

**EHS 114**  
**OSHA REGULATIONS**

**COURSE DESCRIPTION:**

Prerequisites: None

Corequisites: None

This course emphasizes application of OSHA performance-oriented standards for workplace safety and health. Topics include hazard communication, bloodborne pathogens, and the laboratory standard. Upon completion, students should be able to implement written plans required for compliance. Course Hours Per Week: Class, 4. Semester Hours Credit, 4.

**LEARNING OUTCOMES:**

Upon completion of this course, the student will be able to:

- a. Describe the role of federal and state agencies in enforcement of the Occupational Safety and Health Act.
- b. Recognize situations that require implementation of OSHA performance-oriented standards
- c. Develop and implement a written hazard communication program for exposure to hazardous chemicals.
- d. Develop a written chemical hygiene plan for exposure to hazardous chemicals in laboratories.
- e. Develop and implement a written exposure control program for exposure to bloodborne pathogens

**OUTLINE OF INSTRUCTION:**

- I. Introduction to OSHA
  - a. OSH Act
  - b. Federal and state plans
  - c. Standards
  - d. Inspections
  - e. Rights and responsibilities of employer, employee
- II. The Code of Federal Regulations (CFR)
  - a. Rulemaking process
  - b. The Federal Register and the CFR
  - c. CFR numbering system
  - d. Friendlier formats for the CFR

III. Hazard Communications (HAZCOM)

- a. Goals of HAZCOM standard
- b. Hazard evaluation
- c. Written program
- d. Labels and other warnings/Material Safety Data Sheets
- e. Employee information and training
- f. Guidelines for compliance

IV. OSHA laboratory standard

- a. Employee exposure determination
- b. Chemical hygiene plan
- c. Employee information and training
- d. Recordkeeping

V. Bloodborne pathogens standard

- a. Scope and definitions
- b. Exposure control plan
- c. Methods of compliance
- d. Hepatitis B vaccination
- e. Hazard communication
- f. Recordkeeping

VI. Other OSHA Performance-oriented standards

- a. Process Safety Management of Highly Hazardous Materials
- b. Hazardous Waste Operations and Emergency Response
- c. Health-oriented standards (hearing conservation, exposure to hazardous chemicals)
- d. Other standards

**REQUIRED TEXTBOOKS AND MATERIALS:**

United States Department of Labor. *OSHA General Industry Regulations* (29 CFR 1910). Washington D.C.: United States Government Printing Office (2007, or any recent edition). (Note: equivalent editions published by the North Carolina Department of Labor and private vendors are acceptable.)

**STATEMENT FOR STUDENTS WITH DISABILITIES:**

Students who require academic accommodations due to any physical, psychological, or learning disability are encouraged to request assistance from a disability services counselor within the first two weeks of class. Likewise, students who potentially require emergency medical attention due to any chronic health condition are encouraged to disclose this information to a disability services counselor within the first two weeks of class. Counselors can be contacted by calling 686-3652 or by visiting the Student Development Office in the Phail Wynn Jr. Student Services Center, room 1309.