[A-3]COURSE SYLLABUS

1. Course Description (Approximately 100 words)

This course examines occupational safety and health practices needed to address occupational safety and health issues in the workplace. Students will utilize regulatory standards as a guide to apply policies, procedures, standards and occupational safety and health principles. Industry recognized best practices, origin of the standards, the process and rules of inspections, citations and penalties and polices will be covered.

2. Course Goals and Objectives (Approximately 100 words)

Students will be able to recognize and evaluate occupational safety and health hazards in the workplace, and to determine appropriate hazard controls following the hierarchy of controls. Students will furthermore be able to analyze the effects of workplace exposures, injuries and illnesses, fatalities and the methods to prevent incidents using the hierarchy of controls, effective safety and health management systems and task oriented training.

3. Textbook (Title, Author, Publisher, Year of Publication, etc.)

Healthcare Hazard Control and Safety Management, Third Edition Mar 12, 2014
by James T. Tweedy MS CHSP CPSO CHEP

4. Reference

Safety and Health for Engineers May 16, 2016 by Roger L. Brauer

Hazard Mitigation and Preparedness: An Introductory Text for Emergency Management and Planning Professionals, Second Edition Aug 5, 2016 by Anna K. Schwab and Dylan Sandler

5. Course Requirements and Grades

CAT 30%
ASSIGNMENTS 30%
EXAMINATION 40%

6. Course Calendar

Week	Main Content
1	Industrial safety principles:Accidents,PROBABLE CAUSES OF ACCIDENTS
2	Industrial ventilation:Ventilation may be deficient in,There are five basic type
3	Hazards Classification:Chemical Hazards classification,Routes of Entry
4	CAT 1
5	Chemical Safety Data Sheet / Material Safety Data Sheet (MSDS),OBJECTI
6	Types of JSA:High pressure and high temperature operations,MATERIALS (
7	HAZARD ANALYSIS:Risk ,PROCESS HAZARD ANALYSIS(PHA),HAZOP,H
8	MATERIAL SAFETY DATA SHEETS:Hazardous Ingredients/Identity Informa
9	EVENT TREE ANALYSIS:Steps to perform an event tree analysis,Build the
10	APPRAISAL:EFFECTIVE STEPS TO IMPLEMENT SAFETY PROCEDURE
11	SAFETY EDUCATION AND PERIODIC TRAINING: Safety Training,PERSO
12	HEALTH HAZARDS AND LEGAL ASPECTS: OCCUPATIONAL HEALTH H
13	EMPLOYEE STATE INSURANCE ACT:Employers' / Employees' Contributio
14	EXAMINATION