



## Course specification

University/Academy: Damanhour

Faculty/Institute: Science

Department :Zoology

### 1. course Data:

Course code: <b>Zool 301</b>	Course title: Insect Morphology	Academic year: 2009-2010 level: 1 <sup>st</sup> term /3 <sup>rd</sup> year
Specialization: Zoology	3hrsNo. of instructional units lecture <input type="text" value="2hr"/> practical <input type="text" value="3hr"/>	

### 2. course Aim

- The overriding aim for all awards in the course is to provide knowledge on insect morphology and structure of different organs and systems, and insect metamorphosis

### 3. Intended learning outcome

#### a) Knowledge and understanding

A1. Identify insect head, thorax and abdomen.

A2. Recognize different insect organs and their functions.

#### b) Intellectual skills

B1. Apply the basic skill of seeking, handling and interpreting information to awards the creation of new knowledge.

B2. Analyze critical review of the literature and to be aware of alternative approaches to study of



	the insect morphology
<b>c) Professional skills</b>	C1. Dissect the different insect structures. C2. Conduct skills that enable a harmonic working group
<b>d) General skills</b>	D1: Communicate with each other for mutual skills and information. D2: Collect data from the internet D3: Write report, needed for continuing professional development
<b>4. course content</b>	<ul style="list-style-type: none"><li>• General characteristics of insects</li><li>• structure of head, thorax and abdomen and their modifications</li><li>• structure of the different types of insect</li><li>• metamorphosis</li><li>• Insect organs and systems (e.g. digestive, circulatory, respiratory, nervous, reproductive systems)</li></ul>
<b>5. Teaching and learning methods</b>	1. Lectures. 2. Laboratory study and practical. 3. Team work for scientific essays



<p><b>6. teaching and learning methods for students with special needs</b></p>	<p>Data show – computer – samples and specimens – software.</p>																					
<p><b>7. Student Assessment</b></p>	<p>-----</p>																					
<p><b>a) Procedures used:</b></p>	<p>1.Final term exam. 2.Mid term exam. 3.Practical exam. 4.Semester quizzes</p>																					
<p><b>b) Schedule:</b></p>	<p>Assessment 1: Semester work Assessment 2: Mid term Assessment 3: Practical term Assessment 4: Final term exam</p>																					
<p><b>c) Weighing of Assessment:</b></p>	<table border="0"> <tr> <td>Mid-Term Examination</td> <td>15</td> <td>10%</td> </tr> <tr> <td>Final-Term Examination</td> <td>100</td> <td>66.6 %</td> </tr> <tr> <td>Oral Examination</td> <td>0</td> <td>0.0%</td> </tr> <tr> <td>Practical Examination</td> <td>25</td> <td>16.8 %</td> </tr> <tr> <td>Semester Work</td> <td>10</td> <td>6.6%</td> </tr> <tr> <td>Other types of assessment</td> <td>0</td> <td>0.0 %</td> </tr> <tr> <td><b>Total</b></td> <td><b>150</b></td> <td><b>100%</b></td> </tr> </table>	Mid-Term Examination	15	10%	Final-Term Examination	100	66.6 %	Oral Examination	0	0.0%	Practical Examination	25	16.8 %	Semester Work	10	6.6%	Other types of assessment	0	0.0 %	<b>Total</b>	<b>150</b>	<b>100%</b>
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<b>8. List of Textbooks and References:</b>	-----
<b>a) Course Notes</b>	- Lecture notes
<b>b) Required Books (Textbooks)</b>	The modern textbooks in the field of this subject
<b>c) Recommended Books</b>	The modern textbooks in the field of this subject
<b>d) Periodicals, web sites,....,etc</b>	<a href="http://www.wikipedia.com">www.wikipedia.com</a>

**Course Instructor :Dr. Amel Abees**

**Head of Department: : Prof . Karoline Kamel AbdEl-Aziz**

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