



Course specification

University/Academy: Damanhour

Faculty/Institute: Science

Department : Zoology

1. course Data:

Course code: Zool 404	Course title: Desert Ecology and Animal behaviour	Academic year:2010/2011 level: 4 th year students / 2 nd term
Specialization: Special zoology	No. of instructional units: lecture <input type="text" value="3hr"/> practical <input type="text" value="3hr"/>	

2. course Aim

- Understanding the general concepts of the weather and environmental conditions surrounding the animal fona
- Gaining knowledge about the morphological, behavioural and physiological adaptations of animal to different environments.
- Being aware of the relation between the nervous system of animals and the nature of behaviour.
- Using a clear, friendly style that conveys the excitement of research, stimulate imagination, and invites students to learn more.



3. Intended learning outcome	
a) Knowledge and understanding	<p>A1: recognize deserts environments.</p> <p>A2: define the major deserts of the world & weather and climate of deserts environments.</p> <p>A3: describe the morphological, behavioural & physiological adaptation of animals to environment.</p> <p>A4: list surface soils of deserts.</p> <p>A5: mention the nature of behaviour and its related to the nervous system.</p>
b) Intellectual skills	<p>B1: compare the major deserts of the world.</p> <p>B2: Compare between morphological, behavioural, physiological adaptat of animal to environment.</p> <p>B3: evaluate the nature of behaviour, its relation to nervous system.</p> <p>B4: Compare between sexual behaviour and parental care in desert animal.</p>
c) Professional skills	<p>C1: Write on weather and climate of desert environments.</p> <p>C2: Explain or write on physiological adaptation of animal to environments.</p> <p>C3: Explain or write on behavioural</p>



	<p>adaptation of animal to environments.</p> <p>C4: Explain or write on morphological adaptation of animal to environments.</p> <p>C5: Explain and Draw the nervous system for each animal and its adaptuts for desert environment.</p> <p>C6: Explain the social behaviour, sexual behaviour, parental care</p>
<p>d) General skills</p>	<p>D1: Communicate with each other for mutual skills and information.</p> <p>D2: Collect data from the internet.</p> <p>D3: Exchange ideas, principles and data.</p> <p>D4: Work effectively both in a team and independently.</p>
<p>4. course content</p>	<ul style="list-style-type: none"> • Introduction and escape of animals from desert environment • Tolerance of animals to desert environment • Reproduction of animals in the desert • Man and desert • Introduction on animal behaviour • Animal communication • Learning behaviour • Sexual behaviour • Practical care • Reflexes and complex behaviour



<p>5. Teaching and learning methods</p>	<p>1.Lectures. 2.Laboratory study and practical. 3.Team work for scientific essays</p>
<p>6. teaching and learning methods for students with special needs</p>	<p>Data show – computer – samples and specimens – software.</p>
<p>7. Student Assessment</p>	
<p>a) Procedures used:</p>	<p>5.1. Final term exam. 5.2. Mid term exam. 5.3. Practical exam. 5.4. Semester quizzes.</p>
<p>b) Schedule:</p>	<p>Assessment 1: Semester work Assessment 2: Mid term Assessment 3: Practical term Assessment 4: Final term exam</p>
<p>c) Weighing of Assessment:</p>	<p>- Mid-Term Examination: -----15----</p>



	Final-Term Examination: -----150--- Oral Examination: ----- Practical Examination: -----25--- Semester Work: -----10--- Other types of assessment: ----- Total 200-
8. List of Textbooks and References:	-----
a) Course Notes	Lecture notes
b) Required Books (Textbooks)	- The modern textbooks in the field of this subject
c) Recommended Books	The modern textbooks in the field of this subject
d) Periodicals, web sites,...,etc	http://www.wekepedia.com

Course Instructor: Dr. Emsn Hsshem

Head of Department: Prof . Karoline Kamel AbdEl-Aziz

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