Department of Biology

College of Science

Salahaddin university-Erbil

Subject: Zoology

Course Book – *1st Year*

Lecturer's name: Asst. Prof. Hana Hashim Mohammad

Dr. Fairuz H. Abdullah

Academic Year: 2022-2023

Course Book

1. Course name	**Zoology**
2. Lecturers in charge	**Asst. Prof. Hana Hashim** **Dr. Fairuz H. Abdullah**
3. Department/ College	**Department of Biology /College of Science**
4. Contact	**e-mail:** **hana.mohammad@su.edu.krd** **fairuz.abdullah@su.edu.krd**
5. Time (in hours) per week	**Theory: 2**
6. Office hours	**To be Return to the schedule on the office door**
7. Course code	
8. Teacher's academic profile **Dr. Fairuz H. Abdullah**	I placed myself to Rizgary Teaching Hospital from 24.09.2020 to 24.09.2021. I became Lecturer on 13.01.2020. I have completed PhD. degree in Biotechnology on 05.12.2019. In 2015, I applied for studying PhD with IELTS band score 6.5 (Academic) and I was the only applicant with this score. I became PhD student in the speciality of Biotechnology with the rank 4th over the PhD applicants of my department. During the first semester of academic year 2016-2017, I took (Practical Biotechnology), I also taught soil microbiology second course of academic year (2016-2017) and I was teaching Practical Biotechnology during the first semester of this academic year (4th stage), and teaching practical Molecular Biology (3rd stage) the second semester along with being a PhD student. I also worked as a Member of the Examination Committee for College of Science/ Control in the

Hana Hashim	academic year 2014-2015. I graduated from Salahaddin University in 2009 (Ranked 2nd on collage/ 1st on Biology dept.). I worked as assistant biologist during 2009-2010. I worked in the labs of General Microbiology, Environmental Microbiology as well as Microtechniques. In 2013 I got my MSc. degree in Molecular Microbiology and started working as Assistant Lecturer. At first I was teaching Entomology for one year and a half, and then I took the subject of my speciality (Practical Molecular Techniques). I graduate from Salahaddin University in 1992 (Ranked 5th in collage). In 1995 I finished my MSc degree and started as Assistant Lecturer Teaching Practical Parasitology, Practical Entomology, and Practical Invertebrate Biology At 2013 I got Assistant prof. degree, from that time, I am in charge of teaching Entomology theory for 4th class students at Environmental Science Department, and teaching Entomology theory for 3rd class students in Biology department, Supervising Entomology Practical Laboratory, supervising graduate students
9. Keywords	

10. Course objective:

The purpose of taking this course is to learn the basic concepts and principles of biology and zoology.

. Student's obligation

Exam policy: Student should get at least 2 exam during the course (semester). There will be no make-up exams for absence students without medical report.

Classroom polices:

1- Attendance: You are strongly encouraged to attend class on a regular basis, as participation is important to your understanding of the material. This is your opportunity to ask questions. **Students are responsible for obtaining any information they miss due to absence.**

2- **Lateness:** Lateness to class is disruptive

3- **Electronic devices:** All cell phones are to be turned off at the beginning of class and put away during the entire class.

4-**Talking:** During class please refrain from side conversations. These can be disruptive to other students and the professor, and not Disrespectful to both the professor and to other students

12. Forms of teaching

Coursebook, PowerPoint, board and video.

13. Assessment scheme

The students are required to do one closed book exam at the mid of the semester besides other assignments including translations and one research paper. The exam has 25 marks, the attendance, classroom activities; translations and research paper count 10 marks. There will be a final exam on 60 marks. So that the final grade will be based upon the following criteria:

- Practical Examination: 35
- Theory examination: 15
- Final examination theory: 50

Weeks	**Lecture Topics**
1st week	**Course book ,Introduction and essential terms**
2nd week	**Chemistry of Life** 1.Water and Life 2. Macromolecules
3rd week	**Cells as units of life** 1. Cell concept 2. Organization of cells
4th week	**Cellular metabolism** 1. The role of enzymes 2. Enzyme regulation

	3. Cellular respiration
	Exam
5th week	**Activity of Life** **1**-Support, Protection, and Movement
6th week	**2-** Homeostasis: Osmotic Regulation, Excretion, and Temperature Regulation
7th week	**3-** Homeostasis: Internal Fluids and Respiration
8th week	**4-** Digestion and Nutrition
9th week	**5**-Nervous Coordination: Nervous System and Sense Organs
	Exam
10th week	**6-** Chemical Coordination: Endocrine System
11th week	**Immunity**
12th week	**Animals and Their Environments**
13th week	**Animal Distributions**