

Western Kentucky University
Department of Public Health
Introduction to Occupational Safety & Health (ENV 120)
Spring 2020

Instructor:	Ms. Jacqueline R. Basham, MPH
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Office Hours:	Monday / Wednesday: 10:30 AM – 1:30 PM Tuesday: 12:30 PM – 1:30 PM Thursday: 10:00 AM – 11:00 AM Friday – By appointment only
Course Material:	Material will be posted on WKU's Blackboard

Recommended Textbook

David L. Goetsch – Occupational Safety & Health. Ninth Edition (2019). Pearson Prentice Hall Publishers, A Division of Pearson Education, Inc. (Available at WKU bookstore)

All additional materials provided by the instructor through Blackboard.

Course Description

This course is an introduction to the principles of occupational safety and health. It is a survey course covering the basic principles and techniques of accident investigation and prevention. This course will cover a variety of hazards that may be experienced in the workplace including those related to slips, trips and falls, pressure, electrical, radiation, noise and bloodborne pathogens. This is an introductory course intended for environmental health science majors and those wanting to work in the occupational safety and health field. No prerequisites are required.

Course Objectives

Upon successful completion of the ENV 120 course students will be able to:

- Discuss types of common hazards seen in occupational settings
- Describe theories of accident causation and the effects accidents can have in an occupational setting
- Identify and explain when and what to investigate in the event of an accident in an occupational setting
- Implement preventative measures through the use of hazard analysis to ensure a safe work environment which will be demonstrated through the hazard analysis assignment

Student Responsibilities and Assessments

Every student is expected to participate and contribute in all exercises, discussions, and assignments. There will be 10 quizzes that account for 100 points, and 2 discussions that account for 50 points. There will be 2 assignments that account for 50 points. The mid-term exam accounts for 100 points, and the final exam accounts for 100 points. The final exam covers material from the entire course, including the quizzes, discussions, and assignments. Additional assignments may be added as needed during the semester.

Course Content

1. Safety & Health Movement: Then & Now
2. Accidents & Their Effects
3. Theories of Accident Causation
4. Roles and Professional Certifications for Safety and Health Professionals
5. The OSH Act, Standards, and Liability
6. Workers' Compensation
7. Accident Investigation & Reporting
6. Ergonomic Hazards: Musculoskeletal Disorders and Cumulative Trauma Disorders
7. Safety & Health Training
8. Mechanical Hazards & Machine Safeguarding
9. Falling, Impact, Acceleration, Lifting and Vision Hazards
10. Fire Hazards & Life Safety
11. Industrial Hygiene & Confined Spaces
12. Radiation Hazards
13. Noise & Vibration Hazards
14. Computers, Automation, & Robots
15. Bloodborne Pathogens in the Workplace
16. Hazard Analysis/Prevention & Safety Management
17. Promoting Safety
18. Environmental Safety

Title IX Misconduct/Assault Statement

Western Kentucky University (WKU) is committed to supporting faculty, staff and students by upholding WKU's [Title IX Sexual Misconduct/Assault Policy](#) (#0.2070) and [Discrimination and Harassment Policy](#) (#0.2040). Under these policies, discrimination, harassment and/or sexual misconduct based on sex/gender are prohibited. If you experience an incident of sex/gender-based discrimination, harassment and/or sexual misconduct, you are encouraged to report it to the Title IX Coordinator, Andrea Anderson, 270-745-5398 or Title IX Investigators, Michael Crowe, 270-745-5429 or Joshua Hayes, 270-745-5121.

Please note that while you may report an incident of sex/gender based discrimination, harassment and/or sexual misconduct to a faculty member, WKU faculty are “Responsible Employees” of the University and MUST report what you share to WKU’s Title IX Coordinator or Title IX Investigator. If you would like to speak with someone who may be able to afford you confidentiality, you may contact WKU’s [Counseling and Testing Center](#) at 270-745-3159.

ADA Accommodation Statement

In compliance with University policy, students with disabilities who require academic and/or auxiliary accommodations for this course must contact the Student Accessibility Resource Center located in Downing Student Union, Room 1074. The SARC can be reached by phone number at 270-745-5004 [270-745-3030 TTY] or via email at sarc.connect@wku.edu. Please do not request accommodations directly from the professor or instructor without a faculty notification letter (FNL) from The Student Accessibility Resource Center.

Academic Offenses (As in WKU’s Student Handbook)

The maintenance of academic integrity is of fundamental importance to the University. Thus it should be clearly understood that acts of plagiarism or any other form of cheating will not be tolerated and that anyone committing such acts risks punishment of a serious nature.

Academic Dishonesty

Students who commit any act of academic dishonesty may receive from the instructor a failing grade in that portion of the course work in which the act is detected or a failing grade in a course without possibility of withdrawal. The faculty member may also present the case to the Office of Judicial Affairs for disciplinary sanctions. A student who believes a faculty member has dealt unfairly with him/her in a course involving academic dishonesty may seek relief through the Student Complaint Procedure.

Plagiarism

To represent written work taken from another source as one's own is plagiarism. Plagiarism is a serious offense. The academic work of a student must be his/her own. One must give any author credit for source material borrowed from him/her. To lift content directly from a source without giving credit is a flagrant act. To present a borrowed passage without reference to the source after having changed a few words is also plagiarism

Cheating

No student shall receive or give assistance not authorized by the instructor in taking an examination or in the preparation of an essay, laboratory report, problem assignment or other project which is submitted for purposes of grade determination.

Other Types of Academic Dishonesty

Other types of academic offenses, such as the theft or sale of tests, electronic transmission of test, test sharing, etc. will be reported to the Office of Judicial Affairs for disciplinary action.