

## Course Specification

University: Menoufiya

Faculty: Science

Course Specifications:

Programme (s) on Which the Course is Given: Diploma of Hematology

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: Blood immuno-diseases

Code: Z5113

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 should be able to

- \* Know and Understand of blood immuno-diseases.

- \* Identify different types of immunopathology.

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

**a- Knowledge and Understanding:**

a1- Define the different types of immunopathology.

**b- Intellectual Skills:**

b1- Measure the student capability to distinguish the hypersensitivity, immunodeficiency, autoimmune diseases.

**c- Professional and Practical Skills:**

c1- Demonstrate skills in identification of the immunopathology and its types.

**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
Introduction	2	1	

(immunology)			
Hypersensitivity types	4	2	
<b>Blood autoimmune diseases</b>	4	2	
Immunodeficiency	2	1	
Acquired immunodeficiency	4	2	
Tumor immunology	4	2	
Leukemia	2	1	
Other White blood cell disorders	2	1	
Revision	2	1	

#### 4- Teaching and Learning methods

4.1-Lectures.

4.2-Oral presentation.

4.3- Research assignment.

#### 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-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	20%
Semester Work	10%
Other Types of Assessment	10%
Total	100%

### **6- List of references**

#### **6.1- Essential books (text books)**

\*Immunopathology

\*Cellular and molecular immunology.

## **6.2- Recommended books**

- \* Essentials of Physiology.

## **6.3- Periodicals, Web sites, .... Etc**

- \* Immunology  
Hematology.
- \* Journal of

## **7-Facilities required for teaching and learning:**

- \* Lecture room provided with a white board.
- \* Dark room equipped with overhead and slide projectors, data show.

**Course coordinator: Prof. Dr. Hany M Ibrahim**

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

***Date:*** 15/1/ 2013