

## Course Specification

### 1. Basic Information

<b>Programme(s) on which the course is given:</b>	MSc of Cytology, Histology and Histochemistry
<b>Department responsible for offering the course:</b>	Zoology
<b>Department responsible for teaching the course:</b>	Zoology
<b>Academic year:</b>	2012-2013
<b>Course title and code:</b>	Hematology Z6132
<b>Contact hours (credit hours):</b>	Lecture: 2 hrs Practical: 2hrs Total: 3 hrs
<b>Course coordinator:</b>	Prof. M. F. F. Bayomy

### 2. Professional Information

The course aim and intended learning outcomes are based on that mentioned in the programme specifications, with more course-related specific details.

### 3. Overall Aims of Course: By the end of this course, the student should be able to

- \* Describe the structure and functions of the blood.
- \* Outline the formation of red blood corpuscles.
- \* List the causes and development of some haematologic diseases like different types of anemia.

### 4. Intended Learning Outcomes of Course (ILOs):

#### a. Knowledge and Understanding:

- a1- Define the haemopoietic organs.
- a2- Describe the blood formation.
- a3- Illustrate some haematologic phenomena and mechanisms.

#### b. Intellectual Skills:

- b1- Measure the student capability to identify the structure and functions of blood components.
- b2- Define the blood formation inside the body.

#### c. Professional and Practical Skills:

c1- Determine student capability to do some blood parameters like counting of blood cells and determination of Hb & hematocrit ..etc.

**d.General and Transferable Skills:**

d1- Measure the scientific writing ability.

d2- Utilize the oral communication skills.

d3- Use the appropriate technology such as (Internet) for scientific research.

**5.Course Contents**

Topic	No. of hours	Tutorial/ Practical	Lecture
Some definitions	1	2	1
Functions of blood	1	2	1
Erythropoeisis & anemias	4	2	4
White blood cells	2	2	2
Thrompocytes & blood clot	2	2	2
Blood plasma	3	2	3

- Teaching and Learning Methods
- Lectures.
- Practical sessions.
- Writing essays.
- Oral presentation.

**6.Student Assessment Methods**

- Essays
- Oral exms
- Written exams.
- Practical exams.
- Quizzes.

### **Assessment schedule**

Assessment 1	Essay	Week 1 essay/term
Assessment 2	Oral exam	Twice/term
Assessment 3	Mid-term exams	Week 7
Assessment 4	Semester Work Exam	Week 10
Assessment 5	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%
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Total	100%

## **7- List of references**

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

- \* Lecture notes.

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

- \* Textbooks of Hematology

### **6.3- Recommended books:**

- \* Essentials of Hematology
- \* Biochemistry & Hematology

### **6.4- Periodicals, Web sites....Etc:**

## **8- Facilities required for teaching and learning**

- \* Dark room equipped with overhead and LCD projector.
- \* Librarian facilities.
- \* Computers with internet Access.

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

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

