هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

2023
TP-153

Course Specification

Course Title:	PROFESSIONAL CERTIFICATE
Course Code:	295ENW -2
Program:	Environmental Protection Technology Diploma
Department:	Biology
College:	Applied College in Al-Aarda
Institution:	Jazan University (JU)
Version:	1st
Last Revision Date:	04\06\2024

Table of Contents

A. General information about the course:

1. Course Identification

1. Credit hours: (2)					
2. Course type					
A.	☐University	Collage☐	■ Program	☐ Track	☐Others
B.	■ Required		☐Elective		
3. Level/year at which this course is offered: (Level 4/ Year 2)					
4. Course general Description:					
The course is designed to cover the key concepts, theories and practices that are required for the environment, healthy and safety professional certificate. It presents an overview and an orientation of the professional exam and validates students' skills with insightful ideas about the test along with the best strategies needed to ace it. IT also trains the students on the skills tested on the most up – to-date prep materials available on the format of EHS professional test.					
5. Pre-requirements for this course (if any)**:**					
001 PRO-1					
6. Co-requisites for this course (if any)**:**					
None					
7. Course Main Objective(s):					
Upon completion of the course students will be able to: • Understand the principles of environmental health and define the basic concepts of this science required for EHS professional certificate. • Define infectious diseases, types and transmission the relationship between the environment and health; and the impact of the interaction between man and the environment. • Be familiar with the main environmental hazards that affect health, specifically environmental pollution. • Understand the status of environmental health and the sustainable environment goals in the Kingdom. • Acquire a good knowledge and key details of EHS professional certificate. • Build time management skills, interpersonal abilities, information and technology skills required for the EHS professional certificate.					

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	30	100
2	E-learning		
3	Hybrid • Traditional classroom • E-learning		
4	Distance learning		
5	Other (lab work)		

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	**Lectures**	30
2.	**Laboratory/Studio**	
3.	**Field**	
4.	**Tutorial**	
5.	**Others (specify)**	-
Total		30

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	**Knowledge and understanding**			
1.1	Define the principles of environmental health related to EHS certificate.	**PLO1.1**	Lecture, discussion in class.	**Direct**: Quiz and mid-term & final Exams. **Indirect**: student survey.
1.2	Identify the correlation between human and infectious diseases required for EHS professional certificate.	**PLO1.2**	Lecture, discussion in class and labs.	**Direct**: Quiz and mid-term & final Exams. **Indirect**: student survey.
1.3	Describe the evaluation of how healthy is our environment related to EHS certificate .	**PLO1.3**	Lecture, discussion in class and labs	**Direct**: Quiz and mid-term & final Exams. **Indirect**: student survey.

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
1.4	demonstrate significant knowledge and understanding related to the EHS certificate.	**PLO1.4**	Lecture, Group discussion, presentation. Test taking teams.	**Direct**: Quiz and mid-term & final Exams. **Indirect**: student survey.
2.0	**Skills**			
2.1	Summarize environmentally transmitted diseases. diagrams related to the biology course in EHS professional certificate.	**PLO2.1**	Lecture, discussion in class.	**Direct**: Quiz and mid-term & final Exams. **Indirect**: student survey.
2.2	Estimate environmental health priorities relevant to EHS professional certificate.	**PLO2.2**	Lecture, discussion in class.	**Direct**: Quiz and mid-term & final Exams. **Indirect**: student survey.
2.3	Develop professional skills, and competence relevant to the EHS certificate.	**PLO2.3**	Lecture, Group discussion, presentation. Test taking groups.	**Direct**: Quiz and mid-term & final Exams. **Indirect**: student survey.
3.0	**Values, autonomy, and responsibility**			
3.1	Engage effectively in different contexts within teams .	**PLO3.1**	Group Discussion Presentations ,Test taking team Project Design Seminars .	Project evaluation ,presentation ,assessment of problem solving, case study
3.2	appreciate professionalism, ethical behavior, and capacity building.	**PLO3.2**	Group Discussion Presentations ,Test taking team Project Design Seminars .	Project evaluation, presentation, assessment of problem solving, case study

C. Course Content

No	List of Topics	Contact Hours

1.	Identification of Environment & Health and the interactions between human & Environment.	2
2.	Infectious Disease: Types, Causes & transmission	4
3.	safety program from the scratch for your organization	2
4.	Drinking Water & Sanitation	3
5.	Food & Human Health	4
6.	Waste Management	2
7.	Environmental & Health Impacts of Climate Change	2
8.	Environmental Health in Disasters	2
9.	Sustainable Development Goals in Saudi Arabia	2
10.	Learn the safety roles and responsibilities in the workplace from top management to the worker.	3
11.	Types of EHS professional certificates	2
12.	Preparing for the EHS professional certificate(Exam Questions- Tips& Tricks)	2
Total		**30**

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Theoretical Assignment	Continues	10%
2.	Theoretical quiz1	Continues	5%
3.	Mid-term exam	9^{th} -10^{th} week	20%
4.	Mock EHS tests	11^{th} -16^{th} week	5%
5.	Final exam	16^{th} -18^{th} week	60%
Total			100%

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay etc.).

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	▪ Frumkin, H. (2005). Environmental Health: From global to local. San Francisco, CA: Jossey-Bass. ISBN: 978-0-470-40487-4Introduction practical biology ▪ Moeller, Dade E (2005): Environmental Health. Harvard Univ. Press. ISBN: 0–674–01494–4
Supportive References	None
Electronic Materials	Relevant Internet websites.
Other Learning Materials	Other learning material such as computer-based programs/CD, professional standards or regulations and software.

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	**Lecture Rooms**
Technology equipment (projector, smart board, software)	**Smart board, Smart Board and projector**
Other equipment (depending on the nature of the specialty)	**White Paper, Teaching board, PowerPoint projector, Erasers Animal organs Models Preserved dissected rabbits and Frog (Toads)**

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Students, Peer and program leader	Direct
Effectiveness of Students' assessment	Students, Program assessment committee	Direct/ Indirect
Quality of learning resources	Students, Faculty members	Indirect
The extent to which CLOs have been achieved	Instructor	Direct
Other		

Assessors (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	Consultant Committee/ Board of Biology Department
REFERENCE NO.	
DATE	04\06\2024