



## Course Description

This course covers a wide cross-section of occupational safety and health. It is designed primarily as an introduction to occupational safety and health for students in occupational safety and health, industrial hygiene, environmental health, occupational health nursing, ergonomics, injury prevention, agricultural health and safety, and occupational epidemiology. Topics that will be covered include: health effects of exposures; anticipation, recognition, evaluation, and control of workplace hazards; occupational safety; basic principles of industrial hygiene, occupational medicine and nursing, personal protection, and ergonomics; legal and regulatory issues; evaluation and control of health risks in the workplace; ethics in occupational safety and health; and special populations at risk for occupational disorders.

## Course Objectives

- ♦ Students will gain experience in interdisciplinary problem-solving in occupational safety and health. Students will improve and use skills as active learners, both in defining what is important to learn and in mastering that material.
- ♦ Students will understand the legal and regulatory environment in which occupational health operates. They should have an understanding of the social and economic as well as labor/management influences that can affect issues of health in the workplace.
- ♦ Students will be familiar with the ways in which health risks in the workplace can be anticipated, recognized, evaluated and controlled. They should understand the strategies and methods available for evaluation, and know their limitations and constraints. They should understand the hierarchy of engineering controls, administrative controls, and personal protective controls. They should be familiar with the basic technical aspects of safety, engineering controls and personal protective controls.
- ♦ Students will be familiar with a wide range of occupational safety issues and understand the relationship between workplace safety and health.
- ♦ Students will understand the basic principles of occupational safety, industrial hygiene, ergonomics, occupational medicine, and occupational health nursing.

## Instructor

Vijay Golla, Ph.D, Assistant Professor, Department of Public Health  
Western Kentucky University

## Credits

2.25 Continuing Education Units (CEUs) and 3.5 Fundamental Industrial Hygiene CM Points have been awarded.

## Registration

Tuition for this course is \$250 (does not include textbook). You may register by telephone (801-581-4055), fax (801-585-5275) or online (<http://uuhsc.utah.edu/rmcoeh/ContEdProg/CEhome.html>). You may also submit registration form with payment to the address on the registration form.

## Required Textbook

**Occupational Health and Safety**, Third Edition by Marci Z. Balge and Gary R. Krieger. Publisher: National Safety Council Press, ISBN #: 0-87912-203-X

The text is available for purchase from the National Safety Council or Amazon.com

## Additional Readings

Course material posted on the web and accessible through WebCT.

## How to Take the Class

Course material will posted on the web and accessible through WebCT according to the following schedule. Students need to post responses to the assignments (equivalent to 1.5 hours) every other day by 6:00 p.m. (EST)

## Course Schedule

| Date    | Topic   |
|---------|---|
| 4/7/08  | Introduction/History of Occupational Safety and Health        |
| 4/8/08  | Occupational Safety and Health Professions                    |
| 4/9/08  | Industrial Hygiene: Laws, Regulations and Worker Compensation |
| 4/10/08 | Occupational Safety   |
| 4/14/08 | Recognizing and Evaluating Chemical Hazards                   |
| 4/15/08 | Recognizing and Evaluating Physical & Radiological Hazards    |
| 4/16/08 | Recognizing and Evaluating Biological Hazards                 |
| 4/17/08 | Controlling Occupational Hazards                              |
| 4/21/08 | Personal Protection and Occupational Injury                   |
| 4/22/08 | Ergonomics and Musculoskeletal disorders                      |
| 4/23/08 | Agricultural and Construction Workers                         |
| 4/24/08 | Special populations   |
| 4/28/08 | Worker's Compensation and Employee Education                  |
| 4/29/08 | Occupational Medicine and Nursing                             |
| 4/30/08 | <b>Final Exam</b>   |