

*Enhance your career through
comprehensive training and education*



Environmental, Health and Safety Programs



14th Annual
**Summer Intensive
Certificate Program**
Summer 2009

www.extension.ucdavis.edu/safety

UC DAVIS
EXTENSION
**ENVIRONMENTAL,
HEALTH AND SAFETY**



CONTINUING AND PROFESSIONAL EDUCATION

14th Annual Intensive Certificate Program in Health and Safety

June 22-August 28, 2009

The *Health and Safety Intensive Certificate Program* is designed to expand the awareness and practical skills of those responsible for employee health and safety. The program helps you:

- **Create safer work environments**
- **Understand current OSHA regulations and methods for compliance**
- **Learn state-of-the-art emergency management techniques**
- **Integrate employee health and safety into daily decision making**
- **Save organizational resources**
- **Contribute to enhanced employee performance**

The program examines critical safety and health issues confronting private business, industry and government, and provides the training necessary for managing a proactive health and safety program.

Complete your certificate in five weeks!

The intensive certificate program covers all required courses and many electives offered through the regular *Workplace Health and Safety Certificate Program*. Instead of commuting to UC Davis over a period of one to two years, you spend just 24 days in concentrated classwork spread out through June, July and August.

This makes the intensive certificate program particularly attractive to people who live a long distance from Davis.

Program structure

The five-week program is spread out through June, July and August. The first course begins on June 22.

Program requirements

The intensive certificate program consists of 12 core courses. Your progress through each is monitored with exams and/or written assignments. To earn the certificate, you must successfully complete every course with a grade of "C" or better. All coursework must be completed by August 23, 2009.

Enroll in an entire program — or take individual courses

You have the option to complete the entire intensive certificate program or to sharpen your skills in specific areas by taking individual courses. For the entire *Health and Safety Intensive Certificate Program*, **enroll in section 091HSD505**. To enroll in individual courses, see the fees and section numbers listed after each course description in this brochure.

Enroll early and save!

Tuition for the *Health and Safety Intensive Certificate Program* is \$5,900 if you enroll by May 31, 2009. To ensure your place in the program, a \$500 deposit is due when you enroll with the remaining balance due no later than June 22. If you enroll after May 31, the full fee of \$6,300 is due at the time of your enrollment. The tuition includes all lectures, educational materials, light refreshments daily, a parking permit and the certificate fee.

Who Should Attend Our Programs

Many individuals are sponsored by their employers, who know that sending an employee or team of employees to our programs is an effective way to develop staff expertise in health and safety strategies. Professions that use this approach include:

- **Safety directors and officers**
- **Environmental supervisors**
- **Union representatives**
- **Health and safety technicians**
- **Occupational health specialists/nurses**
- **Risk managers**
- **Compliance managers**
- **Plant or facilities managers**
- **Production supervisors**
- **Human resource specialists**

Financial assistance options

Students in courses and programs offered through UC Davis Extension may be eligible for job training funds, alternative student loans, tax credit or other financial assistance. The UC Davis Extension Student Services office can work with you to identify available financial assistance options. For more information, please visit http://extension.ucdavis.edu/student_services/resources/financing.asp or contact us at (800) 752-0881.

Take individual courses or earn a certificate during the summer intensive.

Health and Safety for Workers: Laws and Regulations

1.5 quarter units academic credit, X431.9.
2 ABIH CEUs.
2 MCLE CEUs.

Learn the relevant laws and regulations pertaining to occupational health and safety, including Cal/OSHA and federal OSHA; criminal considerations, such as supervisors' and managers' responsibilities; workers' compensation jurisdiction, claims and benefits; the claims process and program administration; and legal liability. Case studies illustrate both simple and complex issues. Administering health and safety programs requires up-to-the-minute, working knowledge of laws and regulations. Learn to use the Internet to research the most current regulations during a computer lab session.

This course is for individuals who have interests in, or responsibilities for, administering occupational health and safety programs. This is a required course for the Workplace Health and Safety Certificate Program, the Intensive Certificate Program in Health and Safety and the Health and Safety Trainer Specialized Studies Program.

- **2 meetings.**
- **June 22-23:** Mon.-Tues., 8:30 a.m.-5 p.m.
- **Davis:** Da Vinci Building, 1632 Da Vinci Ct.
- **\$525.** Includes course materials and morning refreshments. **Enroll in section 091HSD500.**
- **Special discounts:** Groups.

"In just more than a year, I completed the certificate program, which gave me an excellent foundation in the technical and practical aspects of EHS. This base gave me the confidence to develop in my new position and, after a couple of more years of on-the-job experience, I qualified and passed the Certified Safety Professional exam. Since that time I have been promoted to the position of manager of Corporate EHS. I believe that much of my success is the result of the excellence of this program."

~ Leslie K.

OSHA Training Requirements Overview

.75 quarter unit academic credit, X431.26.
1 ABIH CEU.

Identify key training requirements in respiratory protection, blood-borne pathogens, forklifts, ergonomics, hazard communication, the HAZWOPER standard and other areas. A wide range of health and safety training requirements are identified in both federal and state OSHA standards. Learn to properly document the training each employee receives in the workplace. This course focuses on the actual training requirements involved in each standard and will not include a detailed discussion of each one.

This is an elective course for the Workplace Health and Safety Certificate Program and a required course for the Intensive Certificate Program in Health and Safety.

- **1 meeting.**
- **June 24: Wed., 8:30 a.m.-5 p.m.**
- **Davis:** Da Vinci Building, 1632 Da Vinci Ct.
- **\$385.** Includes course materials and morning refreshments.
- **Enroll in section 091HSD543.**
- **Special discounts:** Groups.

Fire and Life Safety Awareness

1.5 quarter units academic credit, X488.6.
2 ABIH CEUs.

Discover the types of built-in fire protection features and fire and life safety hazards common to the educational and workplace environment. This course features passive versus active fire protection features, maintenance of exits, knowledge and use of fire extinguishers, impact to and from other occupants, human behavior before and during an emergency, proper storage techniques, and services potentially available through local fire departments.

This is an elective course for the Workplace Health and Safety Certificate Program and a required course for the Intensive Certificate Program in Health and Safety.

- **2 meetings.**
- **June 25-26:** Thurs.-Fri., 8:30 a.m.-5 p.m.
- **Davis:** Da Vinci Building, 1632 Da Vinci Ct.
- **\$525.** Includes course materials and morning refreshments. **Enroll in section 091HSD529.**
- **Special discounts:** Groups.

Industrial Safety Hazard Control

1.5 quarter units academic credit, X431.4A.
2 ABIH CEUs.

Expand your understanding of industrial safety hazard control by identifying and assessing hazards in the workplace. Learn how to recognize priority hazards as well as strategies for removing them. Discover how to use regulations as tools to identify and control hazards. Use case studies to learn from the field and brainstorm your own potential solutions to real-life problems.

This is a required course for the Workplace Health and Safety Certificate Program, the Health and Safety Trainer Specialized Studies Program and the Intensive Certificate Program in Health and Safety.

- **2 meetings.**
- **July 13-14:** Mon.-Tues., 8:30 a.m.-5 p.m.
- **Davis:** Da Vinci Building, 1632 Da Vinci Ct.
- **\$525.** Includes course materials and morning refreshments. **Enroll in section 091HSX050.**
- **Special discounts:** Groups.

Emergency Management Techniques

1.5 quarter units academic credit, X431.5.
2 ABIH CEUs.

Gain practical experience in managing emergency situations, and learn to respond effectively in crisis situations. Examine the management techniques common to all emergency situations, including natural disaster, fires, and mass medical and hazardous materials incidents. Simulations and opportunities to form small incident command groups and to solve industrial emergency problems based on actual case histories are included.

Discussions cover effective emergency planning, legal responsibilities, administrative notifications, government response plans and agencies, incident commands systems as an emergency management tool, crisis management skills, decision-making under pressure, effective communication techniques, and media and public relations. Emergency coordinators and those who direct emergency response teams will benefit. This is an elective course for the Workplace Health and Safety Certificate Program and a required course for the Intensive Certificate Program in Health and Safety.

- **2 meetings.**
- **July 15-16:** Wed.-Thurs., 8:30 a.m.-5 p.m.
- **Davis:** Da Vinci Building, 1632 Da Vinci Ct.
- **\$525.** Includes course materials and morning refreshments. **Enroll in section 091HSX013.**
- **Special discounts:** Groups.

Confined Space: An Overview

.75 quarter unit academic credit, X431.17.
1 ABIH CEU.

Examine hazard evaluation of confined spaces and review appropriate work practices as mandated by federal and state laws. Confined spaces can be highly dangerous, and both federal and Cal/OSHA laws regulate their entry. By their nature, confined spaces contain a variety of problems: atmospheric hazards, the accumulation of toxic materials, flammable or explosive atmospheres, and physical hazards.

This is an elective course for the Workplace Health and Safety Certificate Program and a required course for the Intensive Certificate Program in Health and Safety.

- **1 meeting.**
- **July 17:** Fri., 8:30 a.m.-5 p.m.
- **Davis:** Da Vinci Building, 1632 Da Vinci Ct.
- **\$385.** Includes course materials and morning refreshments. **Enroll in section 091HSX025.**
- **Special discounts:** Groups.

Industrial Hygiene

3 quarter units academic credit, X488.1.

Gain an overview of occupational health hazards, including how they can be recognized, evaluated and controlled. Designed for those responsible for employee safety, this course discusses how industries are regulated and how to apply industrial hygiene principles in the workplace. Additionally, instructors focus on the topics most likely to confront safety managers today, such as indoor air quality, noise protection and mold.

This course provides a basic understanding of industrial hygiene that will allow you to communicate safety principles to employees, perform some environmental evaluation and evaluate independent industrial hygiene consultants. This is a required course for the Workplace Health and Safety Certificate Program, the Intensive Certificate Program in Health and Safety and the Health and Safety Trainer Specialized Studies Program.

- **4 meetings.**
- **July 27-30:** Mon.-Thurs., 8:30 a.m.-5 p.m.
- **Davis:** Da Vinci Building, 1632 Da Vinci Ct.
- **\$785.** Includes textbook, course materials and morning refreshments. **Enroll in section 091HSD511.**
- **Special discounts:** Groups.

GENERAL INFORMATION

For more information or to enroll

Please call (800) 752-0881, email environinfo@unexmail.ucdavis.edu or visit us online.
www.extension.ucdavis.edu/safety

Health and Safety Management and Program Development

3 quarter units academic credit, X488.4A.

4 ABIH CEUs.

Explore the various approaches to health and safety management, including methods to obtain and maintain top management support; methods to obtain and maintain employee/union support; how to determine the real cost of accidents; behavior modification practices; the success and failure of rewards and recognition programs; and techniques for system-based auditing. Learn how to investigate the causes of accidents, organize health and safety committees, and develop health and safety training programs.

This is a required course for the Workplace Health and Safety Certificate Program, the Intensive Certificate Program in Health and Safety and the Health and Safety Trainer Specialized Studies Program.

- **4 meetings.**
- **Aug. 10-13:** Mon.-Thurs., 8:30 a.m.-5 p.m.
- **Davis:** Da Vinci Building, 1632 Da Vinci Ct.
- **\$745.** Includes course materials and morning refreshments. **Enroll in section 091HSD501.**
- **Special discounts:** Groups.

Protective Clothing

.75 quarter unit academic credit, X431.1.

1 ABIH CEU.

Learn about the regulations and standards regarding personal protective equipment*, limitations on use, the different types of chemical protective clothing and use of chemical compatibility charts. Other topics include eye, face, hand, foot, head and hearing protection, protective clothing decontamination and protective clothing for working with biohazards. This class is particularly helpful to anyone responsible for a personal protective equipment program. This is an elective course for the Workplace Health and Safety Certificate Program and a required course for the Intensive Certificate Program in Health and Safety.

*The class will not include the topic of respiratory protection, which is covered in the course Respiratory Protection.

- **1 meeting.**
- **Aug. 14:** Fri., 8:30 a.m.-5 p.m.
- **Davis:** Da Vinci Building, 1632 Da Vinci Ct.
- **\$385.** Includes course materials and morning refreshments. **Enroll in section 091HSD512.**
- **Special discounts:** Groups.

Respiratory Protection

.75 quarter unit academic credit, X431.1.

1 ABIH CEU.

Discover the requirements for a respiratory protection program described by Cal/OSHA regulations. Review regulatory requirements, guidance documents and consider exposure evaluation. Learn the advantages and disadvantages of various types of respiratory protection, respirator change-out schedules and fit-testing procedures. An introduction to operating self-contained breathing apparatus concludes the day's activities. This course is primarily for managers, supervisors and those responsible for purchasing respiratory protective equipment. This is an elective course for the Workplace Health and Safety Certificate Program and a required course for the Intensive Certificate Program in Health and Safety.

- **1 meeting.**
- **Aug. 24:** Mon., 8:30 a.m.-5 p.m.
- **Davis:** Da Vinci Building, 1632 Da Vinci Ct.
- **\$385.** Includes course materials and morning refreshments. **Enroll in section 091HSX007.**
- **Special discounts:** Groups.

Partners in Education

These projects support grant #ES-04-005 from the National Institute of Environmental Health Sciences (NIEHS), NIH, to the Western Region Universities Consortium, a coalition of non-profit organizations with expertise in conducting worker health and safety training programs. For more info, call (530) 757-8607 or email environinfo@unexmail.ucdavis.edu.

ENROLL

www.extension.ucdavis.edu/safety

ONLINE

Group discounts

Organizations enrolling three or more at the same time in one class may do so with a 10 percent discount off each enrollment. Group discounts cannot be combined with other discounts. All enrollments must be submitted at one time and fees paid with check, credit card or purchase order.

Ergonomics in the Workplace

1.5 quarter units academic credit, X488.2B.
2 ABIH CEUs.

Learn the fundamentals of ergonomics in industrial and office workplaces. Discuss medical issues, regulatory strategies, engineering solutions and productivity improvements. If your employees experience problems with lifting, repetitive motion or overexertion, their improper work practices may cause serious and long-term disabilities. A review of safe work practices with a focus on basic ergonomics may help your organization. Develop ergonomic recognition and identification skills necessary for implementation of an overall injury prevention strategy. Discussions and exercises will focus on problem solving in real occupational situations. This is an elective course for the Workplace Health and Safety Certificate Program and a required course for the Intensive Certificate Program in Health and Safety.

- **2 meetings.**
- **Aug. 25-26:** Tues.-Wed., 8:30 a.m.-5 p.m.
- **Davis:** Da Vinci Building, 1632 Da Vinci Ct.
- **\$525.** Includes course materials and morning refreshments. **Enroll in section 091HSD514.**
- **Special discounts:** Groups.

Incident Investigation Techniques

1.5 quarter units academic credit, X431.22.
2 ABIH CEUs.

Acquire the knowledge, practical skills and tools you need to conduct incident investigations. Designed with both the novice and seasoned professional in mind, topics in this interactive course include principles of incident investigation, responsibilities in the investigation process, investigation planning and preparation, the seven steps of initial response, tools and techniques for investigation, the collection and examination of information, root cause analysis, the incident investigation report, and effective real-world corrective actions. This is an elective course for the Workplace Health and Safety Certificate Program and a required course for the Intensive Certificate Program in Health and Safety.

- **2 meetings.**
- **Aug. 27-28:** Thurs.-Fri., 8:30 a.m.-5 p.m.
- **Davis:** Da Vinci Building, 1632 Da Vinci Ct.
- **\$525.** Includes course materials and morning refreshments. **Enroll in section 091HSD535.**
- **Special discounts:** Groups.

OTHER ONLINE

ONLINE

CAMEO Hazardous Materials Software Training

4 quarter units academic credit, X431.40.
5 ABIH CEUs.

Learn to use Computer Aided Management of Emergency Operations (CAMEO) to assist in hazardous materials emergency response and planning. This software includes three computer programs—the CAMEO database, the ALOHA air plume modeling program and the MARPLOT mapping program—to enhance your emergency planning and provide critical data in the event of a hazardous materials emergency. Learn to find information on a chemical within seconds; plot where that chemical will travel over a map of your city; store chemical and emergency information for facilities in your area; store information regarding sensitive populations; and plot the location of these facilities. This course is an elective in the Workplace Health and Safety Certificate Program.

- **Enroll now through June 22 and complete by July 31.**
Technical requirements: See page TR. \$375. Includes course materials and instructional support. **Enroll in section 091HSX180.**
Special discounts: Groups.

Accommodations

Course fees do not include accommodations. Upon request, we will send information about nearby motels that are reserving rooms for program participants, along with rates and reservation deadlines.

Health and Safety Refresher for Hazardous Waste Workers—8 Hours

.8 CEU.
1 ABIH CEU.

Renew your certification as a hazardous waste site worker with this annual refresher training in health and safety issues. This course meets requirements established by OSHA Standard 29 CFR 1910, 120(e)(8) for training hazardous waste workers (HAZWOPER), T8 CCR 5192 (e)(8) in California. This refresher course is revised each year to provide you with the most current information. A newly designed program, including new exercises to accompany each module, is available.

Prerequisite: *Health and Safety Training for Hazardous Waste Workers—40 Hour.*

- 1 meeting.
- **July 21: Tues., 8 a.m.-5 p.m.**
Sacramento: Sutter Square Galleria, 2901 K St.
- **\$195. Includes course materials and morning refreshments. Enroll in section 091HSX101.**
- **Special discounts: Groups.**

Trainer Course for the Construction Industry (OSHA 500)

3 quarter units academic credit from UC San Diego, 4C280.
4 ABIH CEUs.

Prepare your students to teach the 10- and 30-hour Outreach Program classes. Learn and practice training techniques and participate in the development and delivery of lectures. Following the successful completion of the written exam, you will be an authorized OSHA Trainer for the 10- and 30-hour Outreach Programs. A laptop is recommended.

Prerequisites: OSHA 510, a thorough knowledge of OSHA Construction Standards (CFR 1926) and five years of construction safety experience. On the first day of class, you will be asked to sign an Eligibility Statement confirming you meet these prerequisites.

- 4 meetings.
- **Sept. 21-24: Mon.-Thurs., 8 a.m.-4:30 p.m.**
Sacramento: Sutter Square Galleria, 2901 K St.
\$725. This course is offered under a partnership with OSHA Training Institute through UC San Diego. Enrollments and grading are processed by OTI-UCSD at (800) 358-9206 or online at <http://osha.ucsd.edu/500.htm>. Section ID: 067475.

CUSTOM TRAINING FOR YOUR ORGANIZATION



We offer premier training to help you stay up-to-date on workplace health and safety issues, including OSHA and CalOSHA regulations, hazardous materials HAZWOPER certification, and industry best practices.

- **Health and Safety**
- **Hazardous Materials**
- **Emergency Management**

Contact us today about customizing a course or program to meet your specific needs.

Call Nathan Sands at (530) 757-8607, or email us.

environinfo@unexmail.ucdavis.edu

Cancellations and Refunds

UC Davis Extension reserves the right to discontinue, postpone, combine classes and change instructors. Classes may be canceled at or before the first scheduled meeting if fewer than the required number of students pre-enroll. Students will automatically be given full refund for canceled classes unless the student requests transfer of the enrollment fee to another course.

ENROLLING IS EASY!

BY MAIL complete this form and send it to the Registration Office, UC Davis Extension, University of California, 1333 Research Park Drive, Davis, CA 95618-4852.
BY PHONE call toll free (800) 752-0881. From Davis or Woodland call 757-8777.
 Please have your Visa, MasterCard, American Express or Discover account number handy.

BY FAX to (530) 757-8558. If you are enrolling with a company purchase order, please fax a completed enrollment form along with a copy of the purchase order. For security purposes, we can no longer accept credit card payments via fax.

IN PERSON at our Registration Office, 8:30 a.m.-4:30 p.m., 1333 Research Park Drive, Davis.
ONLINE at www.extension.ucdavis.edu/safety.

1. YES! Please enroll me in the following courses:

Title	Section number	\$	Fee
Title	Section number	\$	Fee

NO, I can't enroll at this time, but please add me to the mailing list for future information about courses in Environmental, Health and Safety.

2. Customer information:

Mr. Mrs. Ms. _____ Name

Current position/job title _____

Social Security number* _____

IMPORTANT: Where would you like to receive mail? work home (Please fill in all blanks below)

Address _____

City _____ State _____ Zip _____

Employer name _____
 () _____ () _____

Daytime telephone _____ Evening telephone _____

Email address _____ If you do not wish to receive periodic email about UC Davis Extension courses and programs in your area of interest, please check this box

Please add extension@ucdavis.edu to your address book or safe list to ensure that our email messages are delivered properly.

*UC Davis Extension is required by federal law to report your Social Security Number (SSN) and other pertinent information to the Internal Revenue Service pursuant to the reporting requirements imposed by the Taxpayer Relief Act of 1997. UC Davis Extension also will use the SSN you provide to verify your identity. SSN disclosure is mandatory. This notification is provided to you as required by the Federal Privacy Act of 1974.

3. Payment information:

- Enclosed is a check payable to UC Regents.
- Enclosed is a company purchase order (a complete enrollment form, or all information requested on the enrollment form, must be included with purchase orders).
- Please charge Visa/MasterCard/American Express/Discover:

Account number _____ Expires _____

Name of cardholder _____ Authorized Signature _____

Credit card verification number _____ The CCV is the last three digits of the number printed on the back of your credit card (for American Express it is the last four digits of the number printed on the front).

4. Important! Key code: _____ - _____ - _____

For efficient processing of your enrollment, please fill in this code as it appears on your mailing label, whether or not it is addressed to you. If you enroll by phone, please be prepared to provide this code to your customer service representative. Also include it on all purchase orders.

UC Davis Extension
 University of California
 1333 Research Park Drive
 Davis, CA 95618-4852

Nonprofit Org.
 U.S. Postage
PAID
 UC Davis

Key Code
 0 9 1 1 8 1 - Z Z