



Department of Environmental Science

College of Science

Salahaddin University-Erbil

Subject: Health, Safety and Environment (HSE)

Course Book – (Year 3)

Lecturer's name MSc. Faris Zaidan Jarjees

Academic Year: 2022 – 2023

Course Book

1. Course name	Health, Safety and Environment (HSE)
2. Lecturer in charge	Theory: Faris Z. Jarjees
3. Department/ College	Environmental Sciences / Science
4. Contact	e-mail: faris.jarjees@su.edu.krd Mob:
5. Time (in hours) per week	Theory: 2 hrs per week.
6. Office hours	3 hours per week.
7. Course code	

<p>8. Teacher's academic profile</p>	<p>I have a BSc degree in Environmental Science (Salahaddin University-Erbil, 2011) as well as MSc degree in Environmental Management (The University of Nottingham-UK, 2014). I've took up a lectureship at the Salahaddin University in August, 2015. I'm doing research mainly in Conservation Biology, Species Diversity, Biodiversity Survey, and Biodiversity Monitoring. I was member of Green Environment (NGO) for two years in 2013 and 2014, UK. I participated in international project (<i>CHANGE AT NEXT STOP</i>) for environmental sustainable education and addressing climate change and finding sustainable solutions with a focus on the MENA region, Bonn-Germany, 2018. I was in charge of Environmental Unit at Salahaddin University-Erbil from 2017 to 2019.</p>
<p>9. Keywords</p>	
<p>10. Course overview:</p> <p>Environmental Health:</p> <p>This course is designed to provide a comprehensive but concise discussion of each of the important environmental health areas, including energy, ecology and people, environmental epidemiology, risk assessment and risk management, chemical environment, human disease and injury, occupational health and safety, noise, radiation, accident investigation, measuring performance and auditing.</p>	
<p>11. Course Aim and Objectives:</p> <p>This course is designed to help you as HSE representative to understand and answering the following questions:</p> <ol style="list-style-type: none"> 1. Why is it important to manage safely? 2. What is your role in influencing managing safely? 3. What is risk? What is risk assessment and how they are carried out? 4. What do we mean y risk and how do you decide which risk control to use? 5. What are the key parts of a health and safety management system? 6. What are common hazards and what you can do about them? 7. Why investigate incident and how do you carry out an incident investigation? 8. How do you measure health and safety performance and safety performance? 	

12. Student's obligation

There is one lectures per week, due to the coronavirus, all lectures will be available on Moodle electronically. As planned by the College, there will be an on-campus lecture to review and revise all lectures as well as to do Q&A session. Therefore, students are strongly encouraged to ask questions or otherwise engage the instructor and guest lecturers to clarify or augment material under consideration. In addition, for each on-campus class, we recommend the students to take the lecture hand-out before attending the classroom.

13. Forms of teaching

A student must read the lecture before the class. In the class, the lectures were power-point present at the first hour of the class, inconspicuous points are clear on whiteboard, difficult idioms and tough words are also clear for the students, and then medium talk with teacher will make to discuss the theoretical aspects of the subjects. At the end of the class a short review of the lectures will make by the students while the data-show projector is switch-off in order to remind them the critical points from the lectures each week. Finally, a slide of question mark is present in order the students to ask the teacher about inconspicuous points from each lecture. The lectures will be presented mainly in English language as well as Arabic and Kurdish languages will be used if it's necessary.

14. Assessment scheme

One monthly exam = 10 marks

Report = 3 marks

Quiz = 2 marks

Total of the examinations = 15%

The final grade at the end of the year would be 50%.

15. Student learning outcome:

Students shall have the necessary knowledge about HSE to ensure their own and other people's safety during their study this course at SUE. This includes knowledge of the HSE-

concept, objectives for the HSE work and how to behave safely in laboratories and during field work. The theoretical and practical basic training on HSE shall provide the students with a basis for correct handling of unsafe act, unsafe condition or accident situation.

16. Course Reading List and References:

1. IOSH (2018) IOSH Managing Safely: Your Workbook. Version 5.0, Wigston, Leicestershire LE18 1NN, UK.
2. Phil, H. and Ed, F. (2007). Introduction to Health and Safety at Work. Third edition, Elsevier, Linacre House, Jordan Hill, Oxford , UK.

17. The Topics:

Lecturer's name

Week	Topics	Teaching staff:
		1. Faris Jarjees Lectures, 2 hours duration.

Environmental Health:

Week 1: Introducing Managing safely

Week 2: Assessing risks

Week 3: How are risk assessments carried out

Week 4: Controlling risk

Week 5: Understanding responsibilities

Week 6: Key parts of a health and safety management system

Week 7: Understanding hazards

Week 8: What can we do about common hazards

Week 9: Investigating incidents

Week 10: Carrying out an incident investigation

Week 11: Performance measurement

Week 12: Measuring health and safety performance

Week 13: Auditing

Week 14: Monthly exam

Week 15: Class revision