



Teaching plan for the Second semester form

Course Instructor	Ali Abdulhamza Al-Fanharawi				
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Title	Aquatic Ecology.				
Course Coordinator	First semester.				
Course Objective	1- Student will gain understanding of main concept in Aquatic ecology, including definition, types, process, classification etc. 2- Describe the structure of an aquatic ecosystem 3- Describe the roles of producers, consumers, and decomposers in various aquatic ecosystems and identify their trophic levels.. 4- Knowledge about current issues in water quality and water resources. 5- Feels important and responds effectively to maintain it.				
Course Description	1- We begin with the chemical and physical properties of water that fundamentally regulate the diverse nature of aquatic habitats. 2- Recognize about aquatic chemistry and factors controlling nutrient cycling. 3- Progress from small-scale stream ecology to large-scale open ocean habitat. 4- Hydrology and Physiography of Wetland Habitats. 5- Study the Coral Reefs ecology and ocean ecology .				
Textbook	-				
References	Limnoecology, Lampert and Sommer, 2007 Freshwater Ecology, Dodds and Whiles, 2010 Ocean Ecology, J. Emmett Duffy, 2021				
Course Assessment	Term Tests	Laboratory	Assess	Semester	Final Exam
	(25%)	-	(5%)	First	(70%)
General Notes					



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W	D	Topics Covered	Lab. Experiment Assignments
1		Continental Aquatic Systems	
2		Properties of Water	
3		Movement of Light, Heat, and Chemicals in Water	
4		Groundwater Habitats	
5		Wetland Habitats	
6		Flowing Water, River ecology	
7		Discussions	
8		Lakes and Reservoirs	
9		Life in Water	
10		Water Relations	
11		Species Interactions	
12		Open Ocean	
13		Coral Reefs	
14		Extreme Habitats	
15		Discussions	

Instructor Signature:

Prof. Dr. Ali Abdulhamza Al-Fanharawi

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Prof. Dr. Kolah Kani Jassim