

**Course Handbook**

Ministry of Higher Education and Scientific research

Salahaddin University- Erbil

College of Education/ Shaqlawa

Biology Department

Third Class Students

Subject: **Ecology**

Academic Year: 2022-2023

Lecturer's name:

Lec. Peshraw abdulkarem Othman

**Course Book**

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| **1. Course name** | Ecology | |
| **2. Lecturer in charge** | Lec. Peshraw abdulkarem othman | |
| **3. Department/ College** | Biology Dept./ College of Education/Shaqlawa | |
| **4. Contact** | E-mail: [beshroo.othman@su.edu.krd](mailto:beshroo.othman@su.edu.krd)  Tel: 00964 750 4558317 | |
| **5. Time (in hours) per week** | Total (8) hours weekly:  Theory (2) hrs.  Lab. (6) hrs. | |
| **6. Office hours** | 2 Hours per week | |
| **7. Course code** |  | |
| 8 .Course Description:  The purpose of this course is to provide an overview of ecology from the level of individual  organisms to populations, communities, ecosystems and the biosphere. It examines the  physical, chemical, and biological components of ecological interactions, and includes  terrestrial and aquatic ecosystems.  Learning Objectives: The primary goals of this class are to have students gain:  (1) A deeper understanding of the subdisciplines in ecology, hierarchical processes, and  emergent ecological patterns.  (2) A deeper understanding of the scientific process and basic ecological methodology.  (3) An ability to interpret and evaluate ecological data.  (4) An ability to understand and evaluate advancements made through past and current  ecological research.  (5) An ability to synthesize course material and apply this knowledge to novel situations.  Course Approach: The course will be primarily lecture-based, with short interactive activities,  videos, and discussions to highlight central themes of the material. Lectures will be presented  as PowerPoint presentations and will be based on material from the textbook, the published ecological literature, and current faculty research.  Text: Molles, M.C. Jr. 2015. Ecology, Concepts and Applications, 7th Ed. WCB/McGraw-Hill  Grades: Attendance to class meetings is expected. Grades will be calculated based on  four lecture tests (21% each; 84% total), online quizzes (8% total), and in-class  activities and outside assignments (8% total). | | |
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| **15. Course Reading List and References**    1\Wildlife Habitat Management by Brenda C. McComb  ISBN: 9781439878569  Publication Date: 2015  2\ State Wildlife Management and a Conservation by Thomas J. Ryder  ISBN: 9781421424460  Publication Date: 2018  3\Behavioural Responses to a Changing World: Mechanisms and Consequences by Ulrika Candolin,  Bob B.M. Wong  ISBN: 0199602573  Publication Date: 2012  4\ Capitalizing on Nature: Ecosystems as Natural Assets by Edward B. Barbier  ISBN: 0521189276  Publication Date: 2011 | | |
| **16. The Topics (Theory)** | | **2 hours weekly** |
| **17. Examinations:**  Seasonal Examination & Final Examination | | |
| **18. Questions Example Design:**   1. Compositional: Explain the following briefly. 2. True or false type of exams: Put (T) in front of true sentences and (F) in front of false sentences. 3. Multiple choices: From the options, chose the correct one to complete the meaning of sentences. 4. Write the differences between the following. 5. Count only. 6. Correct the following false sentences. 7. Calculate if   8. Choose the words or phrase from column B which fitted to the words in the column A: | | |
| **19. External Evaluator**    I do approve the content of this course-book. It does cover the general concepts of general virology. The topics are broad and are aimed to equip students with required knowledge to enable them to understand the viruses concept equipment in latter stages. | | |