



## Course Specifications

<b>Course Title:</b>	General Zoology
<b>Course Code:</b>	2012104-3
<b>Program:</b>	Bachelor in Zoology
<b>Department:</b>	Biology Department
<b>College:</b>	College of Sciences
<b>Institution:</b>	Taif University

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## A. Course Identification

<b>1. Credit hours:</b> 3 hr
<b>2. Course type</b>
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"/>
<b>3. Level/year at which this course is offered:</b> 4 <sup>th</sup> Level / 2 <sup>nd</sup> year
<b>4. Pre-requisites for this course (if any):</b> General Biology 201104-4
<b>5. Co-requisites for this course (if any):</b> None

## 6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	6hours /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)	-
	<b>Total</b>	<b>60</b>

## B. Course Objectives and Learning Outcomes

<b>1. Course Description:</b> This course deals with studying fields of Zoology, ultra-structure of animal cell, animal tissues, introduction to animal physiology, animal reproduction, embryology as well as principles of animal ecology.
<b>2. Course Main Objective:</b> By the end of this course, the student can enumerate fields and branches of Zoology, recognize ultra-structure of animal cell, different types of animal tissues, main principles of animal physiology and animal reproduction as well as embryology and ecology.

## 3. Course Learning Outcomes

CLOs		Aligned PLOs
1	<b>Knowledge and Understanding:</b>	
1.1	Identify different branches, applications, laws and concepts of zoology.	K1
1.2	Classify different animal groups and different types of tissues.	K2

CLOs		Aligned PLOs
<b>2</b>	<b>Skills:</b>	
2.1	Utilize basic concepts of zoology and ecology in economic and environmental approaches.	S3
2.2	Illustrate functions of various macromolecules in different animal tissues and animal systems.	S4
<b>3</b>	<b>Values:</b>	
3.1	Use communication skills appropriate for different audiences.	C3

### C. Course Content

No	List of Topics	Contact Hours
1	<b>Chapter 1:</b> Introduction to fields and branches of Zoology and its history	3L+3P
2	<b>Chapter 2:</b> Ultrastructure and chemical structure of the animal cell <i>A : chemical structure of the animal cell</i>	3L+3P
3	<i>B : Ultrastructure of the animal cell</i>	3L+3P
4	Chapter 3: Types of cell division	3L+3P
5	Chapter 4: Types of animal tissues Epithelial tissues & Connectives Tissues	3L+3P
6	Connectives Tissues & Specialized Connectives Tissues	3L+3P
7	Chapter 5: Reproduction and development	
8	Chapter 6: Introduction to animal ecology	3L+3P
9	Chapter 7: Introduction to animal physiology Respiratory system & : Digestive System	3L+3P 3L+3P
10	C: Circulatory system & Skin and its Derivatives	3L+3P
<b>Total</b>		<b>30L+30P</b>

### D. Teaching and Assessment

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

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
<b>1.0</b>	<b>Knowledge and Understanding:</b>		
1.1	Identify different branches, applications, laws and concepts of zoology.	Lectures Interactive learning	Paper-based exams
1.2	Classify different animal groups and different types of tissues.	Lectures	Paper-based exams
<b>2.0</b>	<b>Skills:</b>		
2.1	Utilize basic concepts of zoology and ecology in economic and environmental approaches.	Small group activities Open Discussions	Practical reports Practical exam

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
2.2	Illustrate functions of various macromolecules in different animal tissues and animal systems.	Student presentation Small group activities	Practical exam Assignments
3.0	<b>Values:</b>		
3.1	Use communication skills appropriate for different audiences.	Student presentation Small group activities	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	5 <sup>th</sup>	20
3	Periodic Exam	7 <sup>th</sup>	10
4	Practical Reports	Continuou s	15
5	Final Practical Exam	11 <sup>th</sup>	5
6	Final Exam	12 <sup>th</sup>	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

<b>Required Textbooks</b>	Al-Banhawy, M.A. et al. (2008). Zoology.Dar Al-Maraf, Cairo, Egypt (In Arabic).
<b>Essential References Materials</b>	Cleveland P Hickman, Jr.; Larry S Roberts; Susan L Keen; David J Eisenhour; Allan Larson; Helen I'Anson (2017). Integrated Principles of Zoology, Seventeenth Edition. Mosby-Year Book, Inc., St. Louis, MO.
<b>Electronic Materials</b>	Blackboard website; Website of Saudi digital Library
<b>Other Learning Materials</b>	Computer-based programs and professional software

### 2. Facilities Required

Item	Resources
<b>Accommodation</b>	- Classrooms for 40 students\lecture. - Laboratory for 20 students\ lab activity

Item	Resources
(Classrooms, laboratories, demonstration rooms/labs, etc.)	
<b>Technology Resources</b> (AV, data show, Smart Board, software, etc.)	- Data show.
<b>Other Resources</b> (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	- Slide projector. - Permanent slides. - Preserved specimens

## 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

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

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