CHEM 200 Syllabus

Course Code	Course Name	Credits	Prerequisite(S)	Classification
Chem 200	General Laboratory Safety	1	Chem 200	Department Requirement
Course Description	General Laboratory Safety is a mandatory course for all Chemistry students. It aims to introduce students to fundamental knowledge of general laboratory safety standard and help students to develop principles awareness of chemical and health hazards to prepare them to apply these concepts when working in a laboratory in another courses.			
Class Scheduling	Classes are held 1 time/week each for 50 minutes			
Textbook(s)	Introduction to safety laboratory, Prof. Mohamed Abdul salam, Prof. Abdulla Obaid, Prof. Shaeel Al- Thabaiti. CRC Handbook of Laboratory Safety, 5 Edition by A. Keith Furr. Handbook of Laboratory Health and Safety, 2nd Edition by R. Scott Stricoff and Douglas B. Walters.			
Course Coordinator	Dr. Tharwat Abduljabbar Dr. Zoya Khan Prof. Mohammad Abdul salam Prof. Aramice Malkhsian			

Assessment tools:	Week Due	Assessment
	6	Exam 1
	9	Exam 2
	11	Quiz
	13	Final exam

Relationship to SOs	1	2	3	4	5	6
	X					

CLOs	CLO1. Demonstrate general safety laboratory rules, equipment's usage, and proper procedures for safe handling and disposal of chemicals to maintain the safety of students and laboratory. (SO1)
	CLO2. Identify different sources of risks, including chemical hazards classes with their signs. (SO1)
	CLO3. Explicate types of protections including personal protective equipment, emergency procedures and lab safety emergency stations. (SO1).

Contents

List of Topics	No. of Weeks
Course/ Syllabus introduction	1
General Laboratory Safety rules	1
General Work Practices	1
Laboratory Safety Equipment	1
Laboratory Equipment and Safety	2
Chemical Hazards and Health	2
Material Safety Data Sheet & Workplace Hazardous Materials Information System (WHMIS)	1
Transportation of Dangerous Materials	1
Dispose Dangerous Materials & Emergency Procedures	1
Workshop and revision	1