

Department of Fish Resource and Aquatic Animals
College of Agricultural Engineering Sciences
University of Salahaddin
Course Book: Second Stage
Academic Year: 2022/2023

Course book: General Ecology

Course /Subject	General Ecology	
Hours per week	2 hours theory, 3 hours practical section	
Instructor	Asst. Lec. Iman Sherzad Ali / Theory	
Faculty/Department	<i>College of Agricultural Engineering Sciences / Fish Resources and Aquatic Animals Department</i>	
Means of Contact	Tel. 0750 4818789	e-mail: iman.ali@su.edu.krd

Course Description:

This course is designed for 2nd year students of the *Fish Resources and Aquatic Animals Department*, college of *Agricultural Engineering Sciences*, Salahadden University. Understanding General Ecology is of prime important for students. This course provides an overview of introduction about General Ecology, ecosystem, food chain and food web and ecological pyramids

Aims and objectives:

The course is designed for about three primary objectives:

- 1) To provide students with a fundamental background in General Ecology.
- 2) To acknowledge students with the main Community Interactions in ecology.
- 3) To deliver students the knowledge of ways of pond managements,

Criteria for Evaluation:

In this course students will be evaluated based on active class participation, quizzes, attendance, and exams. Missing class or arriving late to class will negatively impact student's grade.

Available Points by Category :

Points based on attendance, meaningful participation and quizzes: **5 Marks**

Tests: **10 Marks**

Final Examination: **50 Marks**

Practical section: 35 Marks

Course Content: Theory Part

- Introduction to Ecology
- Ecosystem
- Food chain and Food Web
- Ecological Pyramids
- Biogeochemical Cycles
- Succession in Ecosystems
- Population Dynamics
- Community Interactions
- Ecological Diversity
- Population regulation
- Ecological interaction
- Community patterns and biodiversity

