Course specification

University/Academy: Damanhour
Faculty/Institute: Science
Department Zoology

1. course Data:

<table>
<thead>
<tr>
<th>Course code:</th>
<th>Course title:</th>
<th>Academic year/level:</th>
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</thead>
<tbody>
<tr>
<td>Zool 101</td>
<td>General Zoology</td>
<td>1st year /1st term</td>
</tr>
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<td></td>
<td></td>
<td>2007/2008</td>
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Specialization: zoology

<table>
<thead>
<tr>
<th>No. of instructional units:</th>
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<tbody>
<tr>
<td>lecture 3hrs/week</td>
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<tr>
<td>practical 4hrs/week</td>
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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

a) Knowledge and understanding

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) Intellectual skills

B1: Differentiate between mitosis and meiosis.
B2: Discuss the steps of protein synthesis.
B3: Comment on DNA Replication.
### Professional skills
- C1: Draw a labelled drawing. The different types of tissues in the human body.
- C2: Write an assay about the animals and their environment.

### General skills
- D1: Communicate with each other for mutual skills and information.
- D2: Collect data from the internet.

### Course content
- Characteristics of living things
- Chemistry of life
- General structure of the animal cell
- Cell membrane, R.E.R, Golgios, mitochondria
- Types of animal tissues
- RNA transcription and transposition
- Structure of DNA and replication

### Teaching and learning methods
- 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.

### Teaching and learning methods for students with special needs

### Student Assessment

#### Procedures used:
- 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.

#### Assessment Schedule:
- Assessment 1: Week: 4
- Assessment 2: practical exam) Week: 8
- Assessment 3: practical Week: 14
- Assessment 4: Final term exam Week: 15
### c) Weighing of Assessment:

<table>
<thead>
<tr>
<th>Assessment</th>
<th>Score</th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>Mid-Term Examination</td>
<td>(10)</td>
<td>5 %</td>
</tr>
<tr>
<td>Final-Term Examination</td>
<td>(150)</td>
<td>75 %</td>
</tr>
<tr>
<td>Oral Examination</td>
<td></td>
<td>0 %</td>
</tr>
<tr>
<td>Practical Examination</td>
<td>(25)</td>
<td>12.5 %</td>
</tr>
<tr>
<td>Semester Work</td>
<td>(15)</td>
<td>7.5 %</td>
</tr>
<tr>
<td>Other types of assessment</td>
<td></td>
<td>0 %</td>
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<tr>
<td><strong>Total</strong></td>
<td>(200)</td>
<td>100%</td>
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### 8. List of Textbooks and References:

<table>
<thead>
<tr>
<th>a) Course Notes</th>
<th>General zoology, practical zoology.</th>
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<tbody>
<tr>
<td>b) Required Books (Textbooks)</td>
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<tr>
<td>c) Recommended Books</td>
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Course Instructor: Karoline Kamel Abdel Aziz

Head of Department: Karoline Kamel Abdel Aziz

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