

# SOUTHWESTERN COLLEGE COURSE OUTLINE

Division: **Health & Public Services**

Origination Date: **9/98**

Modification Date:

Effective Date: **Fall 1999**

Course Designator  
and Number

Title

Units

Lec

Lab

**EHMT 271**

**Introduction to Industrial Hygiene II**

**3**

**3**

Same as (other course(s) designator(s),

Grading Basis: **Grading scale; Credit/No Credit option available**

Prerequisite: **EHMT 270**

Corequisite:

Recommended Preparation:

Course Description & Scope: (50 words or less)

**This course is a continuation of EHMT 270 and will introduce students to the principles of evaluating occupational exposures to hazardous agents. Course will familiarize students with the control of hazards in the work environment. Students will survey various occupational health and safety programs, and governmental regulations. [CSU]**

Measurable Course Objectives and Minimum Standards, as Determined by Standards set by the instructor, at 70% Proficiency for a Grade of "C":

1. Student will, **through written assessment, evaluate hazards.**
2. Student will, **through written assessment, explain the control of hazards.**
3. Student will, **through written assessment, interpret occupational health and safety programs.**
4. Student will, **through written assessment, explain government regulations and their impact.**

Core Content to be Covered in all Sections:

1. Approximate 6 % of course  
**Hazard evaluation**
2. Approximate 6 % of course  
**Air sampling**
3. Approximate 6 % of course  
**Direct-reading instruments for gases, vapors, and particulates**
4. Approximate 6 % of course  
**Methods of hazard control**
5. Approximate 6 % of course  
**Local exhaust ventilation of industrial occupancies**
6. Approximate 6 % of course  
**General ventilation of industrial occupancies**
7. Approximate 6 % of course  
**General ventilation of non-industrial occupancies**
8. Approximate 6 % of course  
**Respiratory protection**
9. Approximate 6 % of course  
**The industrial hygienist**
10. Approximate 6 % of course  
**The safety professional**
11. Approximate 6 % of course  
**The occupational physician**
12. Approximate 6 % of course  
**Occupational health nursing**
13. Approximate 6 % of course  
**The industrial hygiene program**
14. Approximate 6 % of course  
**Computerizing an industrial hygiene program**
15. Approximate 6 % of course  
**Government regulations**
16. Approximate 6 % of course  
**History of the federal Occupational Safety and Health Administration (OSHA)**
17. Approximate 4 % of course:  
**Assessment**

NOTE: For Specific Details, see Instructor's Syllabus.

Method of evaluation to determine if objectives have been met by students:  
(Check all that apply)

Exams:

Essay	<input type="checkbox"/>	Class Activity	<input checked="" type="checkbox"/>	Written Assignments	<input type="checkbox"/>
Problem Solving Exercise	<input type="checkbox"/>	Skill Demonstration	<input type="checkbox"/>	Lab Activity	<input type="checkbox"/>
Objective Test	<input checked="" type="checkbox"/>	Oral Assignments	<input type="checkbox"/>	Quizzes	<input type="checkbox"/>

Other

Instructional Methodology: (Check all that apply)

Lecture	<input checked="" type="checkbox"/>	Demonstration	<input checked="" type="checkbox"/>	Discussion	<input checked="" type="checkbox"/>
Audiovisual	<input checked="" type="checkbox"/>	Individual Assistance	<input checked="" type="checkbox"/>	Group Activity	<input type="checkbox"/>
Computer Assisted Instruction	<input type="checkbox"/>				

Requires a minimum of three (3) hours of work per unit, including class time

Required and Major Optional Reading(s), Including Textbook(s) and Software: (Author-last name, first name. Title. Location: Publisher, Year)

**Required text:** Fundamentals of Industrial Hygiene. National Safety Council, Latest Edition.