

Ministry of Higher Education and Scientific research



Department of: Environmental Sciences and Health

College of: Science

University of: Salahaddin

Subject: Environmental Awareness

Course Book: First Stage

**Lecturer's name: Dr. Nashmeel Saeed Khudhur
(Assistant Professor) (Ph.D.)**

Dr. Tablo Abdulraheem Ahmad, (Ph.D.)- Practical

Academic Year: 2022/2023

Course Book

1. Course name	Environmental Awareness
2. Lecturer (Theory) Lecturer (Practical)	Assist. Prof. Dr. Nashmeel Saeed Khudhur (Ph.D.) Dr. Tablo Abdurraheem Ahmad (Ph.D)
3. Department/ College	Department of Environmental Sciences and Health / College of Science
4. Contact	e-mail: nashmeel.khudhur@su.edu.krd tablo.ahmed@su.edu.krd
5. Time (in hours) per week	Theory: 2. Practical: 2 (each group).
6. Office hours	
7. Course code	SE Environmental Awareness
8. Teacher's academic profile	<p>Nashmeel Saeed Khudhur</p> <ul style="list-style-type: none"> ✓ Graduated in Micro-Biology Department in Salahaddin University/ College of Science (2001-2002). ✓ Got M.Sc. in Biology Department/ Salahaddin University, (2006). ✓ Got Ph.D. in Biology Department/ Salahaddin University, (2013). ✓ Taught different subjects in the Departments of Biology and Environmental Sciences and Health Departments. ✓ Head of Quality Assurance and Curriculum Development of Environmental Sciences and Health Departments. ✓ Has 22 scientific articles. <p>Tablo Abdurraheem Ahmad</p> <ul style="list-style-type: none"> ✓ Worked as assistant lecturer for 4 years at different subjects including: General biology, Microbiology, Molecular, Eco-physiology, Environmental pollution in Soran university. ✓ Interested in bioremediation and environmental pollution. ✓ Published four scientific papers.
9. Keywords	Environmental Awareness, ...
10. Course overview:	<p>This course is designed to raise awareness about the fragility of our environment and the importance of its protection for forthcoming years. In another word, teach students how to protect the environment now and in the future. For this purpose, environmentalism concept is adapted. Thus, this course prompts the responsibility of humans to respect, protect, and preserve the natural world from its human made problems.</p>
11. Course objective:	<p>The objectives of this course are:</p> <ol style="list-style-type: none"> 1. Introduce 1st year students with scientific terminologies and software used in environmental awareness. 2. Identify the basic tools of raising awareness about the environment in the public.

3. Teach the students the methods used to perform a scientific review and research in environmental awareness course.
4. Introduce the students to ways they can apply these teaching to their future jobs.

12. Student's obligation

- ✓ Attendance will be taken in the first 5min of each lecture. During which if you are not present, you will be recorded as an absentee.
- ✓ The students are required to keep their mobile devices quiet at all times during the lectures.
- ✓ The students are expected to remain respectful and civil to their fellow students.
- ✓ Any verbal and/or written form of cheating is not tolerated.
- ✓ The exams once set, will not be postponed. You will be reminded with a note on the students' note-board several days before the exam.
- ✓ English language is used in the lectures. Students are expected to answer exam questions in English language, only.

13. Forms of teaching

PowerPoint presentation, board, videos, social media and class discussions.

14. Assessment scheme

There will be 13 classes to be completed. Student's answer will be graded according to the following scale:

Pass = 50-100, Failed = 0-49.

Grades are break down as follow:

First exam = 15 points

Second exam = 15 points

The mean of all will take as 15%. The final examination takes 50%. So the final grade would be passed upon the following criteria:

Total of the examinations = 15%

Practical mark = 35%

Final examination = 50%

Final mark will be $15\% + 35\% + 50\% = 100\%$

Practical Marks (35%)

- ✓ Mean of two practical examinations: 7%
- ✓ Daily quizzes: 7%
- ✓ Project: 21 %

15. Student learning outcome: theory

By the end of this course learners will:

- Be introduced to the principles of environmental awareness.
- Understand the meaning of some common terminology.
- Have an awareness of the impact of environmental change.
- Have an awareness of resource efficiency.
- Identify practical ways to reduce environmental impacts.
- Be able to characterize how it works and applied locally in Kurdistan.
- Understand how the Environmental awareness can be measured and predicted.
- Understand the environmental issues that we face and the causes behind them, as well as the problems caused by pollution and how they can be prevented.
- Understand environmental laws and directives.

<ul style="list-style-type: none"> ➤ Know why minimizing energy usage is important and the benefits of doing so ➤ Understand how businesses affect the environment and learn ways businesses can improve to have a more positive impact. ➤ Learn how to save energy and water. ➤ Understand the correct, safe waste management procedures. <p>Student learning outcome: practical By completing this course, the students can:</p> <ol style="list-style-type: none"> 1. Become familiarized with vocabularies used in Environmental awareness studies. 2. Be able to describe environmental awareness as a speciality. 3. Be able to characterize how it works and applied locally in Kurdistan. 4. Understand how the Environmental awareness can be measured and predicted. 	
<p>16. Course Reading List and References: Friis, Robert.H. 2019. Essentials of Environmental Health. Jones & Bartlett Learning, LLC. 410pp.</p>	
<p>17. Theory Topics:</p> <ol style="list-style-type: none"> 1. An introduction to environmental awareness 2. The environment at risk 3. Awareness about zoonotic and vector-borne diseases 4. Awareness about toxic metals and elements 5. Exam 1 6. Awareness about pesticides and other organic chemicals 7. Awareness about ionizing and nonionizing radiation 8. Water quality awareness 9. Exam 2 10. Air quality awareness 11. Solid and liquid wastes awareness 12. Food safety awareness 13. Occupational health awareness 14. Injuries with a focus on unintentional injuries 15. Exam 3 	<p>Lecturer's name</p> <p>Dr. Nashmeel Saeed Khudhur 2hour per week for theoretical lecture</p>
<p>18. Practical Topics:</p> <ol style="list-style-type: none"> 1. An introduction to Environmental awareness 2. Steps to Creating a Public Awareness Campaign 3. How to cultivate environmental awareness in schools or University 4. How to Start an Environmental Group in Your School or Community 5. Social Media as a Tool for Environment Protection 6. Exam 7. Air Pollution-Awareness Project 8. Water pollution awareness Project 9. Light pollution awareness Project 10. Noise pollution awareness Project 11. Environmental awareness Project at home 12. Environmental awareness Project at Kurdistan Environment Day 13. Seminar 14. Exam 	<p>Dr. Tablo Abdurraheem Ahmad 4 hour per week for practical lecture</p>