 2

### B- Professional Information

#### 1- Overall Aims of the Course:

\* By the end of this course the student able to: develop an understanding to assume the role of immune response to different parasite infection and escape mechanisms of different parasites

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

##### a- Knowledge and Understanding:

explain immuno responses of different parasites.

Describe and know the parasite effects on the host and its escape mechanisms.

know immunological control of parasitic infection.

##### b- Intellectual Skills:

\*State the definition for general terminology used in Immunology & Parasitology

\*Identify the goals and principle of immnuoparasitology

- \*Describe host resistance to parasite infection
- \* Explain escape mechanism of different parasite

**c- Professional and Practical Skills:**

- \* The student will be able to:
- Describe the means by which parasite escape form immuno-system
- Recognize immuno responses against different parasites

**d- General and Transferable Skills:**

- \*ImproveInternet experience to build course material.
- \*Enhance the writing ability.
- \*Enhance the oral communication ability during presentations.

**3- Contents:**

Topic	No. of Hours	Lecture	Tutorial/ Practical
Introduction: Parasite and Parasitism	2	2	-
Escape mechanisms	4	4	-
Immuno response to parasite infection	2	2	-
Immuno response to protozoa	2	2	-
Intestine protozoa	2	2	-
Blood inhabiting protozoa			
Tissue inhabiting protozoa	2	2	-
Immunity to Helminthes	6	6	
Vaccines	2	2	-
Immunity to Helminthes	6	6	

#### **4- Teaching and Learning Methods:**

- 4.1- Lectures.
- 4.2- Oral presentation.

#### **5- Student Assessment Methods:**

- 5.1- Seminar to assess collection of course material.
- 5.2-Mid term exam to assess Mid term performance.
- 5.3- Final term exam to assess end of course performance.

#### **Assessment Schedule:**

- Assessment1 seminar every week.
- Assessment2 mid term
- Assessment3 oral exam
- Assessment4 Final exam

#### **Weighting of Assessment**

Mid-Term Examination	20%
Final-Term Examination	60%
Practical Examination	00%
Oral Examination	10%
Semester Work	10%
Other Types of Assessment	00%
Total	100%
Any Formative only Assessment	

#### **6- List of References:**

##### **6.1- Course Notes**

##### **6.2-Essential Books( Text Books):**

- \* Foundations of Parasitology.
- \* Immunology
- \*Immunity to Parasite

**Course coordinator:** Prof. Dr. Azza Hassan Mohammad

**Head of Department:** Prof. Dr. Saber Sakr

