

UNIVERSITY OF HOUSTON – DOWNTOWN

ENGR 4310 - INDUSTRIAL HYGIENE INSTRUMENTATION

**LECTURE NOTE OUTLINE – THE INDUSTRIAL HYGIENIST
CHAPTER 23**

WEEK 15

- I. Background/Definition
- II. Job Descriptions
 - A. OSHO
 - B. IH
 - C. IHIT
 - D. CIH
 - E. Functions
 - F. IH Manager
- III. IH – Civil Service
- IV. Personnel Needs and Problems
 - A. Education and Training
 - B. Educational Resource Centers
 - C. Professional Schooling
 - D. Graduate Curricula
 - E. Faculty
 - F. Continuing Education
- V. Professional Societies

UNIVERSITY OF HOUSTON – DOWNTOWN

ENGR 4310 - INDUSTRIAL HYGIENE INSTRUMENTATION

**LECTURE NOTE OUTLINE – THE SAFETY PROFESSIONAL
CHAPTER 24**

WEEK 15

- I. Scope and Functions of the Safety Professional
- II. Careers in Safety
- III. Definition
- IV. Safety and Health Programs
- V. Staff vs. Line Status
- VI. Codes and Standards
 - A. Policies and Procedures
 - B. Engineering
 - C. Machine and Equipment Design
 - D. Purchasing
- VII. Safety and Health Inspections
 - A. Work Areas
 - B. Inspectors/Technicians
 - C. Safety Professionals
 - D. Third-Party Inspections/Audits
- VIII. Accident and Occupational Illness Investigations
 - A. Purpose of Investigations
 - B. Types of Investigations
 - C. Who Conducts the Investigation
- IX. Record Keeping and Reporting
 - A. Uses of Records
 - B. Accident Reports and Illness Records
 - 1. First-Aid Report
 - 2. Supervisor's Accident Report Form
 - 3. Injury and Illness Record of an Employee

- X. Education and Training
 - A. Employee Training
 - B. Maintaining Interest in Safety
 - C. Safety and Health Rule Enforcement
 - D. Role of the Supervisor
 - E. Supervisor Training
 - F. Job Safety and Health Analysis

- XI. Risk Management Program
 - A. Hazard Identification
 - B. Hazard Elimination
 - C. Hazard Protection
 - D. Maximum Possible Loss
 - E. Loss Retention
 - F. Damage Control

- XII. System Safety

- XIII. Safety Professional Certification

UNIVERSITY OF HOUSTON – DOWNTOWN

ENGR 4310 - INDUSTRIAL HYGIENE INSTRUMENTATION

**LECTURE NOTE OUTLINE – THE OCCUPATIONAL MEDICINE PHYSICIAN
CHAPTER 25**

WEEK 15

- I. History
- II. Credentials and Professional Associations
- III. Practice Settings – Scope of Practice
- IV. Occupational Health History

UNIVERSITY OF HOUSTON – DOWNTOWN

ENGR 4310 - INDUSTRIAL HYGIENE INSTRUMENTATION

**LECTURE NOTE OUTLINE – OCCUPATIONAL HEALTH NURSE
CHAPTER 26**

WEEK 15

- I. Overview and Scope of Practice
- II. Standards of Practice for Occupational and Environmental Health Nursing
- III. Professional Membership and Certification
- IV. Practice of Occupational Health Nursing

UNIVERSITY OF HOUSTON – DOWNTOWN

ENGR 4310 - INDUSTRIAL HYGIENE INSTRUMENTATION

**LECTURE NOTE OUTLINE – THE INDUSTRIAL HYGIENE PROGRAM
CHAPTER 27**

WEEK 15

- I. Components of an IH Program
- II. Benefits of an IH Program
- III. Establishing an IH Program
 - A. Goals and Objectives
 - B. Procedures and Requirements for Components
 - C. Hazard Recognition and Evaluation
 - D. Hazard Control
 - E. Employee Training and Education
 - F. Documentation/Recordkeeping
 - G. Employee Involvement
 - H. Program Evaluation/Program Audit
- IV. Organizational Responsibilities
 - A. Medical Program
 - B. Engineering
 - C. Safety
 - D. Purchasing
 - E. General Manager
 - F. Supervisor
 - G. Employees
 - H. Safety and Health Committee