



## Course specification

University/Academy: Damnhour

Faculty/Institute: Science

Department Zoology

### 1. course Data:

<b>Course code:</b> Zool 101	<b>Course title:</b> General Zoology	<b>Academic year/level:</b> 1 <sup>st</sup> year /1 <sup>st</sup> term 2007/2008
<b>Specialization:</b> zoology	<b>No. of instructional units:</b> lecture <input type="text" value="3hrs/week"/> practical <input type="text" value="4hrs/week"/>	

### 2. course Aim

- To provide the students with the general concepts of Zoology.
- Moreover to provide them with the basic information about the various fields in Zoology. The broad topics discussed are, Cell biology, Histology, Molecular biology , Genetics ,Physiology and Endocrinology.
- Describe the basic principles of structure of the different tissues, organs and systems of the human body.
- Laboratory practice to improve practical skills (dissection of toad and recognition of Histology slides).

### 3. Intended learning outcome

<b>a) Knowledge and understanding</b>	A1:Summarize the characteristics of living things. A2: Describe the general structure of the animal cell and its organelles. A3:Identify the different types of tissues in our bodies. A4:Understand the basics of DNA, RNA and protein interactions.
<b>b) Intellectual skills</b>	B1: Differentiate between mitosis and meiosis. B2: Discuss the steps of protein synthesis. B3: Comment on DNA Replication.



<b>c) Professional skills</b>	C1: Draw a labelled drawing. The different types of tissues in the human body. C2: Write an essay about the animals and their environment.
<b>d) General skills</b>	D1: Communicate with each other for mutual skills and information. D2: Collect data from the internet.
<b>4. course content</b>	Characteristics of living things Chemistry of life General structure of the animal cell Cell membrane , R.E.R , Golgio mitochondria Types of animal tissues RNA transcription and transpction Structure of DNA and replication
<b>5. Teaching and learning methods</b>	5.1. Using Power Point and illustrations. 5.2. Laboratory practice to improve practical skills 5.3. Direct conventional lectures. 5.4. Self information collection and evaluation as assays. 5.5. Discussion through lectures and practice.
<b>6. Teaching and learning methods for students with special needs</b>	Data show – computer – blackboard – microscopes – dissection plates.
<b>7. Student Assessment</b>	
<b>a) Procedures used:</b>	7.1. Final term exam. 7.2. practical exam (dissection of toad). 7.3. practical exam (slides of Histology). 7.4. One quiz during lectures and one during practical work.
<b>b) Assessment Schedule:</b>	Assessment 1: Week: 4 Assessment 2: practical exam) Week: 8 Assessment 3: practical Week: 14 Assessment 4: Final term exam Week: 15



<b>c) Weighing of Assessment:</b>	Mid-Term Examination: (10) 5 % Final-Term Examination: (150) 75 % Oral Examination: 0 % Practical Examination (25) 12.5 % Semester Work (15) 7.5 % Other types of assessment: 0 % <hr/> Total (200) 100%
<b>8. List of Textbooks and References:</b>	
<b>a) Course Notes</b>	General zoology , practical zoology.
<b>b) Required Books (Textbooks)</b>	-----
<b>c) Recommended Books</b>	

**Course Instructor: Karoline Kamel Abdel Aziz**

**Head of Department: Karoline Kamel Abdel Aziz**

**Date: -----/-----/-----**