The OSHA Training Institute (OTI) at the USF College of Public Health, located in OSHA Region IV, is one of a national network of OTI Education Centers. As an OTI Education Center, we offer a wide array of courses designed to help businesses increase their safety culture’s competence level, develop effective workplace safety and health programs, and reduce the incidence and cost of workplace injuries and fatalities. The home location for the Region IV OTI is the University of South Florida’s College of Public Health (COPH). The USF College of Public Health is the only accredited school of public health in Florida and is located in a beautiful building on the main USF Tampa campus.

As the acknowledged leading provider of public health education in Florida, the USF College of Public Health is also home to the Florida 21(d) program, the USF Safety Florida OSHA Consultation Program. In addition, the College administers the Sunshine Education and Research Center (ERC) funded by the National Institute for Occupational Safety and Health (NIOSH).

To accommodate the needs of our students, courses are available in sunny locations throughout Florida: Orlando, Ft. Myers, Miami, Ft. Lauderdale, Tampa, Jacksonville, Key West, and Clearwater Beach. Beginning in 2004, classes will also be available in other states, including North Carolina, South Carolina, Georgia, Alabama, Mississippi, Kentucky, and Tennessee.

Our goal as a Region IV OTI Education Center is to increase the accessibility of OSHA Training Institute courses to Florida workers. Having a central location and a staff that is aware of local and statewide safety and health concerns can help us tailor our courses to our audience. Raising these individuals’ awareness of safety and health issues and demonstrating the value of implementing safety and health programs to all businesses will contribute to a decrease in the rates of injury and illness and lower their workers’ compensation costs.

The USF OTI Education Center delivers high standards in innovation and productivity. We are excited about the potential success that lies ahead, and look forward to seeing you in one of our future course offerings.

For More Information log onto: http://www.usfoticenter.org
OR Call your #1 Source for OSHA Training Toll Free: (866)697-0975
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Registration Form

Course Number _______ Course Date _______
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Easy ways to register!

Fax your completed registration form with credit card information to: 813-974-7860.

Web Registration: The Course Offerings are posted on the website at www.publichealth.usf.edu/conted—click on Current Calendar. The secure registration site is located at www.pware.com/1303 and this site is linked from the Course Offerings site for your convenience.

Mail your completed registration form and check to:
Continuing Professional Education
USF College of Public Health
12901 Bruce B Downs Blvd., MDC46
Tampa, FL 33612-4742

For registration information, please call 1-888-usf-coph and press “2” or email to conted@hsc.usf.edu

For content questions, please call 1-866-697-0975
This course introduces federal safety and health personnel to the OSHA Act, Executive Order 12196, 29 CFR 1960, and 29 CFR 1910. It enables them to recognize basic safety and health hazards in their own workplaces and to effectively assist agency safety and health officers in their inspection and abatement efforts. OSHA's 29 CFR 1910 General Industry Standard (1900-1910.999 and 1910.1000 to end) will be provided.

COURSE OBJECTIVES

Upon completion of the course, participants will be able to:

- Describe the OSHA Act, 29 CFR 1960 and 29 CFR 1910;
- Describe major provisions of Executive Order 12196;
- Identify selected safety and health hazards and the corresponding OSHA standards, such as machine guarding, portable tools, welding, cutting, and brazing;
- Describe abatement methods for selected safety and health hazards such as hazardous materials; and
- Explain and apply workplace inspection procedures consistent with established OSHA policies, procedures, and directives.

COURSE TOPICS

- Hazard communication
- Inspection field trip, write-up, and review
- Introduction to accident investigation
- Introduction to the OSHA Act and 29 CFR 1960
- Introduction to OSHA standards and hazard violation workshop and review
- Office safety
- Walking and working surfaces
- Means of egress and fire protection
- Personal protective equipment
- Material handling
- Electrical standards
- Introduction to industrial hygiene

This 4 hour course is designed to assist employers in identifying and fulfilling their responsibilities for posting certain records, maintaining records of illnesses and injuries and reporting specific cases to OSHA. Several practice sessions are included. This course is for employees of the private sector companies who have responsibilities under OSHA's revised Recordkeeping Rule 29 CFR 1904, which took effect January 1, 2002.

COURSE OBJECTIVES

At the conclusion of this session, participants will be able to:

- Identify the OSHA requirements for recordkeeping, posting, and reporting; and
- Complete the new OSHA forms 300, 300A, and 301.

AGENDA

7:30 am Registration
8:00 am Welcome and Overview of Morning
8:10 am Review of Recordkeeping Rule: who is covered, and recordkeeping criteria
9:30 am Break
9:45 am Review of Recordkeeping Rule and Forms 300, 300A, and 301

Putting it all together: Case examples and practice sessions

11:30 am Posting and Reporting Requirements
12:00 pm Summary, Evaluation, and Adjourn
This course covers the requirements for the establishment, maintenance, and monitoring of a respirator program.

**COURSE OBJECTIVES**

Upon completion of the course, participants will be able to:
- Identify and describe the major elements of a respiratory protection program following 29 CFR 1910.134;
- Discuss the technical aspects for the proper selection and use of respirators; and
- Evaluate compliance with OSHA’s respiratory protection standard.

**COURSE HIGHLIGHTS**

- Laboratories on respirator selection
- Qualitative fit testing
- Use of a large array of respiratory and support equipment for hands-on training

**COURSE TOPICS**

- Terminology
- OSHA and ANSI standards
- NIOSH certifications and medical evaluation recommendations
- Supplied air respirators
- Self-contained breathing apparatus
- Confined space entry
- Respirator fit testing
- Respirator selection
- Maintenance and care
- Medical evaluations
- Training and information
- Respirator use
- Recordkeeping

**SPECIAL COURSE BENEFITS**

1. Participants will conduct task analysis of actual videotaped jobs looking for musculoskeletal disorder risk factors.
2. Working as a team, participants will then apply the concepts presented in the class to develop effective control strategies for each job.

Note: Participation in the qualitative fit testing laboratory requires medical approval to wear a half-mask air-purifying respirator.

This course is the prerequisite to the OTI 501 course. It will cover OSHA policies, procedures, and standards for the construction industry as well as safety and health principles. Each section of the OSHA Construction Standards will be covered. Special emphasis will be placed on those areas that are more hazardous, using OSHA standards as a guide. OSHA’s 29 CFR 1926 Construction Safety Standard will be provided.

**COURSE OBJECTIVES**

Upon completion of the course, participants will be able to:
- Select the appropriate OSHA standards that apply to a hazard;
- Identify elements of a successful construction safety program;
- Identify the more frequently cited OSHA standards and recommendations;
- Implement an effective recordkeeping procedure.

**COURSE TOPICS**

- Physiology
- Anthropometry
- Cumulative trauma disorders
- Manual lifting
- Back injury control
- Job hazard analysis
- Medical surveillance
- Administrative and engineering controls
- NIOSH work practices guide to manual lifting
- Heat stress

**SPECIAL COURSE BENEFITS**

This course is provided for private sector personnel covers OSHA policies, procedures, and standards, as well as general industry safety and health principles. Beginning October 2003 this course will be a required prerequisite to the OTI 501 course. Topics include scope and application of the OSHA general industry standards. Special emphasis is placed on those areas that are the most hazardous, using OSHA standards as a guide. OSHA’s 29 CFR 1910 General Industry Safety Standard will be provided. Upon successful course completion, the student will receive an OSHA General Industry Safety and Health 30-hour course completion card.

**COURSE OBJECTIVES**

Upon completion of the course, participants will be able to:
- List improvements in job, workstation, and equipment design that can reduce the potential for musculoskeletal injury; and
- Analyze manual lifting tasks and estimate reasonable lifting limits.

**COURSE TOPICS**

- Terminology
- OSHA and ANSI standards
- NIOSH certifications and medical evaluation recommendations
- Supplied air respirators
- Self-contained breathing apparatus
- Confined space entry
- Respirator fit testing
- Respirator selection
- Maintenance and care
- Medical evaluations
- Training and information
- Respirator use
- Recordkeeping

**SPECIAL COURSE BENEFITS**

1. Participants will conduct task analysis of actual videotaped jobs looking for musculoskeletal disorder risk factors.
2. Working as a team, participants will then apply the concepts presented in the class to develop effective control strategies for each job.
502 - Update for Construction Industry Outreach Trainers
Course Fee: $450.00
Key West, FL
Date: 02/11/04 - 02/13/04
Tampa, FL
Date: 03/31/04 - 04/02/04
Clearwater Beach, FL
Date: 10/08/03 - 10/10/03
Orlando, FL
Date: 08/26/03 - 08/28/03
Date: 01/07/04 - 01/09/04
Date: 04/24/04 - 04/30/04

This course is designed for personnel in the private sector who have completed the OTI 500 instructor course. It is designed to focus on recent changes to OSHA’s most common hazards and violations. OSHA’s 29 CFR 1926 Construction Industry Standard will be provided. Construction Industry voluntary compliance outreach trainers are required to take this course every four years. If your card has expired you must take the OTI 500 course.

COURSE OBJECTIVES
Upon completion of the course, participants will be able to:
• Recommend current OSHA construction requirements and policies;
• Describe new construction standards;
• Identify training material resources; and
• Apply techniques and resources used by other construction outreach trainers.

503 - Update for General Industry Outreach Trainers
Course Fee: $450.00
Clearwater Beach, FL
Date: 09/23/03 - 09/25/03
Tampa, FL
Date: 11/19/03 - 11/21/03
Date: 03/31/04 - 04/02/04
Key West, FL
Date: 01/28/04 - 01/30/04
Orlando, FL
Date: 06/23/04 - 06/25/04

This course is designed for private sector personnel who have completed the OTI 501 instructor course. It is designed to focus on recent changes in OSHA standards with regard to the most common hazards and violations. OSHA’s 29 CFR 1910 Construction Industry Standard will be provided. This course is required for general industry voluntary compliance outreach trainers every four years. If your card has expired you must take the OTI 501 course.

COURSE OBJECTIVES
Upon completion of the course, participants will be able to:
• Locate and apply recently adopted or revised OSHA safety and health standards, policies, and procedures;
• Use recent changes in OSHA standards and regulations to supplement an ongoing safety and health program;
• Identify common violations of OSHA standards and propose abatement actions;
• Describe recent developments in abatement procedures for selected safety hazards; and
• Conduct internal training on OSHA regulations.

COURSE TOPICS
• OSHA inspection policies
• OSHA procedures
• OSHA standards

2264 - Permit-Required Confined Space Entry
Course Fee: $500.00
Tampa, FL
Date: 06/21/04 - 06/24/04

This course is designed to increase students’ knowledge of hazards associated with confined space entry and their environment.

COURSE OBJECTIVES
Upon completion of the course, participants will be able to:
• Define terms specific to permit-required confined space operations;
• Identify current standards governing permit-required confined space entry procedures;
• Describe hazards associated with permit spaces;
• Demonstrate the proper operation of certain testing instruments and explain their limitations; and
• Describe appropriate ventilation, personal protective equipment, and emergency procedures that are necessary for entry into permit spaces.

COURSE TOPICS
• Permit space hazards
• Entry procedures
• Ventilation requirements
• Personal protective equipment
• Permit system

Note: Some math will be required; participants will need calculators with log functions.

3010 - Excavation, Trenching, and Soil Mechanics
Course Fee: $500.00
Tampa, FL
Date: 02/02/04 - 02/05/04
Orlando, FL
Date: 09/20/04 - 09/23/04

This course focuses on OSHA standards and on the safety aspects of excavation and trenching. Students are introduced to practical soil mechanics and its relationship to the stability of shored and unshored slopes and walls of excavations. Various types of shoring (wood timbers and hydraulic) are covered. Testing methods are demonstrated and an exercise is conducted, allowing students to use instruments such as penetrometers, torvane shears, and engineering rods.

COURSE HIGHLIGHT
Exercise on use of instrumentation and soil testing methods.

COURSE TOPICS
• Excavations
• Soil classification
• Sloping and benching
• Timber shoring for trenches
• Aluminum hydraulic shoring for trenches
• Alternatives to timber shoring
• Selection of protective systems
This course is designed to provide the participant with an overview of electrical installations and equipment. Emphasis is placed on controlling electrical hazards by the application of OSHA standards and the National Electrical Code.

**Course Objectives**

Upon completion of the course, participants will be able to:

- Discuss the effects of electrical current on the human body with respect to voltage, current path, and the duration of exposure;
- Understand OSHA electrical standards;
- Detect electrical hazards, determine which OSHA standards apply, and achieve the appropriate abatement;
- Understand the proper use of safety electrical test equipment; and
- Understand how the National Electrical Code ties into OSHA’s electrical standard.

**Course Topics**

- Electrical fundamentals
- Grounding requirements
- Over current protection
- Single- and three-phase systems
- Electrical requirements for portable equipment
- Electrical requirements for fixed equipment
- Ground fault circuit interrupters
- Hazardous locations
- Electrical safety-related work practices
- Dielectric personal protective equipment
- Temporary wiring
- Portable generators
- Branch circuits

*Note: There will also be an electrical lab as part of this course.*

This course provides an overview of state-of-the-art technology for fall protection and current OSHA requirements. Topics covered include the principles of fall protection, the components of fall arrest systems, the limitations of fall arrest equipment, and OSHA policies regarding fall protection. Course features a one-day field exercise demonstrating fall protection equipment.

**Prerequisites**

All participants must have completed OTI 510, or have equivalent construction training or experience.

**Course Objectives**

Upon completion of the course, participants will be able to:

- Identify various types of fall protection and their components;
- Recognize fall hazards and identify abatement methods for fall hazards;
- Define the proper use of fall protection equipment and personal fall arrest systems; and
- Select proper standards for citation purposes.

**Course Topics**

- 29 CFR 1926 Subpart M
- Sample Fall Protection plans
- Consensus standards and summaries
- Fall hazard analysis
- Fall accidents and fatalities
- Litigation decisions
- Pre and post test

**Personal Protective Equipment**

Safery shoes, safety glasses, and appropriate clothing for field exercise are required.

This course is designed for persons in the private sector interested in developing safety and health programs in the construction industry. Special emphasis will be placed on those areas in construction that are the most hazardous, using OSHA standards as a guide. Course participants will also be taught effective training techniques. Participants who successfully complete the course and pass a multiple-choice test will become OSHA trainers, authorized to conduct both 10- and 30-hour construction courses. OSHA’s 29 CFR 1926 Construction Industry Standard will be provided.

**Prerequisites**

Five years relevant experience in the construction safety and health field and attendance in a week-long construction safety and health course (OTI 510) is a prerequisite.

**Course Objectives**

Upon completion of the course, participants will be able to:

- Define construction terms found in the OSHA standards;
- Present effective safety and health training programs in accordance with OSHA’s construction standards, regulations, and guidelines;
- Identify hazards that occur in the construction industry and determine appropriate standards;
- Prepare reports citing the conditions found; and
- Identify methods to correct hazards.

**Course Topics**

- Introduction to OSHA standards
- Safety programs
- OSHA inspections, targeting, and penalties
- Training techniques
- Hazard communication
- Health hazards in construction and personal protective equipment
- Walking and working surfaces
- Scaffolding
- Electrical
- Courses and rigging
- Ladders and stairs
- Tools, welding
- Confined space entry, trenching
- Health hazards in construction
- Personal protective equipment
- Concrete construction, steel erection
- Recordkeeping

**COURSE TOPICS**

- Introduction to OSHA standards and hazard violation workshop
- Overview of the OSHA Act and 29 CFR 1910
- Citations and proposed penalties
- Means of egress and fire protection
- Personal protective equipment
- Material handling
- Electrical safety standards and work practices
- Hazard communication
- Introduction to industrial hygiene
- Machine guarding, Lockout/tagout
- Walking/working surfaces
- OSHA recordkeeping
- Ergonomics
This course is designed to provide the participant with an overview of electrical installations and equipment. Emphasis is placed on controlling electrical hazards by the application of OSHA standards and the National Electrical Code.

**COURSE OBJECTIVES**

Upon completion of the course, participants will be able to:

- Discuss the effects of electrical current on the human body with respect to voltage, current path, and the duration of exposure;
- Understand OSHA electrical standards;
- Detect electrical hazards, determine which OSHA standards apply, and achieve the appropriate abatement;
- Understand the proper use of safety electrical test equipment; and
- Understand how the National Electrical Code ties into OSHA's electrical standard.

**COURSE TOPICS**

- Electrical fundamentals
- Grounding requirements
- Over current protection
- Single-and-three-phase systems
- Electrical requirements for portable equipment
- Electrical requirements for fixed equipment
- Ground fault circuit interrupters
- Hazardous locations
- Electrical safety-related work practices
- Dielectric personal protective equipment
- Temporary wiring
- Portable generators
- Branch circuits

*Note: There will also be an electrical lab as part of this course.*

This course provides an overview of state-of-the-art technology for fall protection and current OSHA requirements. Topics covered include the principles of fall protection, the components of fall arrest systems, the limitations of fall arrest equipment, and OSHA policies regarding fall protection. Course features a one-day field exercise demonstrating fall protection equipment.

**PREREQUISITES**

All participants must have completed OTI 510, or have equivalent construction training or experience.

**COURSE OBJECTIVES**

Upon completion of the course, participants will be able to:

- Identify various types of fall protection and their components;
- Recognize fall hazards and identify abatement methods for fall hazards;
- Define the proper use of fall protection equipment and personal fall arrest systems; and
- Select proper standards for citation purposes.

**COURSE TOPICS**

- 29 CFR 1926 Subpart M
- Sample Fall Protection plans
- Consensus standards and summaries
- Fall hazard analysis
- Fall accidents and fatalities
- Litigation decisions
- Pre and post test

**PERSONAL PROTECTIVE EQUIPMENT**

Safety shoes, safety glasses, and appropriate clothing for field exercise are required.

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This course is designed for persons in the private sector interested in developing safety and health programs in the construction industry. Special emphasis will be placed on those areas of construction that are the most hazardous, using OSHA standards as a guide. Course participants will also be taught effective training techniques. Participants who successfully complete the course and pass a multiple choice test will become outreach trainers, authorized to conduct both 10 and 30 hour construction courses.

**COURSE OBJECTIVES**

For classes after September 2003: Five years relevant experience in the construction safety and health field and attendance in a week long construction safety and health course (OTI 510, see page 9). For classes before September 2003: Five years relevant experience in the construction safety and health field and attendance in a week-long general industry safety and health course (OTI 511, see page 9).

**PREREQUISITES**

- Understand OSHA electrical standards;
- Detect electrical hazards, determine which OSHA standards apply, and achieve the appropriate abatement;
- Understand the proper use of safety electrical test equipment; and
- Understand how the National Electrical Code ties into OSHA's electrical standard.

**COURSE TOPICS**

- Electrical fundamentals
- Grounding requirements
- Over current protection
- Single-and-three-phase systems
- Electrical requirements for portable equipment
- Electrical requirements for fixed equipment
- Ground fault circuit interrupters
- Hazardous locations
- Electrical safety-related work practices
- Dielectric personal protective equipment
- Temporary wiring
- Portable generators
- Branch circuits

*Note: There will also be an electrical lab as part of this course.*
This course is designed to increase students' knowledge of hazards associated with confined space entry and their environment.

**Course Objectives**

Upon completion of the course, participants will be able to:

- Define terms specific to permit-required confined space operations;
- Identify current standards governing permit-required confined space entry procedures;
- Describe hazards associated with permit spaces;
- Demonstrate the proper operation of certain testing instruments and explain their limitations; and
- Describe appropriate ventilation, personal protective equipment, and emergency procedures that are necessary for entry into permit spaces.

**Course Topics**

- Permit space hazards
- Entry procedures
- Ventilation requirements
- Personal protective equipment
- Permit system

*Note: Some math will be required; participants will need calculators with log functions.*
This course covers the requirements for the establishment, maintenance, and monitoring of a respirator program.

**COURSE OBJECTIVES**

Upon completion of the course, participants will be able to:

- Identify and describe the major elements of a respiratory protection program following 29 CFR 1910.134;
- Discuss the technical aspects for the proper selection and use of respirators; and
- Evaluate compliance with OSHA's respiratory protection standard.

**COURSE HIGHLIGHTS**

- Laboratories on respirator selection
- Qualitative fit testing
- Use of a large array of respiratory and support equipment for hands-on training

**COURSE TOPICS**

- Terminology
- OSHA and ANSI standards
- NIOSH certifications and medical evaluation recommendations
- Supplied air respirators
- Self-contained breathing apparatus
- Confined space entry
- Respirator fit testing
- Respirator selection
- Maintenance and care
- Medical evaluations
- Training and information
- Respirator use
- Recordkeeping

Note: Participation in the qualitative fit testing laboratory requires medical approval to wear a half-mask air-purifying respirator.

This course introduces students to the applications of ergonomic principles for the reduction of stress and strain to an employee's body and the control of workplace musculoskeletal and nerve disorders.

**COURSE OBJECTIVES**

Upon completion of the course, participants will be able to:

- Describe the impact of job and workplace design on employee safety and health;
- Identify workplace characteristics that may contribute to cumulative trauma disorders;
- List improvements in job, workstation, and equipment design that can reduce the potential for musculoskeletal injury; and
- Analyze manual lifting tasks and estimate reasonable lifting limits.

**COURSE TOPICS**

- Physiology
- Anthropometry
- Cumulative trauma disorders
- Manual lifting
- Back injury control
- Job hazard analysis
- Medical surveillance
- Administrative and engineering controls
- NIOSH work practices guide to manual lifting
- Heat stress

**SPECIAL COURSE BENEFITS**

1. Participants will conduct risk analysis of actual videotaped jobs looking for musculoskeletal disorder risk factors.
2. Working as a team, participants will then apply the concepts presented in the class to develop effective control strategies for each job.

Note: Some math will be required; participants will need calculators with basic functions.

**COURSE OBJECTIVES**

Upon completion of the course, participants will be able to:

- Identify the more frequently cited OSHA standards; and
- Identify workplace characteristics that may contribute to cumulative trauma disorders; and
- List improvements in job, workstation, and equipment design that can reduce the potential for musculoskeletal injury; and
- Analyze manual lifting tasks and estimate reasonable lifting limits.

**COURSE TOPICS**

- Physiology
- Anthropometry
- Cumulative trauma disorders
- Manual lifting
- Back injury control
- Job hazard analysis
- Medical surveillance
- Administrative and engineering controls
- NIOSH work practices guide to manual lifting
- Heat stress

**SPECIAL COURSE BENEFITS**

1. Participants will conduct risk analysis of actual videotaped jobs looking for musculoskeletal disorder risk factors.
2. Working as a team, participants will then apply the concepts presented in the class to develop effective control strategies for each job.

Note: Participation in the qualitative fit testing laboratory requires medical approval to wear a half-mask air-purifying respirator.
SAFETY & HEALTH

COURSE OBJECTIVES

Upon completion of the course, participants will be able to:

2. Describe major provisions of Executive Order 12196;
3. Identify selected safety and health hazards and the corresponding OSHA standards, such as machine guarding, portable tools, welding, cutting, and brazeining;
4. Describe abatement methods for selected safety and health hazards such as hazardous materials and
5. Explain and apply workplace inspection procedures consistent with established OSHA policies, procedures, and directives.

COURSE TOPICS

- Hazard communication
- Inspection field trip, write-up, and review
- Introduction to accident investigation
- Introduction to the OSHA Act and 29 CFR 1960
- Introduction to OSHA standards and hazard violation workshop and review
- Office safety
- Walking and working surfaces
- Means of egress and fire protection
- Personal protective equipment
- Material handling
- Electrical standards
- Introduction to industrial hygiene

This course introduces federal safety and health personnel to the OSHA Act, Executive Order 12196, 29 CFR 1960, and 29 CFR 1910. It enables them to recognize basic safety and health hazards in their own workplaces and to effectively assist agency safety and health officers in their inspection and abatement efforts. OSHA’s 29 CFR 1910 General Industry Standard (1900–1910.999 and 1910.1000 to end) will be provided.

COURSE OBJECTIVES

At the conclusion of this session, participants will be able to:

1. Identify the OSHA requirements for recordkeeping, posting, and reporting; and
2. Complete the new OSHA forms 300, 300A, and 301.

AGENDA

7:30 am Registration
8:00 am Welcome and Overview of Morning
8:10 am Review of Recordkeeping Rule: who is covered, and recordkeeping criteria
9:30 am Break
9:45 am Review of Recordkeeping Rule and Forms 300, 300A, and 301

Putting it all together: Case examples and practice sessions
11:30 am Posting and Reporting Requirements
12:00 pm Summary, Evaluation, and Adjourn

This 4 hour course is designed to assist employers in identifying and fulfilling their responsibilities for posting certain records, maintaining records of illnesses and injuries and reporting specific cases to OSHA. Several practice sessions are included. This course is for employees of the private sector companies who have responsibilities under OSHA’s revised Recordkeeping Rule 29 CFR 1904, which took effect January 1, 2002.

COURSE TOPICS

- Flammable and combustible liquids
- Compressed gases
- LP-gas
- Cryogenic liquids
- Spraying and dipping processes
- Electrical equipment
- Process Safety Management
- Hazardous Waste Operations and Emergency Response
- Permit-required confined space entry

This course is designed to give participants an overview of OSHA’s General Industry standards and other consensus and proprietary standards that relate to hazardous materials.

COURSE OBJECTIVES

Upon completion of the course, participants will be able to:

1. Describe methods for detecting unsafe storage conditions for hazardous materials;
2. Explain electrical factors that may contribute to the creation or abatement of hazardous conditions;
3. Relate hazardous conditions and unsafe procedures to the appropriate standards for abatement action;
4. Specify the necessary precautions for hazardous operations, such as the dispensing of flammable and combustible liquids;
5. Describe proper abatement techniques for selected industrial hazards.

COURSE OBJECTIVES

Upon completion of the course, participants will be able to:

1. Identify common machines and associated hazards found within a broad spectrum of industries;
2. Identify hazards that occur around machinery, including, but not limited to, woodworking equipment, metal working equipment, and mechanical power presses;
3. Identify additional hazards common to abrasive wheels, power transmissions, mills and calendars, and portable tool safeguarding;
4. Select the appropriate OSHA standards that apply to a hazard; and
5. Present options to achieve abatement.

COURSE TOPICS

- Hazards and standards workshop
- Review of machinery and machine guarding
- Review of guarding and devices
- Control of hazardous energy sources (lockout/tagout)
- Electrical safety-related work practices

This course familiarizes the student with a wide variety of common machinery, related safety standards, and guarding methods. Guidance is provided with respect to the hazards associated with various kinds of machinery and the control of hazardous energy sources (lockout/tagout). The course presents an approach to machine inspection that enables participants to recognize hazards and applicable standards and provides options to achieve abatement.

COURSE OBJECTIVES

Upon completion of the course, participants will be able to:

1. Identify common machines and associated hazards found within a broad spectrum of industries;
2. Identify hazards that occur around machinery, including, but not limited to, woodworking equipment, metal working equipment, and mechanical power presses;
3. Identify additional hazards common to abrasive wheels, power transmissions, mills and calendars, and portable tool safeguarding;
4. Select the appropriate OSHA standards that apply to a hazard; and
5. Present options to achieve abatement.

COURSE TOPICS

- Hazards and standards workshop
- Review of machinery and machine guarding
- Review of guarding and devices
- Control of hazardous energy sources (lockout/tagout)
- Electrical safety-related work practices

Special Course Benefits

1. Participants will tour a private sector facility with extensive industrial hazards, such as hazardous materials, and recordkeeping criteria and requirements for employees of the private sector companies who have responsibilities under OSHA’s revised Recordkeeping Rule 29 CFR 1904, which took effect January 1, 2002.
2. Participants will be given an opportunity to apply hazard recognition concepts on a site inspection at an operating facility with a variety of machine operations. They will evaluate and document any machinery and machine guarding hazards, and then return to the classroom to research the standards for citation references.

Personal Protective Equipment

Safety shoes, safety glasses, and appropriate clothing for field exercise are required.
Register Form

**Course Number** ________  **Course Date** ________  
**Course Location** ________  **Price Per Person** ________

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**Easy ways to register!**

Fax your completed registration form with credit card information to: 813-974-7860.

Web Registration: The Course Offerings are posted on the website at [www.publichealth.usf.edu/conted](http://www.publichealth.usf.edu/conted) – click on Current Calendar. The secure registration site is located at [www.pware.com/1303](http://www.pware.com/1303) and this site is linked from the Course Offerings site for your convenience.

Mail your completed registration form and check to:

Continuing Professional Education  
USF College of Public Health  
12901 Bruce B Downs Blvd., MDC46  
Tampa, FL 33612-4742

For registration information, please call 1-888-usf-coph and press “2” or email to conted@hsc.usf.edu

For content questions, please call 1-866-697-0975
The OSHA Training Institute (OTI) at the USF College of Public Health, located in OSHA Region IV, is one of a national network of OTI Education Centers.

As an OTI Education Center, we offer a wide array of courses designed to help businesses increase their safety culture’s competence level, develop effective workplace safety and health programs, and reduce the incidence and cost of workplace injuries and fatalities. The home location for the Region IV OTI is the University of South Florida’s College of Public Health (COPH). The USF College of Public Health is the only accredited school of public health in Florida and is located in a beautiful building on the main USF Tampa campus.

As the acknowledged leading provider of public health education in Florida, the USF College of Public Health is also home to the Florida 21(d) program, the USF SafetyFlorida OSHA Consultation Program. In addition, the College administers the Sunshine Education and Research Center (ERC) funded by the National Institute for Occupational Safety and Health (NIOSH).

To accommodate the needs of our students, courses are available in sunny locations throughout Florida: Orlando, Ft. Myers, Miami, Ft. Lauderdale, Tampa, Jacksonville, Key West, and Clearwater Beach. Beginning in 2004, classes will also be available in other states, including North Carolina, South Carolina, Georgia, Alabama, Mississippi, Kentucky, and Tennessee.

Our goal as a Region IV OTI Education Center is to increase the accessibility of OSHA Training Institute courses to Florida workers. Having a central location and a staff that is aware of local and statewide safety and health concerns can help us tailor our courses to our audience. Raising these individuals’ awareness of safety and health issues and demonstrating the value of implementing safety and health programs to all businesses will contribute to a decrease in the rates of injury and illness and lower their workers’ compensation costs.

The USF OTI Education Center delivers high standards in innovation and productivity. We are excited about the potential success that lies ahead, and look forward to seeing you in one of our future course offerings.

For More Information log onto: http://www.usfoticenter.org
OR Call your #1 Source for OSHA Training Toll Free: (866)697-0975