



Course Specifications

Amphibia & Reptilia 2014102-3

Course Title:	Amphibia and Reptilia
Course Code:	2014102-3
Program:	Bachelor in Zoology
Department:	Biology Department
College:	Faculty of Sciences
Institution:	Taif University

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A. Course Identification

1. Credit hours: 3h
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: 10th Level/4th year
4. Pre-requisites for this course (if any): Vertebrates 2013204-3-3
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	6 hours /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	30
2	Laboratory/Studio	30
3	Tutorial	--
4	Others (specify)	--
	Total	60

B. Course Objectives and Learning Outcomes

<p>1. Course Description: Introduction to Herpetology- Reptile and Amphibian Origins & Evolutionary History Classification of Amphibians and Reptiles- Anatomy of Amphibians and Reptiles- Ecology and Physiology of Reptiles and Amphibians- Reproduction, Life History, and Reproductive Modes of Amphibians and Reptiles- Spacing, Movements, Orientation and Communication of Amphibians and Reptiles- Foraging and Diets of Amphibians and Reptiles- Defence and Escape of Amphibians and Reptiles- Biogeography, Conservation and Management</p>
<p>2. Course Main Objective: The student will be able to understand the evolutionary history and phylogenic origins of major groups of amphibians and reptiles; to explain the taxonomy, systematic relationships, patterns of distribution and ecology of many of the amphibian and reptile families of the world through defining field and lab identification techniques and methods used for sampling reptile and amphibian populations</p>

3. Course Learning Outcomes

CLOs		Aligned PLOs
1	Knowledge and Understanding:	
1.1	Identify general characters of Amphibia & Reptilia including anatomical and osteological ones.	K1
1.2	Recognize the major conservation issues and proper management of amphibian and reptile populations	K2
2	Skills:	
2.1	Explain the taxonomy, systematic relationships, patterns of distribution and ecology of many of the amphibian and reptile families of the world.	S1
2.2		
3	Values:	
3.1	Use computers and internet in collecting more advanced biological data on different species of Amphibia and Reptilia	V1
3.2	Organize scientific information in a team-work report.	V2

C. Course Content

No	List of Topics	Contact Hours
1	Introduction To Herpetology	2L+3P
2	General Characters of Amphibia & Classification of Amphibia	2L+3P
3	Respiration in Amphibia& Feeding and Digestion in Amphibia	2L+3P
4	Reproduction in Amphibia	2L+3P
5	General Characters of Reptila	2L+3P
6	Midterm exam and Revision	2L+3P
7	Classification in Reptila	4L+6P
8	Feeding and Digestion in Reptila	2L+3P
9	Respiration and Reproduction in Reptila	2L+3P
10	Biodiversity in Amphibia and Reptila & Differences between Amphibia and Reptila	2L+3P
Total		30L +30P

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	Identify general characters of Amphibia & Reptilia including anatomical and osteological ones.	Lectures-Labs- Discussions- Homework-Benefits of internet- Scientific media	Written exams
1.2	Recognize the major conservation issues and proper management of amphibian and reptile populations	Lectures-Labs- Discussions- Homework-Benefits	Written exams

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
		of internet- Scientific media	
2.0	Skills:		
2.1	Explain the taxonomy, systematic relationships, patterns of distribution and ecology of many of the amphibian and reptile families of the world.	Lectures-Labs- Discussions- Homework-Benefits of internet- Scientific media	Written exams
2.2			
3.0	Values:		
3.1	Use computers and internet in collecting more advanced biological data on different species of Amphibia and Reptilia.	Student presentation- Scientific media- Benefit of internet- Team work	Final practical exam- Activities Evaluation
3.2	Organize scientific information in a team-work report	Team work- Homework-student presentation- reporting- Scientific media- Training on scientific drawing, reading slides and reporting-Lab work	Final practical exam- Activities Evaluation

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Assignments and activities: 1- Written Assignment 2- Power-point presentation	Variable	10
2	Midterm Exam	5 th	20
3	Periodic Exam	7 th	10
4	Practical Reports	Continuous	15
5	Final Practical Exam	11 th	5
6	Final Exam	12 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 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	<ul style="list-style-type: none"> Conant, R. and J.T. Collins. 1998. Reptiles and Amphibians: Eastern/Central North America. Houghton Mifflin Company
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	<ul style="list-style-type: none"> • Pough, F.H., R.M. Andrews, M.L. Crump, A.H. Savitzky, K.D. Wells, and M.C. Brandley. 2015. Herpetology. 4th Edition. Sinauer. • Mona F. Abdel-Rahman (1992): Comparative Anatomy of Vertebrates, Academic Library, Cairo, Egy. (In Arabic). • Ahmed H. and Emel S.D. (2002): Practical Animal Biology Part II. Dar Al-Maaref, Cairo, Egy. (In Arabic) • .
Essential References Materials	A Field Guide to the Reptiles and Amphibians: Eastern/Central North America, 3rd ed. Expanded. (1998).By Roger Conant, and Joseph T. Collins. Boston: Houghton-Mifflin
Electronic Materials	<ul style="list-style-type: none"> • Teaching materials of vertebrate.com • http://labs.devbio.com/. An interactive Web application that explores the many aspects of developmental biology <p>Tyler, M.S., and R.N. Kozlowski, 2010. <i>DevBio: Vade Mecum3</i>. Sinauer Assoc., Inc. Sunderland, MA. A 6-hour interactive Web application with pictures and videos that cover the development of the model organisms used in developmental biology, and techniques used in studying these organisms.</p>
Other Learning Materials	<ul style="list-style-type: none"> • PPT-files and movies for teaching embryology • CD on DevBio Laboratory: Vade Mecum

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	Lecture rooms- zoology laboratories
Technology Resources (AV, data show, Smart Board, software, etc.)	Laptop- data show
Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	Incubators- chemicals

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Effectiveness of teaching and assessment	Students	Indirect
Quality of learning resources	Program committee Staff members Students	Indirect
Extent of achieving the course learning outcomes	Staff members 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
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Reference No.	Committee number 14 - Academic Year 1442-1443H
Date	22 5 2021G – 23-10-1443H

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