



Course specification

University/Academy: Damanhour

Faculty/Institute: Science

Department: Zoology

1. course Data:		
Course code: Zool 306	Course title: Invertebrates 2	Academic year 2009-2010 level: (second term) / 3 rd year
Specialization: Special Zoology	No. of instructional units: lecture <input type="text" value="2---"/> practical <input type="text" value="3---"/>	

2. course Aim	This course will enable students to: <ul style="list-style-type: none">• Know the diagnostic features and the basis of classification of major and minor phyla of Chelicerata, Crustacea, Myriapoda, Tardigrada, Pentastomida, Mollusca, Echinodermata.
3. Intended learning outcome	
a) Knowledge and understanding	by the end of the course, students will be able to: A1 :Define the classification and list the general character of major and minor phyla of Chelicerata, Crustacea, myriapoda, Tardigrada, Pentastomida, Mollusca, Echinodermata. A2 : Identify the classes of the above phyla and the various types of samples upon their taxonomical variation
b) Intellectual skills	By the end of the course, students will be able to: B1 :apply the taxonomical rules and demonstrate Knowledge of the classification of wide variety of invertebrates specimens.



	B2 : compare between different genera of invertebrate .
c) Professional skills	By the end of the course, students will be able to: C1: elicit the differences between invertebrate animals. C: dissect and classify the samples.
d) General skills	By the end of the course, students will be able to: D1: write reports with the standard scientific guidelines. D2: use internet and other electronic sources as a source of information . D3: Exchange ideas, principles and information by oral, written and visual means.
4. course content	<ul style="list-style-type: none"> • Phylum Chelicerata • Phylum Crustacea • Phylum Myriapoda. • Phylum Tardigrada • Phylum Pentastomida • Phylum Mollusca • Phylum Echinodermata.
5. Teaching and learning methods	1. Lectures. 2. practical work.
6. teaching and learning methods for students with special needs	-----
7. Student Assessment	
a) Procedures used:	1. Mid term exam. 2. Final Practical exam. 3. Final written exam.



b) Schedule:	- Assessment 1: Mid term exam Assessment 2 Practical exam: Assessment 3:Final written exam
c) Weighing of Assessment:	Mid-Term Examination: 10 Final-Term Examination: 100 Practical Examination: 30 Semester Work: 10 <hr/> Total 150
8. List of Textbooks and References:	
a) Course Notes	-----
b) Required Books (Textbooks)	-----
c) Recommended Books	-Barnes, R.S.K. :”Kingdom animalia”. In Asynoptic classification of living organisms. Blachwell scientific publication 1984. -Cheng ,T.C. General Parasitplogy .New York Academic Press ,1973 . - Smyth , J.D. Animal parasitology 3nd Ed. Cambridge University Press 1996
d) Periodicals, web sites,...,etc	www.mhhe.com www.blackwellpublishing.com

Course Instructor: Dr.Amal Abbas

Head of Department: Prof. Karoline Kamel Abdel Aziz

Date: -----/-----/2011