



Course Specifications

Course Title:	Principles of Animal Taxonomy
Course Code:	2013201-2
Program:	Bachelor in Zoology
Department:	Biology Department
College:	College of Sciences
Institution:	Taif University

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A. Course Identification

1. Credit hours: 2hr
2. Course type
a. University <input type="checkbox"/> College <input type="checkbox"/> Department <input checked="" type="checkbox"/> Others <input type="checkbox"/>
b. Required <input checked="" type="checkbox"/> Elective <input type="checkbox"/>
3. Level/year at which this course is offered: 8 th level – 3 rd year
4. Pre-requisites for this course (if any): General Zoology 2012104-3
5. Co-requisites for this course (if any): None

6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	3hours /Week	100%
2	Blended	-	-
3	E-learning	-	-
4	Distance learning	-	--
5	Other	-	

7. Contact Hours (based on academic semester)

No	Activity	Contact Hours
1	Lecture	15
2	Laboratory/Studio	45
3	Tutorial	-
4	Others (specify)	-
	Total	60

B. Course Objectives and Learning Outcomes

<p>1. Course Description:</p> <p>This course develops concepts in animal taxonomy and systematic, modern methods of taxonomy and systematics and their application, general organization, affinities and systematic position of animal phyla and molecular basis of animal taxonomy.</p>
<p>2. Course Main Objective:</p> <p>By the end of this course, the student acquires an appropriate background about the principles of systematic zoology and the phylogenetic systematic, basics of animal classification, general characteristics of major animal groups as well as specific characteristics of animal phyla.</p>

3. Course Learning Outcomes

CLOs		Aligned PLOs
1	Knowledge and Understanding:	
1.1	Recall principles, scientific terminology and concepts across animal taxonomy and other related biological sciences.	K1
1.2	Outline the general characteristics that have shaped the method of classification of different animal groups	K2
2	Skills:	

CLOs		Aligned PLOs
2.1	Investigate relatively complex scientific problems, facts and opinions related to animal taxonomy.	S2
2.2	Utilize basic concepts of taxonomy in economic and environmental approaches.	S3
3	Values:	
3.1	Demonstrate personal organization and leadership to work individually or in group.	V1

C. Course Content

No	List of Topics	Contact Hours
1	Chapter 1: Introduction to taxonomy, stages of taxonomy, importance of taxonomy, Principles and rules of taxonomy, zoological nomenclature, ICZN regulations, new trends in taxonomy.	2L+6P
2	Chapter 2: Problems of taxonomists concept of speciation, taxonomic collections, identification and description, general organization, affinities and systematic position of major phyla. molecular basis of animal taxonomy.	2L+6P
3	Chapter 3: Kingdom Animalia, general characters – taxonomy/phylogeny – representative examples, protozoa, sponges, Cnidaria and Ctenophora.	1L+3P
4	Chapter 4: Phylum Platyhelminthes, Nematoda, general characters – taxonomy/phylogeny – representative examples.	2L+6P
5	Chapter 5: Phylum: Annelida, general characters – taxonomy/phylogeny – representative examples.	2L+6P
6	Chapter 6: Phylum: Arthropoda: general characters – taxonomy/phylogeny – representative examples.	2L+6P
7	Chapter 7: Phylum: Mollusca, Echinodermata, general characters – taxonomy/phylogeny – representative examples.	2L+6P
8	Chapter 8: Phylum: Chordata, general characters – taxonomy/phylogeny – representative examples.	2L+6P
Total		

D. Teaching and Assessment

1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
1.0	Knowledge and Understanding:		
1.1	Recall principles, scientific terminology and concepts across animal taxonomy and other related biological sciences.	Lectures	Written exams
1.2	Outline the general characteristics that have shaped the method of classification of different animal groups	Lectures	Written exams
2.0	Skills:		

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
2.1	Investigate relatively complex scientific problems, facts and opinions related to animal taxonomy.	Lectures Lab activities	Written exams Practical reports
2.2	Utilize basic concepts of taxonomy in economic and environmental approaches.	Lectures Lab activities	Written exams Practical exam
3.0	Values:		
3.1	Demonstrate personal organization and leadership to work individually or in group.	Small group activities Interactive learning Open Dissection	Assignments

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Assignments and activities: 1- Written Assignment Power-point presentation	Variable	10
2	Midterm Exam	8 th	20
3	Periodic Exam	12 th	10
4	Practical Reports	Continuou s	15
5	Final Practical Exam	15 th	5
6	Final Exam	16 th	40

*Assessment task (i.e., written test, oral test, oral presentation, group project, essay, etc.)

E. Student Academic Counseling and Support

Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice:

6 hours per week (as defined in the teaching schedule of the faculty member) for academic advice and consultations.

Teaching staff is also available using Blackboard web site and Taif University “Edugate” System.

F. Learning Resources and Facilities

1. Learning Resources

Required Textbooks	1- Barnes, R.S.K. (1984): Kingdom animalia. In Asynoptic classification of living organisms. Blachwell scientific publication. 2- Kapoor V.C. (2003): Theory and Practice of Animal Taxonomy, Oxford and IBH Publ., Delhi.
Essential References Materials	اينست ماير وآخرون (١٩٨٥): طرق و أسس علم تصنيف الحيوان. مكتبة الانجلو المصرية - القاهرة
Electronic Materials	Blackboard website; Website of Saudi digital Library

Other Learning Materials	Computer-based programs and professional software
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2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	Classrooms, laboratories, demonstration rooms/labs, etc.)
Technology Resources (AV, data show, Smart Board, software, etc.)	Classrooms not exceeds on 30 students
Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	Data show.

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Effectiveness of teaching and assessment	Students	Indirect
Quality of learning resources	Peer Reviewer Students	Direct Indirect
Extent of achieving the course learning outcomes	Peer Reviewer Students	Direct Indirect

Evaluation areas (e.g., Effectiveness of teaching and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)

Evaluators (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

Assessment Methods (Direct, Indirect)

H. Specification Approval Data

Council / Committee	Biology Department
Reference No.	Committee number - 14 - Academic Year 1442-1443H
Date	22-5-2022G--23-10-1443 H

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