



THE UNIVERSITY OF ARIZONA

Mel & Enid Zuckerman  
College of Public Health

**Mel and Enid Zuckerman College of Public Health  
University of Arizona**

**EHS 522 Introduction to Occupational Safety**

**Catalog Description:** Fundamentals of occupational safety, emphasizing regulatory requirements and best-practices targeted to eliminate major sources of occupational injuries. Hazard identification, behavioral safety, and incident investigation will be discussed. Graduate-level requirements include a written paper evaluating a topical incident pertinent to the state/region, including an analysis of contributing factors and recommendations to prevent future occurrences. (3 units)

**Course Topics:**

- Hazard Identification
- Behavioral Safety
- Incident Investigation
- Federal and State OSHA

**Course Objectives:** During this course, students will:

- Review potential workplace safety and health hazards and determine how to mitigate the hazards through engineering controls, administrative controls and personal protective equipment
- Review the requirements for workplace training programs under the existing OSHA and State-OSHA Requirements
- Review principles for developing and implementing a successful occupational health and safety program and evaluation of a work site
- Review basic components of an effective company safety and health program including management commitment, employee involvement, hazard recognition, hazard control, and worker training.
- Demonstrate a working knowledge of the occupational health and safety regulations contained in the Federal Register under the 29 CFR 1910 standards.

**Learning Outcomes (Competencies Obtained):** Upon completion of this course students will be able to:

1. Understand basic concepts of legal, ethical, economic and regulatory dimensions of health care and public health policy and the roles, influences and responsibilities of the different agencies and branches of government
2. Advocate for protection and promotion of the public's health at all levels of society
3. Promote ethical decision making as related to self and society
4. Locate, use, evaluate and synthesize occupational safety information
5. Identify agents, factors, and stressors generated by and/or associated with defined sources, unit operations, and/or processes