

Course Description Form

1. Educational Institution
Northern Technical University / Nimrud Technical Institute
2. Academic Department
Department of Therapeutic Nutrition Techniques
Course Title
Workshop and Laboratory Safety
Course Code
TIMM108
Semester / Academic Year
First Year / 2025-2026
Description Preparation Date
10/2/2026
Available Attendance Modes
In-person
Number of Credit Hours
30 Hours (2 Theoretical Hours per Week)
Course Coordinator
Name:
Email:
Course Description
This course aims to introduce students to the basic principles of safety in workshops and laboratories and to identify potential hazards during work and methods of prevention. The course covers occupational safety rules, the proper use of personal protective equipment (PPE), safe handling of instruments, equipment, and chemicals, and procedures for emergency response and accident management. It also emphasizes the importance of maintaining a safe and healthy working environment in laboratories and workshops.
Course Objectives
1. Understand the basic principles and concepts of occupational safety in workshops and laboratories. 2. Identify different types of chemical, physical, and biological hazards. 3. Apply safety and preventive procedures during work. 4. Recognize the proper use of personal protective equipment.

5. Understand procedures for handling emergencies and accidents.
6. Apply occupational safety principles in health-related work environments.

12.Course Structure:

Evaluation Method	Learning Method	Unit or Subject Name	Required Learning Outcomes	Hours	Week
Daily Assessment	Lecture + Discussion	Introduction to Occupational Safety and Laboratory Rules	CLO1	2	1
Quiz	Lecture	Personal Protective Equipment (PPE)	CLO2	2	2
Daily Assessment	Lecture + Discussion	Types of Laboratory Hazards	CLO2	2	3
Assignment	Lecture	Safety in Handling Chemicals	CLO3	2	4
Quiz	Lecture	Storage and Transportation of Hazardous Materials	CLO3	2	5
Daily Assessment	Lecture	Electrical Safety in Laboratories	CLO4	2	6
Assignment	Lecture	Safe Use of Equipment and Instruments	CLO3	2	7
Midterm Examination	Lecture	Emergency Procedures and First Aid	CLO4	2	8
Quiz	Lecture	Fire Prevention and Evacuation Plans	CLO3	2	9
Assignment	Lecture	Laboratory Waste Management	CLO6	2	10
Daily Assessment	Lecture	Biological Safety	CLO3	2	11
Quiz	Lecture	Prevention of Occupational Injuries	CLO4	2	12
Midterm Examination	Lecture	Occupational Safety Regulations and Instructions	CLO3	2	13
Assignment	Lecture	Safety Applications in the Workplace	CLO3	2	14
Final Assessment	Discussion	Comprehensive Review and Safety Applications	CLO1–CLO6	2	15

Course Evaluation .3

Grade distribution out of 100 according to the tasks assigned to the student, such as daily preparation, quizzes, monthly and written examinations, reports, assignments, class participation, and final examination.

4. Learning and Teaching Resources

- Occupational Safety and Laboratory Safety textbooks.
 - Lecture notes and handouts.
 - Laboratory safety manuals and guidelines.
 - Multimedia presentations and educational videos.
- Scientific resources related to occupational safety.


رئيس القسم
د. محمد ز. محمد




رئيس اللجنة العلمية
د. هشام عبد الرزاق