

## Course Syllabus

1	<b>Course title</b>	Practical General Zoology
2	<b>Course number</b>	5501254
3	<b>Credit hours (theory, practical)</b>	3 (theory 1 Credit hours,3 Credit hours)
	<b>Contact hours (theory, practical)</b>	(10-11) am Thu
4	<b>Prerequisites/corequisites</b>	5501253
5	<b>Program title</b>	B Sc of Biological Sciences
6	<b>Program code</b>	01
7	<b>Awarding institution</b>	The University of Jordan\ Aqaba branch
8	<b>School</b>	Faculty of Basics and Marine Sciences
9	<b>Department</b>	Department of Marine Biology
10	<b>Level of course</b>	2 <sup>nd</sup> academic year
11	<b>Year of study and semester (s)</b>	1 <sup>st</sup> semester of academic year 2019/2020
12	<b>Final Qualification</b>	NA
13	<b>Other department (s) involved in teaching the course</b>	None
14	<b>Language of Instruction</b>	English language
15	<b>Date of production/revision</b>	10-2019

### 16. Course Coordinator:

Amirah Riyati, office number 327, official hour (10–11 am)Thu, tel: 0096232090450 Ext 35049

e-mail: [a.riyati@ju.edu.jo](mailto:a.riyati@ju.edu.jo)

### 17. Other instructors:

No found.

### 18. Course Description:

The practical part deals with the identification of vertebrate & invertebrate organisms classification structure and function anatomy

### 19. Course aims and outcomes:

A- Aims:

1. To investigate the unicellular eukaryotic organisms belonging to the Kingdom Protista, which possess animal-like properties.
2. To be aware of levels of organization of animals and criteria used for categorization of organisms belonging to the kingdom Animalia.
3. To systematically analyze phyla of the kingdom Animalia.
4. To have knowledge about morphology, anatomy, physiology and ecology of animals belonging to each phylum with a focus on some prominent examples on each phylum.
5. To recognize the phylum of animal kingdom and identifying the behaviour per each.

B- Intended Learning Outcomes (ILOs): Upon successful completion of this course students will be able to

- 1- Recognize of the evolution and development of eukaryotic cell
- 2- Find the differences between protozoa(Protista kingdom) and (Animal kingdom)
- 3- Identify for animal kingdom taxonomy
- 4- Recognize the features, properties, behaviour for each phylum in Animal kingdom
- 5- Develop an understanding of levels of organization and classification of organisms.
- 6- Differentiate among protistan and animal life cycles, behaviours, adaptations, and relationships.
- 7- Have a substantial interest in the discipline zoology.
- 8- Appreciate the role of other organisms, which share our planet.
- 9- Scientifically draw animals mounted on microscopic slides and prepared by different microscopic techniques.
- 10- Identify aquatic and terrestrial animals encountered on a daily basis.
- 11- Recall major morphological characteristics of invertebrate and vertebrate organisms and recognize functions of at least major external animal parts.
- 12- Recall ecological, economical and medical, if present, significance of animals.

**20. Topic Outline and Schedule:**

Topic	Week	Instructor	Achieved ILOs	Evaluation Methods	Reference
Chapter 1 Animal cell, animal Development	2 <sup>nd</sup> w	Amirah Riyati	Recognize of the evolution and development of eukaryotic cell	Report Quiz Assignment	<b>Integrated Principles of Zoology,</b> 2008,14 <sup>th</sup> edition, By Hickman Jr., C. Keen, S., Larson, A., Eisenhour, D., l'Anson, H. and Roberts, L. Publisher: McGraw- Hill.
Chapter 2 animal tissue & Protozoa	3 <sup>rd</sup> w	Amirah Riyati	Find the differences between protozoa(Protist a kingdom) and (Animal kingdom)	Report Quiz Assignment	
Chapter 3 Proifera	4 <sup>th</sup> w	Amirah Riyati	1- Have a substantial interest in the	Report Quiz Assignment	
Chapter 4 Cniderian	5 <sup>th</sup> w	Amirah Riyati	discipline zoology. 2- Appreciate	Report Quiz Assignment	

Chapter 5 Mollusca	6 <sup>th</sup> w	Amirah Riyati	the role of other organisms, which share our planet. 3- Scientifically draw animals mounted on microscopic slides and prepared by different microscopic techniques. 4- Identify aquatic and terrestrial animals encountered on a daily basis. 5- Recall major morphological characteristics of invertebrate and vertebrate organisms and recognize functions of at least major external animal parts. 6- Recall ecological, economical and medical, if present, significance of animals.	Report Quiz Assignment		
Chapter 6 Nematode	7 <sup>th</sup> w	Amirah Riyati		Report Quiz Assignment		
Chapter 7 Platyhelminthes	8 <sup>th</sup> w	Amirah Riyati		Report Quiz Assignment		
Chapter 8 Echinoderms	9 <sup>th</sup> w	Amirah Riyati		Report Quiz Assignment		
Chapter 9 Annelida	10 <sup>th</sup> w	Amirah Riyati		Report Quiz Assignment		
Chapter 10 Arthropoda	11 <sup>th</sup> w	Amirah Riyati		Report Quiz Assignment		

## 21. Teaching Methods and Assignments:

Development of ILOs is promoted through the following teaching and learning methods:  
Lecturing and discussions throughout the semester  
Handling directly with organism specimens in the laboratory  
PowerPoint presentation and movies  
Office Hours

## 22. Evaluation Methods and Course Requirements:

Opportunities to demonstrate achievement of the ILOs are provided through the following assessment

methods and requirements:

30% report

10% Quiz

20% Midterm exam

40% Final term exam

### 23. Course Policies:

A- Attendance policies:

Absence from lectures should not exceed 15%. Students who exceed the 15% limit without a medical or emergency excuse acceptable to and approved by the Dean of the relevant college/faculty shall not be allowed to take the final examination and shall receive a mark of zero for the course.

B- Absences from exams and handing in assignments on time:

You should talk to your instructor as soon as possible if you miss an exam. All such cases will be dealt with according to the rules outlined in your student handbook, the assignment and report must be delivered on time.

C- Health and safety procedures:

1- Wear a lab coat to protect your clothing during the laboratory session, (No Entering to the Lab without Wearing Lab Coat).

2- Deal with machines, glass wares & chemicals very carefully.

D- Honesty policy regarding cheating, plagiarism, misbehaviour:

All violations pertaining to cheating, plagiarism, misbehaviour will be dealt with in accordance to the rules outlined in your student handbook.

E- Grading policy:

All exams are made up of the following question forms: multiple choice questions, True or False questions, matching questions, drawings and labelling questions, diagramming developmental cycles, short essay questions, "fill in the blank" questions.

30% report

10% Quiz

20% Midterm exam

40% Final term exam

F- Available university services that support achievement in the course:

### 24. Required equipment: ( Facilities, Tools, Labs, Training....)

Data show projectors

Microscopes

Permanent slides of organisms

Specimens

Charts

Models

### 25. References:

Required book (s), assigned reading and audio-visuals:

**Integrated Principles of Zoology**, 2008, 14<sup>th</sup> edition, By Hickman Jr., C. Keen, S., Larson, A., Eisenhour, D., I'Anson, H. and Roberts, L. Publisher: McGraw-Hill.

Recommended books, materials, and media:

**"Laboratory Studies in Integrated Principles of Zoology"**. 2006. 13th Edition.

By Hickman Jr., C. and Kats, L. B. Publisher: McGraw-Hill.

1. **Biology of the Invertebrates**. Pechenik, J.A. 2010. 6th Edition. Publisher: McGraw-Hill.

**26. Additional information:**

None

Name of Course Coordinator: Amirah Riyati Signature: ----- Date: -----

Head of curriculum committee/Department: Dr. Zaineb arabyat Signature: -----

Head of Department: Dr. Zeinab Arabeyyat Signature: -----

Head of curriculum committee/Faculty: ----- Signature: -----

Dean: Prof. Riyad Manasrah Signature: -----