هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission
اعتماد
NCAAA
2024
TP-153

Course Specification
(Bachelor)

Course Title:	**Animal Taxonomy**
Course Code:	**Biol 418**
Program:	**Biology**
Department:	**Biology Department**
College:	**College of Science**
Institution:	**Majmaah University**
Version:	**Third**
Last Revision Date:	**07/10/2023**

Table of Contents

A. General information about the course:

1. Course Identification

1. Credit hours: 2 (2+0)					
Equivalent to ECTS Credit Point: 3					
2. Course type					
A.	☐University	☐College	☒ Department	☐Track	☐Others
B.	☒ Required		☐ Elective		
3. Level/year at which this course is offered: (4th level / 2nd year)					
4. Course general Description:					
This course shows the definition, basic concept, and importance of taxonomy concepts of different conventional and newer aspects in the classification of the animal kingdom (major and minor phyla) and illustrates the evolutionary relationships between different organisms. To fulfill this, the course was designed to focus on three issues: first, obtaining knowledge about the history, general principles, and objectives of systematic zoology. Secondly, the relation of taxonomy to other branches of biology; and finally, taxonomic identification and using the taxonomic key.					
5. Pre-requirements for this course (if any):					
BIOL-215					
6. Co-requirements for this course (if any):					
N/A					
7. Course Main Objective(s):					

- **History and general principles of taxonomy.**
- **The objectives of taxonomy and the contributions of taxonomy to biology.**
- **Using taxonomic keys to classify taxonomic findings.**

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	30	75%
2	E-learning	10	25%
3	Hybrid • Traditional classroom • E-learning	--	--
4	Distance learning	--	--

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	**Lectures**	30
2.	**Laboratory/Studio**	--
3.	**Field**	--
4.	**Tutorial**	--
5.	**Others (specify)**	--
Total Contact hours		30

Workload (based on the academic semester)

No	Activity	Workload (in hours)
1.	**Contact Hours**	30
2.	**Self-study hours or Academic learning hours** (Assignment, Quizzes, Reports, Discussions, Library, Research, …)	30
Total Workload		60 hours
Equivalent to ECTS Credit points		3

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	**Knowledge and understanding**			
1.2	Classify living organisms matching with the taxonomic features and their ecological parameters.	K2	▪ Lecture Notes ▪ Power Point Presentation ▪ Individual and group discussion.	▪ Assignments ▪ Quizzes ▪ Midterm and final exams
…				
2.0	**Skills**			
2.1	Discussing the development and nature of the current system of zoological nomenclature.	S1	▪ Lecture Notes ▪ Power Point Presentation ▪ Individual and group discussion.	▪ Assignments ▪ Quizzes ▪ Midterm and final exams
2.2				
…				
3.0	**Values, autonomy, and responsibility**			
3.1	Communicate and work effectively in groups as	V1	Students will practice as groups (team work)	Assessment of team assignment

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
	well as individually to differentiating the various concepts of animal Taxonomy.			presentation and reports.
3.2				
...				

C. Course Content

No	List of Topics	Contact Hours
1.	Introduction to Animal Taxonomy.	2
2.	Taxonomy, its history & functions	2
3.	The tasks of the taxonomist	2
4.	Levels of taxonomy	2
5.	The relation of taxonomy to other branches of biology	2
6.	Taxonomy & its importance	2
7.	Taxonomy identification	2
8.	Identification using Taxonomic Key	2
9.	Taxonomy Classification	2
10.	Approaches in taxonomy	2
11.	History of Nomenclature	2
12.	The nature of Scientific names	2
13.	Synonyms and Homonyms	2
14.	The Law of Priority (the valid name)	2
15.	Rejection of names	2
Total		30

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	**Group project & essays**	**Week 1-10**	**10 %**
2.	**Mid-term Exam 1**	**Week 5**	**15 %**
3.	**Bb electronic exam**	**Week 9**	**15 %**

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
4.	Mid-term Exam 2	Week 8-10	15 %
5.	Oral presentation	Week 12	5 %
6.	Final Exam	Week 16	40 %

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	•Ashok Verma 2015, "Principles of Animal Taxonomy". Publisher: Alpha Science, ISBN-13: 978-1842659441 •Ernst Mayr and Peter D. Ashlock 1991, "Principles of Systematic Zoology" Subsequent Edition, ISBN-13 : 978-0070411449
Supportive References	•George Gaylord Simpson 1961, "Principles of Animal Taxonomy" (Biological S) UK ed. Edition, ISBN-13: 978-0231024273. •V. C. Kapoor 2001, "Principles and Practices of Animal Taxonomy" 2nd Edition, ISBN-13: 978-1578081967
Electronic Materials	• Saudi Digital Library https://www.sdl.edu.sa/SDLPortal/Publishers.aspx • https://a-z-animals.com/reference/animal-classification/
Other Learning Materials	Videos, slides and presentations that are available with the instructor.

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	• The number of seats in classrooms and lab. is suitable and no need for extra seats. • The classrooms are provided with smart board and e-podium and laboratories are provided with smart board.
Technology equipment (projector, smart board, software)	The classrooms are provided with smart board and e-podium
Other equipment (depending on the nature of the specialty)	The department needs a computer room containing at least 30 systems for Bb exams and e-learning.

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Students	Indirect
Effectiveness of Students assessment	Program Leaders	Indirect
Quality of learning resources	Faculty	Direct
The extent to which CLOs have been achieved	Program Leaders	Direct
Other		

Assessors (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)
Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	**DEPARTMENT COUNCIL**
REFERENCE NO.	**7**
DATE	**4/4//1446 (07/10/2024)**