



Safety FOCUS

Immersive Education
for Safety Professionals

Course Catalog

February 8 – 12 & February 15 – 19, 2021

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BUSINESS SKILLS/PERSONAL DEVELOPMENT

Professional Ethics for the Safety Leader

Description: This course provides insight into the world of professional ethics. It will provide context and experiential learning opportunities through lectures and group activities. An exploration of ethics from a historical perspective will seek to expand your understanding of how ethics has been viewed and used throughout civilization. Groups will analyze various professional codes of conduct and codes of ethics, evaluating what they do and do not say for the safety profession. Then, they will use a practical approach, as presented through case studies, to present new guidelines on ethical behavior in safety. Enhancing your understanding of ethics, and how you can be unwittingly be persuaded into unethical behavior, will enrich your career and strengthen your credibility.

Learning Objectives:

- Demonstrate a general understanding of ethics as you conduct your work in the safety profession
- Behave ethically while working in the safety profession
- Exercise ethical behavior when managing interdisciplinary relationships
- Evaluate situations in the context of professional ethics, ethical codes, individual understanding, and the impediments of responsible action
- Utilize ethical behavior practices that add to the value of safety

Level: Intermediate

Track: Business Skills/Personal Development

Length: 1 Day

CEUs: 0.7

Instructor(s): James Boretti, CSP and Wyatt Bradbury, CSP, CHST, CIT

Date(s): Monday, February 8, 2021

Becoming an Effective Independent Consultant

Description: Occupational safety and health (OSH) professionals often have expertise in specific industries or areas of practice that they would like to share with other organizations. The challenge is that technical expertise is not enough to start a consulting practice and make that business financially successful in the long term. This course will offer the opportunity for OSH professionals to explore what it takes to run a consulting business, beyond providing OSH expertise. It will include the traits entrepreneurs have found to be successful; basic business operations such as business plans, legal structure, financial issues, insurance, pricing strategy, proposals, contracts and letters of agreement; and finally the marketing and sales processes that may be needed to bring in consulting work. Throughout the course, participants can network with other OSH professionals at different stages of their consulting journey and gain insight from a safety professional who successfully transitioned from employee to consulting firm owner.

Learning Objectives:

- Discuss the traits that are often found in successful entrepreneurs

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- Identify the basic business operations of an independent consulting practice
- Discuss three methods of pricing safety and health consulting services
- Describe three marketing strategies that can differentiate consulting products or services
- Identify the elements that are usually found in a winning proposal

Level: Advanced

Track: Business Skills/Personal Development

Length: 1 Day

CEUs: 0.7

Instructor(s): Deborah R. Roy, MPH, CSP, COHN-S, CIT, FASSP

Date(s): Wednesday, February 10, 2021

Storytelling Warrior: Tools to Combat the Disengaged Safety Mind

Description: Traditional training methods have shown that participants only retain between 8% and 10% of the information that is delivered. Every day the safety industry requires workers to remain up to date and committed to the learning process. Storytelling is an engaging and compelling way to deliver a message to an audience that may otherwise have become disengaged from the learning process. This course delves into the power of storytelling by providing learners with the understanding and narrative to deliver their own message in a new and unique way. Participants will focus on building a connection with the audience, creating a foundation for a story, diving into the meaning of a story and bringing together all the pieces of the storytelling puzzle.

Learning Objectives:

- Identify what makes a story effective and engaging to the listener
- Create connections with an audience through credible mini stories
- Develop a storytelling strategy that helps facilitate learning
- Write a story that is influential and dynamic using the ABC method
- Recognize the difference between the four types of stories

Level: Beginner

Track: Business Skills/Personal Development

Length: 1 Day

CEUs: 0.7

Instructor(s): Cole L. Tait

Date(s): Thursday, February 11, 2021

Selling Safety to the Front Line

Description: This course will focus on the soft skills needed to influence the behavior of frontline employees. Safety can be a tough sell. Even the word “safety” may have negative connotations for those who associate it with investigations, audits and disciplinary action. Safety professionals, supervisors and operations managers must be able to sell safety at every level of the organization — not just to senior leaders. Beyond following procedures, workers can be proactive in identifying and addressing hazards. This course teaches selling techniques that will help you achieve frontline involvement in safety.

Learning Objectives:

- Apply key selling techniques to influence worker behavior Illustrate the importance of influencing frontline employees in building a strong safety culture
- Complete a safety leadership self-assessment and develop a personal action plan

Level: Beginner

Track: Business Skills/Personal Development

Length: 1 day

CEUs: 0.7

Instructor(s): Patrick Karol, CSP, ARM, SMS, CIT

Date(s): Monday, February 15, 2021

Great Leaders Don't Solve Problems: Principles and Practices for Finding and Preventing Hidden Safety Problems

Description: Good leaders solve problems, but great leaders prevent problems from happening. The safety profession is about prevention, and safety professionals must be experts in identifying the opportunities that exist in potential problems and preventing the problems that lead to injuries and fatalities. We must apply this knowledge to genuinely add value to our organizations. Explore ways to employ servant-leadership principles and best practices for identifying problems across the various levels in an organization before problems arise.

Learning Objectives:

- Proactively identify hidden safety problems in their organization
- Identify common barriers to becoming a problem finder and describe how to overcome these barriers
- Identify organizational practices and culture that prevents workers and leaders from failing safely and learning from mistakes
- Develop organizational metrics that enable a systematic approach to identifying problems before they happen
- Select effective countermeasures for prevention before problems mushroom and result in injuries and harm
- Advise frontline supervisors on ways to engage their teams in discovering hidden problems and enthusiastically participating in safety efforts

Level: Intermediate

Track: Business Skills/Personal Development

Length: 2 days

CEUs: 1.4

Instructor(s): Barry S. Spurlock, J.D., CSP; Earl Blair, Ph.D., CSP, FASSP

Date(s): Monday, February 15 - Tuesday, February 16, 2021

Strategic Thinking for Excellence in Safety

Description: Strategic thinking is a vital characteristic of any leader. Organizations view strategic thinking as a highly desired skill for corporate leaders. Develop skills to achieve greater consciousness in your thinking, which sets the stage for you to be a more proactive, creative and successful leader within your organization. Being strategic means having the courage to think deeply about what you want to do and achieve.

Learning Objectives:

- Learn to distinguish between strategic thinking and operational decision-making, and apply a strategic thinking process to increase the effectiveness of organizational performance
- Identify characteristics of strategic thinking, and will be able to develop strategies to increase personal thinking skills using creativity, intuition, planning, and lateral thinking

- Identify barriers to effective decision making and understand how to develop strategies to overcome these barriers

Level: Intermediate

Track: Business Skills/Personal Development

Length: 1 day

CEUs: 0.7

Instructor(s): Patricia M. Ennis, CSP, ARM

Date(s): Tuesday, February 16, 2021

Technical Writing Skills for the Safety Professional

Description: As an occupational safety and health (OSH) professional, you are expected to write, review, edit and update technical documents in your organization. Develop skills to create content for OSH policies, programs and procedures to satisfy regulatory compliance, and apply best practices for all types of workforces. Review technical writing skills and concepts, with in-class workshops to help you practice writing and editing materials.

Learning Objectives:

- Realize the importance of written communication
- Identify the OSHA regulations that require written programs and procedures
- Explain the difference between policies, programs, procedures, guideline, safety manuals, handbooks and other documents
- Outline and develop content for policies, programs and procedures
- Identify the key principles of technical writing and words and phrases to avoid
- Evaluate written documents currently in place at your organization
- Assess grammar, spelling and punctuation
- Review the best practices for writing effective electronic correspondence (e.g., e-mail)

Level: Intermediate

Track: Business Skills/Personal Development

Length: 1 day

CEUs: 0.7

Instructor(s): Cynthia E. Braun, CSP, CHMM, CIT

Date(s): Tuesday, February 16, 2021

8 Conflict Management and Resolution Skills for Safety Professionals

Description: How often are safety issues conflicts that just happen to be about safety? Managing conflict is part of the role of a safety professional. This course will examine the nature of constructive workplace conflict. It will provide the opportunity to explore what works and doesn't work in resolving conflict and cover eight key skills for success, including communication and active listening. Throughout the course, learners will participate in discussions, activities, role playing and more.

Learning Objectives:

- Describe the nature of conflict, including its pros and cons
- List several beneficial traits for a conflict manager to develop
- Define perspective, perception and human decision-making
- Demonstrate eight key conflict management skills

Level: Intermediate

Track: Business Skills/Personal Development

Length: 1 day

CEUs: 0.7

Instructor(s): Jonathan Klane, M.S., CSP, CIH, CHMM, CIT

Date(s): Tuesday, February 16, 2021

The Power of Influence

Description: As safety professionals we need to lead, persuade others and maximize our personal impact on individuals, groups, and organizations. The ability to influence is an essential leadership skill. To influence is to have an impact on the focus, attitudes, opinions, choices and behaviors of others.

Learning Objectives:

- Understand concepts behind influential leadership
- Recognize the effect of trust on influence and look at how leaders effectively build trust and increase their influence with others
- Understand the six fundamental principles of persuasion and be able to apply them

Level: Intermediate

Track: Business Skills/Personal Development

Length: 1 day

CEUs: 0.7

Instructor(s): Eldeen E. Pozniak, CRSP, CMIOSH

Date(s): Wednesday, February 17, 2021

Establish Your Place in the C-Suite

Description: Your organization's senior management values occupational safety and health (OSH) leadership and will reward it with resources and support. Assess what senior management wants to know about OSH and develop skills to communicate this information to them. Strengthen your connection to the C-suite by developing knowledge of your organization's business goals and senior management's OSH expectations.

Learning Objectives:

- Demonstrate a general understanding of business language and a foundation from which business decisions are made
- Identify the expectations of the C-suite for the OSH process
- Develop, implement and align OSH efforts driven by organizational objectives from the C-suite
- Report on and present OSH data that gain decision-makers attention and involvement

Level: Advanced

Track: Business Skills/Personal Development

Length: 1 day

CEUs: 0.7

Instructor(s): James Boretti, CSP

Date(s): Wednesday, February 17, 2021

Maximizing Your Strengths for Safety and Health Results

Description: This course is for safety and industrial hygiene professionals to examine the unique qualities, attributes and influencing skills they need to create a work environment where employees and managers

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collaborate to identify unsafe conditions. The course will employ the challenges and approaches of experienced professionals through interactive discussion of real scenarios. It will focus on utilizing personal strengths to influence safety culture in a positive manner. The course will be highly interactive and provide the opportunity to practice the communication skills that build employee engagement.

Learning Objectives:

- Use new and practical approaches to effectively communicate and sell your ideas
- Acquire skills to improve relationship-building
- Assess your communication style and learn how to adjust
- Engage workers, supervisors and managers to make safety improvements or investments
- Assess how well you use your strengths for career development

Level: Intermediate

Track: Business Skills/Personal Development

Length: 1 day

CEUs: 0.7

Instructor(s): Rosa Carrillo; Aileen Yankowski, CIH

Date(s): Wednesday, February 17, 2021

Leading Through Trust, Buy-In and Ownership at All Levels

Description: Do you want a safety culture of *have to* or *want to*? At all levels, many leaders unintentionally make mistakes that undermine what they are trying to accomplish. Some harm their own efforts while working to improve performance and culture. To create sustainable, above-and-beyond performance in others, you must create an environment in which individuals feel motivated to provide critical discretionary effort. Learn how in this course.

Learning Objectives:

- Mature your thinking about the role you play in shaping performance and culture
- Understand human motivation and how to get more discretionary effort from people
- Explain the role of coaching and how to apply it in any industry
- Identify how to create a strategy for pursuing excellence in safety performance and culture

Level: Intermediate

Track: Business Skills/Personal Development

Length: 1 day

CEUs: 0.7

Instructor(s): Shawn M. Galloway

Date(s): Wednesday, February 17, 2021

Safety Professional Practice: A Roadmap to Excellence

Description: This course is specifically designed for you to reflect on your professional practice, your beliefs and assumptions about safety, and your role in your organization. The course will delve into the fundamental purpose of a safety professional: safety risk reduction. It will start by explaining the difference between *safety work*, *the safety of work* and *safety clutter*. By connecting your work to the safety of people at your organization, the course will offer the opportunity to challenge your priorities.

Learn to think about the worker as a customer as well as a manager using different safety theories, including human and organizational performance, Safety II, Safety Differently and resilience engineering. Develop practical action plans about how you would like to change your role and commit to doing so.

Learning Objectives:

- Analyze the safety activities in your organization as they relate to worker risk
- Integrate contemporary safety theory into the *what* and *how* of your daily work
- Contribute to the ongoing development of the safety profession by understanding international trends
- Use reflective practice and action learning techniques to improve your professional practice

Level: Advanced

Track: Business Skills/Personal Development

Length: 1 day

CEUs: 0.7

Instructor(s): David Provan

Date(s): Thursday, February 18, 2021

Ramp Up Your Presentation Skills

Description: Ramp up your presentation skills using some of today's best tools and techniques. Gain confidence to present well, from the jobsite to the boardroom. Utilize your laptop and imagination to design, develop and deliver presentations that resonate with audiences.

Learning Objectives:

- Use adult learning modalities, principles and skills to engage varied audiences
- Design, develop and produce engaging presentations using PowerPoint
- Design, develop and produce your own safety videos Deliver a 5-to-10-minute presentation demonstrating skills learned during the course

Level: Intermediate

Track: Business Skills/Personal Development

Length: 1 day

CEUs: 0.7

Instructor(s): James "Skipper" Kendrick, Jr., CSP, CIT, FASSP

Date(s): Thursday, February 18, 2021

Building High-Performance Teams

Description: Building high performing teams requires an understanding of strengths and energizers that allow us to tap into our teams' full potential. This course will help you to learn more about strengths and how you can use this knowledge to build a passionate, motivated team. Your registration includes personalized assessment that you will complete before class. Strengthscope© is a strengths assessment that measures your work-related strengths focused on what gives you energy. (**pre-registration encouraged**).

Learning Objectives:

- Discover what energizes you and how you can use that to maximum effect in your work
- Learn how to utilize your team members' strengths and weaknesses
- Discuss how to use strength-finding tools that enhance recruitment and training

- Create a personal action plan for leading through strengths

Level: Intermediate

Track: Business Skills/Personal Development

Length: 1 day

CEUs: 0.7

Instructor(s): Patricia M. Ennis, CSP, ARM; Jennifer McNelly

Date(s): Friday, February 19, 2021

Business Strategies for the Safety Professional

Description: Safety professionals work hard to achieve safety success. However, safety programs require the funding of corporate budgets. Many safety professionals struggle to communicate the value of safety to senior leaders. This course will provide tools and methods to help you speak the language of business and align safety with other organizational initiatives.

Learning Objectives:

- Communicate the value of safety to management
- Build a business case for safety
- Use annual reports to increase future budgets

Level: Intermediate

Track: Business Skills/Personal Development

Length: 1 day

CEUs: 0.7

Instructor(s): Mark Hansen, P.E., CSP, CPE, CPEA, FASSP

Date(s): Friday, February 19, 2021

CERTIFICATION PREP

OHST Exam Prep

Description: Prepare for the occupational hygiene and safety technician (OHST) certification examination. Review content via a testing format and receive a list of recommended resources to continue your exam preparation after the course. **You need to have a TI-30XS scientific calculator to participate in this course.**

Learning Objectives:

- Conduct work-site assessments to determine risks, potential hazards and controls
- Evaluate risks and hazard controls
- Investigate incidents
- Maintain and evaluate incident and loss records
- Prepare emergency response plans

Level: Beginner

Track: Certification Prep

Length: 3 days

CEUs: 2.1

Instructor(s): Camille P. Oakes, CSP, SMS, CIT

Date(s): Monday, February 8-Wednesday, February 10, 2021

Math Review for Certification Exams

Description: Participate in an intensive overview of the mathematics knowledge you will need to pass certification exams. Become familiar with the types of math expected and practice solving challenging math questions. **You need to have a TI-30XS scientific calculator to participate in this course.**

Learning Objectives:

- Operate a scientific calculator
- Perform SI and English conversions of mass, length and time
- Perform multi-step conversions (e.g., converting miles per hour to feet per second, pounds to micrograms)
- Perform number manipulation (e.g., exponents, scientific notation, significant digits, answer accuracy and rounding, and logarithms)
- Calculate area, circumference and volume
- Graph two-dimensional linear, exponential, trigonometric and logarithmic functions
- Understand algebraic laws, concepts and word problems
- Figure right angles, trigonometry functions and word problems

Level: Beginner

Track: Certification Prep

Length: 1 day

CEUs: 0.7

Instructor(s): Michael Weigand, CSP

Date(s): Tuesday, February 9, 2021

ASP Exam Prep

Description: Prepare for the associate safety professional (ASP) certification examination. Learn via lecture, solve sample problems and discuss essential occupational safety and health (OSH) topics. **You need to have a TI-30XS scientific calculator to participate in this course.**

Learning Objectives:

- Recognize OSH hazards
- Measure, evaluate and control OSH hazards
- Identify keys to developing and conducting OSH training
- Recognize business principles, practices and metrics
- Review BCSP certification requirements and scoring procedures
- Prepare for testing
- Identify topic areas where additional preparation is needed

Level: Beginner

Track: Certification Prep

Length: 3 days

CEUs: 2.1

Instructor(s): Michael Weigand, CSP

Date(s): Wednesday, February 10-Friday, February 12, 2021

CSP Exam Prep

Description: Prepare for the certified safety professional (CSP) certification examination. Learn via lecture, solve sample problems and discuss essential occupational safety and health (OSH) topics. **You need to have a**

TI-30XS scientific calculator to participate in this course.

Learning Objectives:

- Apply concepts of probability, statistics and basic sciences
- Use engineering concepts for OSH, occupational health and fire protection
- Apply management principles, ergonomic analysis and risk management
- Calculate workers' compensation
- Identify legal and regulatory issues in OSH and security

Level: Intermediate

Track: Certification Prep

Length: 3 days

CEUs: 2.1

Instructor(s): C. David Langlois, CSP, FASSP

Date(s): Wednesday, February 10 – Friday, February 12, 2021

CHST Exam Prep

Description: Prepare for the construction health and safety technician (CHST) certification examination. Participate in a comprehensive overview of the exam blueprint, complete sample questions during class and receive additional quizzes to take home. You will receive a digital copy of the 29 CFR 1926 OSHA Construction Industry Regulations & Standards. ***You need to have a TI-30XS scientific calculator to participate in this course.***

Learning Objectives:

- Manage and administer a safety program
- Identify safety management systems, including ISO and ANSI standards
- Use hazard recognition, evaluation and control techniques
- Manage regulatory inspections
- Conduct training and orientation
- Communicate hazards (including the Globally Harmonized System)
- Conduct job-site inspections and audits
- Prepare a job hazard analysis/pre-job plan
- Investigate incidents
- Understand recordkeeping requirements

Level: Intermediate

Track: Certification Prep

Length: 3 days

CEUs: 2.1

Instructor(s): Steven P. Pereira, CSP

Date(s): Wednesday, February 10 – Friday, February 12, 2021

CONSTRUCTION

Protecting Workers Properly in Excavations

Description: This course will identify the many hazards associated with excavation work and the means to properly control them. Topics of discussion will include the general hazards of excavations, soil mechanics, soil classifications, sloping and benching, timber shoring, hydraulic shoring, shields and boxes, and other engineered protective systems. The course also offers the opportunity to discuss OSHA regulations, ANSI standards and case studies.

Learning Objectives:

- Recognize general hazards associated with excavation work
- Discuss the basics of soil mechanics and behavior
- List the four types of soil classifications and describe the methods of determining them
- Define the roles and responsibilities of the excavation-competent person and registered professional engineer
- Describe how to properly select protective systems for excavations

Level: Intermediate

Track: Construction

Length: 1 day

CEUs: 0.7

Instructor(s): Kimlee Lindgren, CHST

Date(s): Tuesday, February 9, 2021

50 Issues Critical to Construction

Description: This course will discuss 50 issues that pose challenges to working in the construction industry. It is designed for beginner safety and health professionals working in construction, or those who have never worked with contractors in their facilities.

Learning Objectives:

- Differentiate between construction work practices and those of other industries
- Identify 50 issues that are critical to the construction industry
- Discuss ways safety and health management principles apply to the 50 issues
- Use two case studies to identify safety and health program opportunities

Level: Beginner

Track: Construction

Length: 1 day

CEUs: 0.7

Instructor(s): Kimlee Lindgren, CHST

Date(s): Monday, February 15, 2021

Managing Scaffold Hazards

Description: This course will outline the important components of managing scaffolds: personnel roles and responsibilities; multi-employer sites; identifying scaffold hazards; development and implementation of safe means and methods for the erection, use and dismantling of scaffolds; and the development of a scaffold training program.

Learning Objectives:

- Identify the necessary personnel and their roles and responsibilities for an effective scaffold management program
- Describe the challenges of scaffolds on a multi-employer site
- Discuss potential hazards associated with different types of scaffolds
- Analyze different means and methods to be utilized for the erection, use and dismantling of scaffolds
- Develop a basic outline for a scaffold training program

Level: Beginner

Track: Construction

Length: 1 day

CEUs: 0.7

Instructor(s): Kimlee Lindgren, CHST

Date(s): Wednesday, February 17, 2021

EMERGENCY MANAGEMENT / SECURITY

Planning for an Active Shooter Event

Description: This course will address the steps one takes to plan for an Active Shooter event. The course follows the structure of the ASSP Z590.5 Technical Report. In this course the attendee will learn how to form a threat assessment committee, what the committee should review, the approach toward protecting sites which includes “hardening” of the sites and administrative steps to protect the site. The course will examine the various exercises that can be run, communication issues and interacting with local response teams. The course covers actual active shooter events and what steps proved successful in saving lives and wraps up addressing post incident response.

Learning Objectives:

- Discuss how to develop an active shooter plan
- Explore how to conduct a threat assessment
- Distinguish steps your organization can take to “harden” a facility
- Identify training you can deliver to reduce the impact of an incident
- Review types of exercises your company can conduct to test the efficacy of a plan

Level: Beginner

Track: Emergency Management/Security

Length: 1 day

CEUs: 0.7

Instructor(s): C. Gary Lopez, M.S., CSP, FASSP

Date(s): Friday, February 19, 2021

ENVIRONMENT / HAZARDOUS MATERIALS

Myths and Realities of Indoor Environmental Risks

Description: Indoor environmental risks — such as asbestos, lead, and indoor environmental air quality (IEQ) — were very common concerns in the past. This course will cover IEQ myths and realities OSH professionals face in today's world. It will also cover direct reading instruments. Such instruments have been used for IEQ measurements for long time. However, these instruments can produce erroneous or misleading results because chemicals, relative humidity, temperature and outdoor contaminants can affect outcomes. Participants will discuss various contaminants, such as particulates, ozone, formaldehyde, hydrogen sulfide and fiberglass.

Learning Objectives:

- Anticipate, identify and assess indoor environmental risks in the conceptual building design, operational and redesign phases
- Name instruments, methods and tools used in indoor environmental risk assessments and safety reviews
- Describe legacy environmental risks, myths and realities and how to reduce the risk of exposures

Level: Beginner

Track: Environment/Hazardous Materials

Length: 1 day

CEUs: 0.7

Instructor(s): Georgi Popov, Ph.D., CSP, ARM, SMS, QEP

Date(s): Monday, February 15, 2021

ERGONOMICS

Ergonomics for the Safety Professional

Description: This course will provide attendees with the basic principles of ergonomics that have universal application. That is, they can be used in any setting, from construction to manufacturing to transportation. Attendees will also learn how to conduct ergonomic evaluations of their workplaces, defining opportunities and developing feasible and practical solutions. The course will also cover the more traditional topics of office ergonomics and manual materials handling. Attendees will learn how to develop an ergonomics program that integrates into current organizational programs. Case studies will illustrate the positive impact of ergonomics and the practical application of basic ergonomic principles.

Learning Objectives:

- Describe the universal application of basic ergonomic principles and the ergonomics analysis process
- Develop ergonomic interventions
- Apply basic workplace ergonomics Develop a workplace ergonomics program

Level: Intermediate

Track: Ergonomics

Length: 1 day

CEUs: 0.7

Instructor(s): Lawrence Schulze, Ph.D., P.E., CPE; Mark Hansen, P.E., CSP, CPE, CPEA, FASSP

Date(s): Monday, February 15, 2021

Human Factors for the Safety Professional

Description: This course will provide insight into the differences between human factors and ergonomics, especially when it comes to information displays and system controls. Attendees will learn the universal application of the principles of human factors through case studies and will learn how to apply these principles to reduce human error, fatigue, mental workload and incidents. Attendees will also learn how to apply the principles of human factors to system assessment and design and make significant contributions to their organization's engineering design for safety program.

Learning Objectives:

- Describe the universal application of basic ergonomic principles and the ergonomics analysis process
- Develop ergonomic interventions
- Apply basic workplace ergonomics
- Develop a workplace ergonomics program

Level: Beginner

Track: Ergonomics

Length: 1 day

CEUs: 0.7

Instructor(s): Lawrence Schulze, Ph.D., P.E., CPE; Mark Hansen, P.E., CSP, CPE, CPEA, FASSP

Date(s): Wednesday, February 17, 2021

FALL PROTECTION

Effective Fall Protection Programs

Description: Expand your knowledge of fall protection in accordance with the ANSI/ASSP Z359 family of standards related to fall protection program management and system use. Learn through hands-on exercises how to best make the critical decisions required to protect workers at height.

Learning Objectives:

- Conduct fall hazard assessments
- Develop skills to make appropriate decisions to reduce injuries on walking/working surfaces, ladders, roofs, aerial lifts and scaffolds
- Identify elimination and control methods and develop use and rescue procedures
- Implement horizontal and vertical lifelines, and designate appropriate fall protection anchorages

Level: Beginner

Track: Fall Protection

Length: 2 days

CEUs: 1.4

Instructor(s): Thomas E. Kramer, P.E., CSP

Date(s): Monday, February 8 – Tuesday, February 9, 2021

Managed Fall Protection Course

Description: This course is based on the responsibilities of a fall protection program administrator as defined in ANSI/ASSP Z359.2-2017, Minimum Requirements for a Comprehensive Managed Fall Protection Program. Your registration includes a digital copy of ANSI/ASSP Z359.2-2017.

Learning Objectives:

- Establish guidelines and requirements for a managed fall protection program
- Eliminate or establish controls for fall hazards
- Develop a fall protection system use and rescue procedure
- Demonstrate the tasks necessary to manage an incident investigation
- Evaluate the effectiveness of a managed fall protection program

Level: Intermediate

Track: Fall Protection

Length: 3 days

CEUs: 2.1

Instructor(s): Thomas E. Kramer, P.E., CSP

Date(s): Wednesday, February 10 – Friday, February 12, 2021

HEALTHCARE/WELLNESS

Surviving Shift Work

Description: Shift work is a killer, but it doesn't have to be. In 2010, after a thorough review of the science, the World Health Organization determined that "shift work and its resulting impact on clock function does act as a clear carcinogen." Furthermore, shift work increases one's risk of obesity, Type 2 diabetes, cardiovascular disease and dementia. This course is designed to help safety professionals educate workers on how to combat the health hazards associated with shift work.

Learning Objectives:

- Discuss circadian rhythms and sleep science
- Explain the bidirectional relationships between sleep, disease, mental health and well-being
- Illustrate practical strategies anyone can use to access their sleep health account, pay off their sleep debt and improve their mental health

Level: Beginner

Track: Healthcare/Wellness

Length: 2 days

CEUs: 2.1

Instructor(s): Glenn J. Landry

Date(s): Monday, February 15 - Tuesday, February 16, 2021

HUMAN AND ORGANIZATIONAL PERFORMANCE

Building Employee Engagement for a Strong Safety Culture

Description: This course provides practical recommendations for safety professionals, managers, leaders and other stakeholders. A portion of the content is derived from peer-reviewed articles that are based on research,

safety management system guidelines, evidence-based case studies and the thinking of key psychologists in the safety field. Participants will discuss how to develop a strong safety culture and identify tools for meaningful engagement. The course will also explore differences between the roles of safety professionals, frontline supervisors and senior leaders.

Learning Objectives:

- Explain the benefits of employee engagement
- Identify key strategies for building a strong safety culture
- Describe the factors that motivate employees
- Advise leadership on how to engage employees in safety
- Apply lessons from case studies

Level: Intermediate

Track: Human and Organizational Performance

Length: 1 day

CEUs: 0.7

Instructor(s): Earl H. Blair, Ph.D., CSP, FASSP

Date(s): Monday, February 8, 2021

Make it Human: Integrating Behavioral Systems with HOP Principles

Description: When we incorporate elements of human and organizational performance (HOP) and behavior-based safety (BBS) into investigations, it allows management to create an environment where workers can make good decisions. Further, when safety professionals use this blended approach, risks may become more apparent. This course will present ways to reach holistic conclusions that allow you to concentrate on safety management system improvements and better protecting workers.

Learning Objectives:

- Define human and organizational performance (HOP)
- Discuss behavior-based safety (BBS) and standard behavioral systems
- Illustrate the relevance of behavioral science in the workplace
- Identify how the advanced Heinrich model integrates with HOP

Recognize the limitations of HOP and BBS and how they can be combined

Level: Intermediate

Track: Human and Organizational Performance

Length: 1 day

CEUs: 0.7

Instructor(s): William J. Sims Jr., Thomas R. Courtney, CSP

Date(s): Friday, February 12, 2021

People-Based Safety: The Human Dynamics of Achieving an Injury-Free Workplace

Description: This course focuses on the individual and system factors that influence safe and risky behavior. It will address the principles of behavior and person-based psychology, hazard recognition, human error reduction, and safety leadership. Participants will also discuss ways to design jobs for improved safety performance.

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Learning Objectives:

- Use principles of behavior and person-based psychology to facilitate an ideal safety culture
- Describe how to integrate the best aspects of behavior-based safety (BBS), human and organizational performance (HOP) and other safety systems
- Apply a continuous improvement cycle to identify, understand, and improve the factors influencing behavior
- Identify hazard recognition traps Describe how to use safety culture assessments to drive improvement

Level: Advanced

Track: Human and Organizational Performance

Length: 1 day

CEUs: 0.7

Instructor(s): Steve Roberts, Ph.D.

Date(s): Monday, February 15, 2021

Workplace Mental Health: A Blueprint for a Healthier Workforce

Description: Managers, supervisors and leaders must ensure that work resources and processes help the organization achieve its vision and goals. One major factor that can affect progress toward goals is worker mental health. Develop knowledge and skills to create a focused and well-developed strategy for addressing this issue. Learn via case studies, peer discussions, group work and storytelling, and develop a deeper understanding about how to respond to others' mental health needs.

Learning Objectives:

- Define and key concepts and terms associated with mental health and well-being
- Describe the importance of "training the brain" in preparation for work and life
- Analyze the barriers to care that prevent workers from seeking help for mental health issues
- Explain the roles of a supervisor, manager and leader when a worker is using unhealthy coping strategies or living with addiction
- Identify the mental health resources that are available within your workplace and community
- Discuss how to implement these strategies in your workplace

Level: Intermediate

Track: Human and Organizational Performance

Length: 1 day

CEUs: 0.7

Instructor(s): Cole Tait

Date(s): Tuesday, February 16, 2021

Brains, Behaviors and Culture: The Hidden Connections

Description: This course will explore modern methods for achieving next-level safety performance and teach participants how to operationalize them. By following the developmental pathway of a realistic fatal incident scenario, course participants will learn how neuroscience, human behavior reliability and organizational culture are connected.

Learning Objectives:

- Identify seven Brain-Centered Hazards™ and recognize their presence in the workplace
- Apply behavior analysis methodology

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- Describe how exposure situations develop
- Define a just culture pathway
- Identify the mental health resources that are available within your workplace and community
- Discuss how to implement these strategies in your workplace

Level: Executive

Track: Human and Organizational Performance

Length: 1 day

CEUs: 0.7

Instructor(s): David Musgrave

Date(s): Wednesday, February 17, 2021

Building an Ideal Safety Culture

Description: This course will highlight the importance of taking a comprehensive approach to safety culture assessment and continuous improvement. It will focus on activities for six critical components of building an ideal safety culture: the physical environment/conditions, leadership, management systems, safe and at-risk behaviors, employee engagement and attitudes/perceptions.

Learning Objectives:

- Describe the components of an ideal safety culture
- Use principles of behavior and person-based psychology to facilitate an ideal safety culture
- Describe the most common barriers to an ideal safety culture
- Align safety management systems to drive positive culture change
- Describe how common safety culture assessment tools can be used to identify and drive improvement opportunities

Level: Advanced

Track: Human and Organizational Performance

Length: 1 day

CEUs: 0.7

Instructor(s): Steve Roberts, Ph.D.

Date(s): Thursday, February 18, 2021

Behavior-Based Safety for Today's Realities

Description: Is it time to update your organization's behavior-based safety (BBS) process? Innovations in the past two decades offer more effective ways to implement BBS, achieve higher engagement and produce better performance. Explore new alternatives to traditional BBS administration that can boost your system. If you are new to BBS, develop knowledge about the latest best practices.

Learning Objectives:

- Decrease the use of internal resources without compromising effectiveness
- Develop better focus with your observation checklist
- Modify your observation strategy to produce better results
- Conduct more thoughtful analysis of observation data and use it more cohesively in practice
- Communicate your process more effectively to produce employee engagement
- Address the four major issues found within the average BBS process

- Avoid the 10 mistakes that compromise BBS processes

Level: Intermediate

Track: Human and Organizational Performance

Length: 1 day

CEUs: 0.7

Instructor(s): Shawn M. Galloway

Date(s): Friday, February 19, 2021

INDUSTRIAL HYGIENE/HEALTH

Managing Respiratory Protection Programs

Description: According to 29 CFR 1910.134(c), employers are responsible for establishing and maintaining a written respiratory protection program. An administrator who understands the respiratory protection program's complexities must manage it. This course is designed for people who may design, develop, implement or administer a respiratory protection program. It will help participants develop and maintain a respiratory protection program that complies with all state and federal regulations.

Learning Objectives:

- Identify the administrative components required to establish a respiratory protection program in accordance with 29 CFR 1910.134(c)
- Apply the respiratory protection standard on different jobsites
- Identify the physiological impacts of wearing filtering facepiece respirators
- Identify the requirements for personal protective equipment in accordance with 1910.132
- Evaluate multiple technologies to conduct qualitative and quantitative fit testing in accordance with Appendix A

Level: Intermediate

Track: Industrial Hygiene/Health

Length: 2 days

CEUs: 1.4

Instructor(s): Dennis Terpin, Ph.D., OHST

Date(s): Monday, February 8 - Tuesday, February 9, 2021

Fundamentals of Applied Industrial Hygiene

Description: The safety professional must understand worker health issues that affect worker well-being. Those health issues include, but are not limited to, definitions and standards, toxicological principals, airborne hazards, physical hazards, ergonomics, biological hazards, and additional emerging issues. This course is designed for Industrial Hygienists, EHS Coordinators, Facility Engineers, Safety Managers, Environmental Engineers, Occupational Health Nurses and anyone interested in enhancing their knowledge and understanding of the fundamentals and concepts of Industrial Hygiene.

Learning Objectives:

- Evaluate airborne exposures to chemicals and particulates through air sampling techniques and control these exposures ventilation and respiratory protection

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- Understand basic evaluation and control methods for physical stresses in the workplace including thermal stress, noise and radiation
- Recognize and control ergonomic hazards as it applies to the work environment
- Discuss biological hazards as it applies to certain occupational settings including assessment and control of indoor air quality issues

Level: Beginner

Track: Industrial Hygiene/Health

Length: 2 days

CEUs: 1.4

Instructor(s): Paul A. Zoubek, CSP, CIH

Date(s): Thursday, February 11 – Friday, February 12, 2021

How to Protect Workers From Noise

Description: This course will provide an overview of hazards and risks from workplace noise, along with best practices for hearing conservation. It will provide a background in basic acoustics, an overview of the regulatory environment surrounding workplace noise and practical tips for noise control.

Learning Objectives:

- Explain the dangers of noise exposure in the workplace, and the importance of hearing conservation programs
- Comply with current OSHA regulations related to workplace noise
- Assess daily noise exposure levels of workers engaged in different activities
- Identify scenarios where noise abatement is required and recommend basic noise control techniques

Level: Beginner

Track: Industrial Hygiene/Health

Length: 1 day

CEUs: 0.7

Instructor(s): Eoin A. King, Ph.D.; Bryan R. Beamer, Ph.D., P.E., CSP

Date(s): Tuesday, February 16, 2021

INTERNATIONAL

Managing Safety and Health

Description: Explore the basic needs of managing safety and health with a global perspective and develop skills to analyze the best practices of global leaders in occupational safety and health (OSH) management. Learn through discussion, case studies and activities effective methods to implement, manage and measure a successful global OSH program within your organization.

Learning Objectives:

- Design, implement and manage a leading safety and health process
- Apply global best practices to identify and reduce safety risks
- Evaluate the impact of OSH risks
- Integrate safety and health processes into business functions
- Develop measurement systems to achieve optimal OSH performance

Level: Intermediate

Track: International

Length: 2 days

CEUs: 1.4

Instructor(s): Kathy A. Seabrook, CSP, CFIOSH, EurOSHM, FASSP

Date(s): Monday, February 8 – Tuesday, February 9, 2021

Implementing a Safety and Health Management System

Description: Examine different safety management systems to identify the most appropriate system for your organization, with a focus on systems that are applicable to global organizations.

Learning Objectives:

- Analyze systems applicable to occupational safety and health
- Select the most appropriate system for your organization's needs
- Implement a safety management system

Level: Intermediate

Track: International

Length: 1 day

CEUs: 0.7

Instructor(s): Kathy A. Seabrook, CSP, CFIOSH, EurOSHM, FASSP

Date(s): Monday, February 15, 2021

International Standards and Legal Requirements for Safety Management

Description: Explore the regulations, standards and legislation that pertain to occupational safety and health (OSH) in your country. Review case studies to analyze the impact of the legal requirements in various regions of the world.

Learning Objectives:

- Recognize applicable statutes, regulations and industry standards
- Identify and follow international legal requirements
- Identify international laws for OSH management
- Navigate legal requirements to mitigate risk

Level: Intermediate

Track: International

Length: 1 day

CEUs: 0.7

Instructor(s): Kathy A. Seabrook, CSP, CFIOSH, EurOSHM, FASSP

Date(s): Wednesday, February 17, 2021

Optimize Your Global Fluency: Working Across Borders and Cultures

Description: In our globally connected world, understanding the different cultures with which we interact affects our ability to lead, manage and work. Discuss how cultures do business and how you can work most effectively with your international counterparts. Review the spoken and unspoken rules of business in different parts of the world, discuss how to create buy-in for corporate policies throughout your global organization and evaluate strategies for creating a high-functioning global team.

Learning Objectives:

- Identify cultural norms (business, societal, personal) from various regions of the world
- Transact global business effectively, with limited misunderstanding and social mistakes to achieve intended results
- Integrate corporate culture, including expectations for safety, throughout your organization's global operations
- Apply recognized strategies for adapting policies, practices, norms and behaviors to the customs and protocols around the globe

Level: Intermediate

Track: International

Length: 1 day

CEUs: 0.7

Instructor(s): Kathy A. Seabrook, CSP, CFIOSH, EurOSHM, FASSP

Date(s): Friday, February 19, 2021

REGULATORY ISSUES/GOVERNMENT/PUBLIC SECTOR

Electrical Safety I: Basic Principle and Engineering Controls

Description: Develop knowledge of the fundamental principles of electrical safety, specifically the engineering controls required to protect workers to voltages greater than 50 volts. Discuss OSHA's top 10 electrical safety violations and review the National Electrical Code (2020 edition) and other NFPA electrical safety standards.

Learning Objectives:

- Describe engineering design requirements and safeguards necessary to protect workers
- Discuss the basic principles of electricity, including basic circuitry and electrical units
- Identify hazards of electricity to the human body
- Mitigate electrical hazards based on OSHA's leading citations for electrical safety

Level: Beginner

Track: Regulatory Issues/Government/Public Sector

Length: 1 day

CEUs: 0.7

Instructor(s): Paul A. Zoubek, CSP, CIH

Date(s): Monday, February 8, 2021

Electrical Safety II: Electrical Safe Work Practices With Application of NFPA 70E (2021 Edition)

Description: Participate in an in-depth, comprehensive review of electrical safe work practices, procedures, risk assessment and risk-reduction techniques outlined in the revised 2021 edition of NFPA 70E. You will receive a copy of NFPA 70E, Standard for Electrical Safety in the Workplace (2021 edition) and develop knowledge to interpret code requirements as they apply to energized electrical work situations.

Learning Objectives:

- Identify NFPA 70E as a best practice standard

- Evaluate worker protection measures in accordance with the hierarchy of controls
- Use safety-related work practices for energized systems
- Implement risk assessment procedures outlined in the 2021 edition of NFPA 70E

Level: Intermediate

Track: Regulatory Issues/Government/Public Sector

Length: 2 days

CEUs: 1.4

Instructor(s): Paul A. Zoubek, CSP, CIH

Date(s): Tuesday, February 9 – Wednesday, February 10, 2021

RISK ASSESSMENT

Risk Assessment

Description: Risk assessment is a dynamic process that enables occupational safety and health (OSH) professionals to proactively manage workplace risks. An effective risk assessment helps you identify potential hazards that may not have been found another way and implement preventive measures. Review three main areas of a risk assessment: hazard identification, risk analysis and risk evaluation. Your registration includes a digital copy of ASSP TR-31010-2020 Technical Report: Risk Management - Techniques for Safety Practitioners.

Learning Objectives:

- Implement the steps of the risk assessment process
- Conduct a risk assessment leading to the identification and prioritization of your organization's hazards and controls
- Influence management to support risk-reduction plans and efforts
- Measure the effectiveness of the risk assessment process and outcomes to support your organization's objectives

Level: Intermediate

Track: Risk Assessment

Length: 3 days

CEUs: 2.1

Instructor(s): Paul A. Esposito, CSP, CIH

Date(s): Monday, February 8 – Wednesday, February 10, 2021

Fatal and Serious Incident Prevention: The Intersection of Human and Organizational Performance in Prevention and Control

Description: Injury rates have declined, but fatalities persist in our workplaces. In response, occupational safety and health professionals have refocused on preventing fatalities and serious injuries and illnesses. Integrating foundational principles of human and organizational performance (HOP) into your safety and health management system can further elevate your focus on fatality and serious injury prevention. Explore and discuss several tools to assist this integration.

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Learning Objectives:

- Develop an understanding of the fundamentals of HOP as they relate to the key goal of preventing serious injuries and fatalities
- Develop knowledge of cutting-edge tools to integrate into your safety and health management system to mitigate potential serious injury and fatality risk
- Use case studies to gain practical experience integrating these tools into your organization's safety and health management system

Level: Executive

Track: Risk Assessment

Length: 1 day

CEUs: 0.7

Instructor(s): Stephen A. Newell; Kurt E. Krueger, CIH, CHMM

Date(s): Monday, February 8, 2021

Prevention Through Design

Description: The concept of prevention through design (PTD) is defined in ANSI/ASSP Z590.3-2011(R2016), Prevention Through Design Guidelines for Addressing Occupational Hazards and Risks in Design and Redesign Processes. Review the purpose of PTD, examine the standard's content and various design approaches, and discuss how to present a PTD system to management. Learn via real-world incidents and examples that cover not only worker injuries, but also property damage and the effects on an organization. Your registration includes a digital copy of ANSI/ASSP Z590.3.

Learning Objectives:

- Define the principles and rationale behind PTD
- Recognize your role on a design team
- Use various design approaches for PTD

Level: Intermediate

Track: Risk Assessment

Length: 2 days

CEUs: 1.4

Instructor(s): C. Gary Lopez, M.S., CSP, FASSP

Date(s): Wednesday, February 10 – Thursday, February 11, 2021

Risk-Based Incident Analysis

Description: To effectively apply risk-centric thinking to analyze incidents and identify root causes, you can analyze causal factors using techniques like the 5 whys. Practice applying this technique to exercise scenarios to identify both hazard and control success and failures. Exercises follow eight disciplines (8D) model, which entails eight steps in completing the analysis, ending with a management system's end point for root cause. Discuss the benefit of categorizing and trending loss data by hazardous energies and control failures and gain guidance on how to identify a fatal or serious incident.

Learning Objectives:

- Identify what risk-based data can be most impactful in identifying causal factors and root causes
- Develop a standard methodology to determine immediate, corrective and preventive actions
- Trend meaningful incident data, over time, to identify management system and risk assessment weaknesses and improvement initiatives

- Qualify data to generate rates for fatal and serious incidents
- Quantify data input and output for strategic leading metrics

Level: Intermediate

Track: Risk Assessment

Length: 1 day

CEUs: 0.7

Instructor(s): Paul A. Esposito, CSP, CIH

Date(s): Thursday, February 11, 2021

System Safety for Everyone

Description: Safety professionals can use system safety analysis at any time, not just before a new process or design is built. It can be used by anyone, not just safety professionals and is an excellent way to engage front-line workers and leadership. Brainstorming hazards using a systematic hazard identification tool will allow you to catch gaps you would not normally see. Review two specific and useful system safety analysis techniques and examine how to apply them in your organization. Hone your risk assessment skills to build better mitigation solutions and use these skills to build a strategic plan, make the business case for the risk priorities and position yourself as a problem-solver in your organization.

Learning Objectives:

- Explain the definition of a system
- Develop a preliminary hazard analysis when given an example work system
- Complete an operational and support hazard analysis for a specific task and identify missed hazards
- Develop risk mitigation solutions when a hazard is identified
- Establish risk mitigation priorities and integrate them into a strategic plan based on timeline and cost when given a template

Level: Intermediate

Track: Risk Assessment

Length: 2 days

CEUs: 1.4

Instructor(s): Camille P. Oakes, CSP, SMS, CIT

Date(s): Thursday, February 11 – Friday, February 12, 2021

Essential Risk Assessment Tools

Description: Over the course of four modules, you will develop foundational understanding of essential risk assessment tools. Module 1 covers the hazard analysis process and risk assessment definitions. Module 2 reviews essential qualitative risk assessment tools and provides a summary of essential risk assessment methods listed in ANSI/ASSP Z690.3. Module 3 introduces semi-quantitative risk assessment tools. Module 4 highlights practical applications of integrated risk assessment tools and introduces case studies. All modules include short videos, scenarios, interactive tools and assignments. You will engage with your instructor and other learners via a discussion board and complete an assignment in which you select one risk assessment technique and demonstrate successful risk-reduction methodology.

Learning Objectives:

- Use appropriate risk assessment terminology

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- Describe hazard analysis and risk assessment process
- Differentiate between qualitative and semi-quantitative risk assessment methods
- Evaluate various risk assessment methodologies
- Summarize risk prioritization concepts and integrated risk assessment tools, and identify risk-reduction opportunities to effectively manage risk

Level: Beginner

Track: Risk Assessment

Length: 1 day

CEUs: 0.7

Instructor(s): Georgi Popov, Ph.D., CSP, ARM, SMS, QEP

Date(s): Friday, February 12, 2021

Machine Safety Risk Assessment Using the Robotics Industry Association Methodology

Description: Use the task-based risk assessment methodology of Robotics Industry Association TR R15.306-2016, Technical Report for Industrial Robots and Robot Systems – Safety Requirements – Task-Based Risk Assessment Methodology, to develop knowledge and skills to conduct a risk assessment of any machine (not just robotic systems).

Learning Objectives:

- Identify machine safety hazards and gain insight in how to identify hazards specific to your industry
- Examine the concept of risk as it applies to machine safety and learn how to determine initial risk (risk before any safety features are considered for the machine) based on clear and unambiguous criteria
- Discuss how the selected risk-reduction measures affect safety in order to select the best option
- Discuss how the combination of initial risk and selected risk reduction measures yields residual risk (risk after safety features are considered for the machine) and review how to determine acceptable risk
- Examine safety requirements for the design and integration of safety-related parts of control systems to ensure the correct levels of safety are used in selecting risk-reduction measures
- Identify ways to prioritize risk-reduction measures when addressing existing operational machines with multiple hazards of the same risk level

Level: Beginner

Track: Risk Assessment

Length: 1 day

CEUs: 0.7

Instructor(s): Gary J. Garrahan, CHMM

Date(s): Monday, February 15, 2021

Creating and Sustaining an Effective Risk Assessment Team

Description: Lead your organization's risk management process by developing and delivering training to your risk assessment teams (internal and external). To do so effectively, you need to be able to identify relevant stakeholders for the process, develop customized training content, understand typical barriers to initiating the risk assessment process following training and determine ongoing team training needs. This course will be

particularly useful if you have an intermediate to advanced level of practical knowledge of the risk management framework outlined in ANSI/ASSP/ISO 31000-2018 Risk Management - Guidelines and have attended ASSP's Risk Assessment course or an equivalent.

Learning Objectives:

- Describe the risk management framework of ANSI/ASSP/ISO/IEC 31010-2019 Risk Management - Risk Assessment Techniques along with the critical role risk assessment teams play in the process
- Describe the key internal and external stakeholders critical to the risk assessment approach in your organization
- Develop a customized training curriculum and matrix for your organization's risk assessment team(s)
- Identify the four typical barriers that develop in risk assessment teams when initial assessments are performed, and describe methods to address those, including interventions during risk assessment, retraining or individual coaching

Level: Intermediate

Track: Risk

Length: 1 day

CEUs: 0.7

Instructor(s): Pamela J. Walaski, CSP

Date(s): Tuesday, February 16, 2021

Manage Risk, Not Safety

Description: The occupational safety and health (OSH) profession is shifting from managing hazards and regulations to managing risk. It's important to understand where the profession fits into a business model, what we bring to the table and how we can demonstrate our worth. Examine the concepts of acceptable risk and residual risk, discuss how to assess risk and evaluate how this is applied in the real world. You will complete two exercises that demonstrate this assessment of risk and how to implement it in the workplace. In addition, we explore symbiotic relationships with other areas of risk management such as insurance and security and discuss how to use the latest management systems in managing risk, how to simplify these systems for smaller organizations and how to develop acceptable risk levels. Finally, we discuss safety culture and how that is the eventual goal your organization is trying to achieve in managing risk.

Learning Objectives:

- Discuss the differences between managing risk and managing hazards/standards
- Review the role of the OSH professional in any organization
- Determine acceptable risk
- Describe ways to build a safety culture by managing risk

Level: Intermediate

Track: Risk Assessment

Length: 1 day

CEUs: 0.7

Instructor(s): C. Gary Lopez, M.S., CSP, FASSP

Date(s): Wednesday, February 17, 2021

Job Hazard Analysis

Description: An effective job hazard analysis (JHA) requires much more than observation to determine the risks of the job. Review best practices for task analysis, documentation and benchmarking to appropriate standards.

Participate in practice episodes for conducting pre-task research, interviewing techniques, photo/video/e-documentation, technical analysis, conclude whether the work is “safe” and evaluate potential solutions.

Learning Objectives:

- Break down a task into its component steps
- Identify hazards and risks for each component of the job
- Determine precautions to address the job’s hazards and risks
- Identify ways to incorporate JHAs into safety management systems

Level: Beginner

Track: Risk Assessment

Length: 1 day

CEUs: 0.7

Instructor(s): Todd Hohn, CSP

Date(s): Wednesday, February 17, 2021

Principles of Machine Safeguarding

Description: Discuss the fundamentals of machine hazards, review general control methods through guarding and device applications, and participate in activities that demonstrate risk assessment and machine hazard control. We will focus on control methods and recommendations outlined in ANSI B11 machine guarding standards with an emphasis on machine safeguarding risk assessment.

Learning Objectives:

- Identify types of machine hazards to recognize the need for risk assessment
- Apply a fundamental understanding of the need to assess the risk of machine hazards
- Identify basic options for safeguarding machinery to apply best solutions for a given set of circumstances
- Apply machine safeguarding risk assessment principles to determine the extent of hazards and minimize worker injury probability

Level: Beginner

Track: Risk Assessment

Length: 1 day

CEUs: 0.7

Instructor(s): Paul A. Zoubek, CSP, CIH

Date(s): Friday, February 19, 2021

RISK MANAGEMENT

Are You Prepared? Business Continuity Management

Description: Business continuity planning aims to safeguard employees, on-site contractors, visitors and surrounding communities during a disaster, and to ensure prompt recovery of critical business processes and systems to protect customers and other users of an organizations’ products and services. It encompasses three phases: planning, activation and recovery. We focus specifically on the planning and activation phases, and

cover options for needs assessments, planning, organizing the team(s), practice and assessment, and event management and communication.

Learning Objectives:

- Identify the elements of a business continuity program and discuss the need for concise, up-to-date documentation
- Develop and outline program elements appropriate to your organization
- Apply techniques to engage employees and generate participation
- Practice communication skills appropriate for crisis situations
- Recognize the value and limitations of business continuity planning

Level: Intermediate

Track: Risk Management

Length: 2 days

CEUs: 1.4

Instructor(s): Alan J. Leibowitz, CSP, CIH

Date(s): Thursday, February 18 – Thursday, February 19, 2021

Risk Management Framework

Description: Participate in a detailed review and discussion of all elements of risk management (establishing the context, risk assessment, risk treatment, monitoring and review, and communication and consultation). Examine how each element fits into your unique organizational profile and how to navigate common roadblocks. Discuss two key elements to the success of any occupational safety and health (OSH) initiative, management commitment and workforce participation, and how they relate to developing and implementing risk management. Review proven strategies and the role OSH professionals play in both initiatives and identify how you can leverage leadership, engage your workforce and integrate the process into a safety management system to further your role in your organization's implementation of risk management.

Learning Objectives:

- Build deeper knowledge of the five elements of risk management defined in ISO 31000 and ANSI/ASSP Z690, describe each element and explain what implementation looks like
- Identify methods by which your organization will implement each element and describe potential barriers and the means to overcome them
- Describe the importance of leveraging your leadership and engaging your workforce as it relates to the success of risk management, and design specific techniques you can use to improve both areas
- Examine the elements of an occupational safety and health management system and formulate a plan to integrate a risk management process

Level: Intermediate

Track: Risk

Length: 1 day

CEUs: 0.7

Instructor(s): Pamela J. Walaski, CSP

Date(s): Friday, February 19, 2021

SAFETY MANAGEMENT / SYSTEMS

Safety Management I

Description: Through examples, case studies and other resources, develop a foundational understanding of fundamental elements and techniques for creating an effective safety management system.

Learning Objectives:

- Apply proven techniques to establish accountability for safety efforts
- Identify the elements of a safety management system, and discuss strategies for implementing them
- Write effective policy statements and performance standards to help the management team execute its safety responsibilities
- Promote safety to various levels in the organization
- Summarize the moral, financial and legal responsibilities of today's safety professional
- Create strategies to control workers' compensation costs
- Establish a budget for a safety management effort

Level: Beginner

Track: Safety Management/Systems

Length: 3 days

CEUs: 2.1

Instructor(s): James "Skipper" Kendrick, Jr., CSP, CIT, FASSP

Date(s): Monday, February 8 – Wednesday, February 10, 2021

Corporate Safety Management

Description: Learn new ways to tackle challenges, craft solutions and apply the skills needed to successfully position safety in your organization. Explore corporate management systems and organizational cultures and develop insight on how you can influence them from a safety perspective. During our course, you will review corporate reporting relationships, occupational safety and health (OSH) staffing and the tenets of OSH management systems. In addition, you will use tools to assess your organization's current safety process and identify ways to adjust it to achieve desired state. Develop knowledge to apply negotiation and leadership skills to influence decision-making that affects corporate structure. Through this course, you develop a new understanding of how to apply corporate safety management concepts and systems and how to lead and influence positive outcomes that change your workplace.

Learning Objectives:

- Develop a safety management system to support your organization's strategic and business goals
- Effectively assess and measure your organization's safety performance
- Discuss the influence of corporate culture and develop skills to effect changes that help your organization embrace OSH efforts
- Justify where the safety function is best positioned within your organization's corporate structure
- Apply leadership, negotiation and communication skills to positively influence corporate safety management system
- Analyze key initiatives for creating high-impact safety performance
- Define and discuss best practices for safety performance enhancement

- Analyze appropriate adjustments to the safety effort in response to corporate mergers, downsizing, rightsizing and reorganizing

Level: Intermediate

Track: Safety Management/Systems

Length: 3 days

CEUs: 2.1

Instructor(s): Samuel J. Gualardo, CSP, FASSP

Date(s): Monday, February 8 – Wednesday, February 10, 2021

Advanced Safety Management Methods

Description: Safety management no longer is a compliance-driven approach to systems, best practice thinking and concepts. This contemporary approach to safety is influencing the way safety professionals deliver guidance and direction to their organizations. Whether you are an executive-level safety professional or an emerging safety leader, you will develop knowledge and tools to greatly improve safety performance in your organization.

Learning Objectives:

- Manage organizational safety by applying methods established by recognized and respected contemporary management innovators, behavioral scientists and great leaders in organizations and occupational safety and health (OSH)
- Apply strategy and techniques focused on risk, business and the reality of human performance to provide another dimension to OSH management in your organization
- Demonstrate safety leadership that will build a connection with senior leaders and inspire workers to perform the best safety practices

Level: Advanced

Track: Safety Management/Systems

Length: 3 days

CEUs: 2.1

Instructor(s): Joel Tietjens, CSP, CSHM, FASSP

Date(s): Monday, February 8 – Wednesday, February 10, 2021

Implementing ISO 45001

Description: Through a blended learning approach, develop the knowledge and confidence to successfully implement an occupational health and safety management system (OHSMS) as an integral part of your organization's overall business operations and objectives. Organizations that adopt the standard as part of their business practices, goals and objectives can better protect their workers, brand reputation, supply chain and future growth on a global level. Your registration includes a digital copy of ISO 45001-2018.

Learning Objectives:

- Create a compelling story around developing and implementing an ISO-45001-compliant OHSMS
- Explain the importance and value of implementing an OHSMS following the ISO 45001 standard
- Define key terminology and guidelines related to the implementation of the ISO 45001 standard
- Navigate the ISO 45001 standard and its main sections
- Assess performance of your OHSMS, leveraging the success factors listed in the standard to continuously improve the process
- Translate knowledge gained into an actionable plan for initiating your own OHSMS development and implementation

Level: Intermediate

Track: Safety Management/Systems

Length: 3 days

CEUs: 2.1

Instructor(s): Kenneth A. Clayman, SMS

Date(s): Monday, February 8 – Wednesday, February 10, 2021

ANSI/ASSP Z16: Metrics and Measurements for the Modern Safety Professional

Description: The new ANSI /ASSP Z16 standard expands how we measure safety beyond traditional measures to focus on metrics used to measure success in the field of safety. Review historic metrics and discuss new metrics that would benefit the modern safety manager. We will examine the advantages and disadvantages of both leading and lagging indicators and modify the definition of loss to better identify how to apply more accurate dollar costs to identify what constitutes loss. Build the skills you need to work with upper management to select what metrics reflect “success” in managing organizational risks.

Learning Objectives:

- Apply traditional lagging indicators, such as incident rates and lost-time incident rates, in a manner that fits with the organization’s business plans
- Select leading indicators that will be useful in preventing loss and apply such indicators to help build a safety culture and measure management accountability for safety
- Expand the types of metrics being used to measure safety performance
- Measure losses beyond direct costs
- Convert measurement of loss into financial terms

Level: Intermediate

Track: Safety Management/Systems

Length: 1 day

CEUs: 0.7

Instructor(s): C. Gary Lopez, M.S., CSP, FASSP

Date(s): Monday, February 8, 2021

Analytics for Safety: A New Approach to Performance Measurement

Description: Organizations have long used data analysis to drive improved performance. However, the quality of data now being accumulated and the speed at which data are being reported enables organizations to gain valuable insights to improve their overall performance. Explore data points that drive success from an occupational safety and health (OSH) perspective and discover how this information can lead to continuous improvement in critical areas such as workplace incidents and injuries, absenteeism and productivity.

Learning Objectives:

- Determine how leading indicators can be used to drive improved outcomes
- Analyze key success factors to drive system and process change
- Review how analytics are being deployed to improve safety performance
- Implement different learning tools to support engagement and implementation

Level: Advanced

Track: Safety Management/Systems

Length: 1 day

CEUs: 0.7

Instructor(s): Todd Hohn, CSP

Date(s): Monday, February 8, 2021

Lean Six Sigma Tools for Safety Professionals

Description: Become familiar with risk assessment/lean six sigma tools for proposed or existing occupational safety and health (OSH) programs and projects. Learn to use lean six sigma tools as the framework to develop and improve safety and health management programs. Review detailed case studies to examine the methodology and practice using interactive lean six sigma tools.

Learning Objectives:

- Use appropriate terminology and lean six sigma tools to implement OSH improvement programs
- Apply lean six sigma tools to existing operations and process improvements
- Effectively implement lean six sigma techniques
- Evaluate and prioritize risk and analyze risk-reduction case studies
- Use operational excellence methodology
- Identify operational value factors used to support business decisions
- Align safety and health interventions with business goals and objectives
- Use an applications program supporting lean six sigma OSH analysis

Level: Intermediate

Track: Safety Management/Systems

Length: 1 day

CEUs: 0.7

Instructor(s): Georgi Popov, Ph.D., CSP, ARM, SMS, QEP

Date(s): Tuesday, February 9, 2021

Beyond Compliance: A Healthier Workplace Makes for a Safer Workplace

Description: Most contemporary workplace health protection programs (i.e., safety) are separated from workplace health promotion programs (i.e., wellness). The two are often housed in distinct organizational divisions, and the programs are usually administered as distinct, separate activities, with minimal attempts at integration. Discuss how this prevents optimal use of resources and impedes efforts to maximize workers' overall health and productivity and identify ways you can effect change to better integrate safety and health.

Learning Objectives:

- Identify the key issues facing employees due to the changing workforce dynamics
- Examine how other organizations have successfully integrated safety and health and the impact on workplace injuries
- Discuss best practices to promote a safe, healthy workplace
- Discuss techniques to change management's perception of safety and health as a cost center to a key to profitable growth

Level: Advanced

Track: Safety Management/Systems

Length: 1 day

CEUs: 0.7

Instructor(s): Todd Hohn, CSP

Date(s): Wednesday, February 10, 2021

Safety Management II

Description: Build on what you learn in Safety Management I to implement a safety management system within your organization and practice techniques to measure its effectiveness. You will also develop skills that will help you strengthen an existing safety management system.

Learning Objectives:

- Review various types of safety management systems and evaluate their application to the safety function
- Practice various methods for assessing the performance of a safety management system
- Evaluate various leading metrics and determine how they may benefit your organization
- Use effective leadership and communication skills, training and ethical behavior to improve safety performance

Level: Beginner

Track: Safety Management/Systems

Length: 2 days

CEUs: 1.4

Instructor(s): James "Skipper" Kendrick, Jr., CSP, CIT, FASSP

Date(s): Thursday, February 11 – Friday, February 12, 2021

LeadSAFE

Description: LeadSAFE is an innovative, leadership-based safety and risk management process that engages organizational leaders, managers, supervisors and workers in simple, time-sensitive safety and risk management activities. The activities produce tangible and measurable results, leading to immediate and sustained safety culture improvement. Developed and implemented over the course of 40 years, this proven process can help you change the way your organization protects workers and its bottom-line profitability.

Learning Objectives:

- Operationalize best-in-class safety and risk management system tools to meet and exceed existing safety and risk management consensus standard requirements
- Discuss key methods for assessing your organization's existing safety and risk management culture to determine strengths, weaknesses and barriers to excellence
- Analyze critical concepts understood and accepted by organizations that attain and sustain performance excellence
- Define the five reasons organizations improve their existing culture
- Apply LeadSAFE tools at the worker, supervisor, manager and process levels

Level: Intermediate

Track: Safety Management/Systems

Length: 2 days

CEUs: 1.4

Instructor(s): Samuel J. Gualardo, CSP, FASSP

Date(s): Thursday, February 11 – Friday, February 12, 2021

Influential Leadership Skills

Description: Safety has evolved from a function that provides only technical expertise to one that provides leadership at all levels of an organization. Contemporary safety professionals must influence executive management through effective guidance and direction. Whether you are an executive-level safety professional or an emerging safety leader, you will learn the principles of leadership, strategic thinking and planning; discuss techniques for influencing executive, middle and line management; review expected ethical behavior; and discuss how to select the best management model to improve your organization's safety performance.

Learning Objectives:

- Apply the principles of leadership, participating in strategic thinking and planning to lead organizational safety, and determine the occupational safety and health (OSH) model that would most benefit your organization
- Demonstrate the unique traits of successful leaders to inspire and influence workers to improve safety performance
- Develop a stronger connection to your executive, middle and line leaders
- Integrate new concepts in OSH management and leadership into your organization

Level: Advanced

Track: Safety Management/Systems

Length: 2 days

CEUs: 1.4

Instructor(s): Joel Tietjens, CSP, CSHM, FASSP

Date(s): Thursday, February 11 – Friday, February 12, 2021

Internal OHSMS Auditing Using ISO 45001

Description: Examine ISO 45001-2018 from an auditor's perspective. Review components of an effective internal audit program and discuss steps necessary to plan for and complete internal occupational health and safety management system (OHSMS) audits. Develop skills to document nonconformance findings, assess adequacy and effectiveness of corrective actions, and evaluate the adequacy, suitability and effectiveness of the internal audit program. Demonstrate a solid understanding of audit programs and processes and apply the knowledge to complete an OHSMS audit. Your registration includes a digital copy of ISO 45001-2018.

Learning Objectives:

- Use tools to develop an OHSMS internal auditing program
- Plan and complete internal OHSMS audits
- Assess and improve your organization's OHSMS based on ISO 45001

Level: Intermediate

Track: Safety Management/Systems

Length: 2 days

CEUs: 1.4

Instructor(s): Kenneth A. Clayman, SMS

Date(s): Thursday, February 11 – Friday, February 12, 2021

ISO 45003: The Psychologically Healthy Workplace

Description: Psychosocial hazards are increasingly recognized as major challenges to safety, health and well-being at work. Psychosocial risks are associated with economic costs to organizations and society. Psychosocial hazards arise from how work is organized, social factors at work and aspects of the work environment. These hazards can occur in combination with other risks, can influence other hazards and can impact other workplace factors. Develop knowledge, use tools and access resources to develop high potential and resilient workforces that incorporate the tenets of ISO 45003, Psychologically Healthy Workplaces, in alignment with ISO 45001.

Learning Objectives:

- Define the ISO 45003 Standard Psychologically Healthy Workplaces
- Define similarities and differences between ISO 45001 and ISO 45003
- Understand the relationships between Psychologically Healthy Workplaces and Employee Centered Safety Cultures
- Leverage Occupational Health and Safety, Health Improvement Strategies, and Psychologically Healthy Workplaces to mitigate risk and drive creativity and innovation
- Define metrics and measures for success for the Psychologically Healthy Workplace

Level: Intermediate

Track: Safety Management/Systems

Length: 2 days

CEUs: 1.4

Instructor(s): Jeanette Black, Ed.D., SPHR-SCP

Date(s): Thursday, February 11 – Friday, February 12, 2021

Safety Management Systems: The Key to an Organization's Resilience Plan in a Pandemic

Description: Review firsthand experiences gained using the framework of occupational health and safety management systems (OHSMS) against the backdrop of the COVID-19 pandemic. Focus on the framework and implementation of the ANSI/ASSP Z10 Occupational Health and Safety Management Standard. Review the standard's requirements and elements, including the emergency response section with an eye on using your organization's or SMS to respond to emergencies. Discuss the effectiveness of existing OHSMS in responding to threats to an organization, such as a pandemic and review how to use an OHSMS to increase resiliency or to remain proactive in a rapidly changing environment. Review actual examples of failures and successes from experiences gained in 2020.

Learning Objectives:

- Develop an increased understanding of ANSI/ASSP Z10 elements and resources
- Build skills to better leverage your organization's OHSMS to prepare for unexpected challenges like those posed by COVID-19
- Develop responses to unexpected scenario exercises integrating the elements of your organization's OHSMS
- Review several lessons learned of preparedness juxtaposed with emergency situations from the COVID-19 pandemic

Level: Intermediate

Track: Safety Management/Systems

Length: 1 day

CEUs: 0.7

Instructor(s): Jim Frederick; Danyle R. Hepler, CSP, CPEA; John L. Esposito

Date(s): Monday, February 15, 2021

Permit Required: Confined Space Assessment, Entry and Rescue

Description: OSHA regulates entry into confined spaces in general industry and construction. Prepare to be a confined space competent person by discussing and practicing how to assess confined spaces, develop or update a written confined space program, issue permits, provide training and develop proper entry and rescue procedures for confined spaces. Other topics include air monitoring, ventilation, permits, retrieval and rescue requirements and equipment, contractors and OSHA-required recordkeeping.

Learning Objectives:

- Determine whether a confined space requires a permit
- Develop confined space entry and rescue procedures
- Create appropriate training for confined space entrants, attendants, entry supervisors and rescue teams
- Select the proper entry and rescue equipment
- Evaluate the ability of your designated confined space rescue team to respond to emergencies

Level: Intermediate

Track: Safety Management/Systems

Length: 1 day

CEUs: 0.7

Instructor(s): Jay Jamali, CSP, CHMM, CHCM

Date(s): Monday, February 15, 2021

Leveraging HOP to Operationalize Serious Injury and Fatality Prevention

Description: Via real case examples, learn how organizations apply principles of the new view of safety to address their most serious events. This shift in thinking will begin your journey to understanding how verification and validation processes are successfully applied to working conditions that combine two of the top 10 most hazardous workplaces in the U.S. When properly designed and deployed, this effort will positively impact the complexity around serious injuries and fatalities (SIFs). This process is based on the principle that more rules will not make workers safe because the work is complex, there is no one-size-fits-all solution, and it is impossible to identify and track everything that can fail. That's why safety professionals should manage controls, not react to failure (incidents).

Learning Objectives:

- Develop an understanding about why traditional methods for addressing industrial incidents do not apply to SIFs
- Establish a deeper consideration on how essential controls are established and more importantly how they are verified in the field
- Present scenarios to shift thinking from "stop work" to "start when certain"
- Demonstrate current trends within the industry
- Identify barriers to existing methodologies that often prevent long-term improvement

- Discuss solutions you can use to address SIFs

Level: Executive

Track: Safety Management/Systems

Length: 2 days

CEUs: 1.4

Instructor(s): Todd Hohn, CSP; Cary P. Usrey, Sr.

Date(s): Monday, February 15 – Tuesday, February 16, 2021

Implementing an ANSI/ASSP Z10 Management System Based on Systems Thinking

Description: Management systems are a powerful tool you can use to continuously improve occupational safety and health (OSH) in your organization. Expand your knowledge of foundational concepts of systems thinking and gain insights on concepts related to the new view of safety and human and organizational performance. Explore ways to develop a road map based on ANSI/ASSP Z10.0-2019 that organizations of all sizes can use to create a control structure to manage occupational risk and integrate with business systems. Review practical approaches that can help you transition from program-based firefighting activities to process-driven continual improvement. These approaches recognize that system performance is the product of the interaction of elements such as leadership, worker participation, planning, implementation, monitoring and measurement, and culture. Your registration includes a digital copy of ANSI/ASSP Z10; ASSP GM-Z10.100-2019 Guidance and Implementation Manual for ANSI/ASSP Z10; and ASSP GM - Z10.101-2019 Guidance Manual: Keep Your People Safe in Smaller Organizations.

Learning Objectives:

- Use systems thinking to maximize effectiveness when establishing and implementing a management system
- Identify the assumptions and mental models that significantly impact your organization's occupational safety and health efforts
- Recognize the major elements of a management system and their interdependencies
- Plan improvement actions that focus on the whole system
- Recognize employees as a source of safety resilience and improvement
- Integrate elements of ANSI/ASSP Z10 with other systems such as ISO 9001, 14000 and 45001, and OSHA's Voluntary Protection Programs and Process Safety Management standard

Level: Intermediate

Track: Safety Management/Systems

Length: 2 days

CEUs: 1.4

Instructor(s): James Howe, CSP

Date(s): Monday, February 15 – Tuesday, February 16, 2021

Preventing Injuries: Applying the Total Worker Health Model

Description: Preventing injuries is always the goal, but how can that be accomplished given a workforce that is aging, has complex health issues and experiences work-related injuries? NIOSH's Total Worker Health (TWH) model can help refocus injury prevention efforts by placing focus on how the workplace environment can both reduce safety risks and enhance overall worker well-being. Build skills to assess your organization based on the five elements of TWH model, identify areas for improvement, then develop a targeted action plan.

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Learning Objectives:

- Identify the five elements of the TWH model
- Discuss why the model works to reduce work-related injuries and enhance worker well-being
- Determine what aspects of your current safety efforts embody the TWH approach
- Recognize initial steps to help your organization improve its TWH
- Develop an action plan based on your needs assessment and available resources

Level: Intermediate

Track: Safety Management/Systems

Length: 1 day

CEUs: 0.7

Instructor(s): Deborah R. Roy, MPH, CSP, COHN-S, CIT, FASSP

Date(s): Tuesday, February 16, 2021

Systematic Slip and Trip Prevention

Description: Slips and trips remain a major issue across industries, despite what is often perceived as a simple set of prevention factors. While these factors may seem simple on the surface, the challenge comes in the details of applying and implementing in different environments over time. Discuss causal factors, prevention concepts and application to build your knowledge of available approaches and develop your ability to apply them.

Learning Objectives:

- Recognize elements of slip and trip risk
- Apply prevention practices to real-world situations
- Discern limitations of various prevention approaches
- Select approaches based on conditions
- Identify and prioritize combinations of issues for rapid progress

Level: Intermediate

Track: Safety Management/Systems

Length: 1 Day

CEUs: 0.7

Instructor(s): David M. Natalizia

Date(s): Tuesday, February 16, 2021

Lock Out/Tag Out (LOTO) A - Z

Description: Lock Out/Tag Out (LOTO) is consistently a top five general, serious and willful violation cited by OSHA. Identify equipment that needs LOTO, review how to develop the required written LOTO program and procedures, discuss how to train employees, examine how to select LOTO devices and prepare to audit the LOTO program annually as required by OSHA 29 CFR 1910.147.

Learning Objectives:

- Identify equipment that needs LOTO as compared to equipment-specific LOTO
- Develop a written LOTO program
- Perform the annual audit and inspection

Level: Intermediate

Track: Safety Management/Systems

Length: 1 day

CEUs: 0.7

Instructor(s): Jay Jamali, CSP, CHMM, CHCM

Date(s): Wednesday, February 17, 2021

Safety and Technology

Description: Some current occupational safety and health (OSH) risks did not exist 20 years ago. Others didn't exist last week. Practice risk identification techniques using checklists and smart devices, wearable sensor technology, "smart" PPE, data collection and analysis, big data management, machine learning and artificial intelligence, infrared cameras, 3D printing and holographic training, exoskeletons, robotics and drones.

Learning Objectives:

- Use advanced technology applications
- Develop a plan for the challenges posed by developing and emerging risks
- Describe the benefits of modern technology for the safety profession

Level: Intermediate

Track: Safety Management/Systems

Length: 1 Day

CEUs: 0.7

Instructor(s): Georgi Popov, Ph.D., CSP, QEP, ARM, SMS, ASP, CMC

Date(s): Wednesday, February 17, 2021

The Safety Observation Blueprint

Description: Look beyond the hazard identification process to review the policy behind collecting safety observations, discuss the roles and responsibilities related to observations, examine the process to ensure consistent data collection and develop a data use plan used to turn observation data into actionable information. We will leverage best practices, case studies, practical tools and hands-on applications to help you easily implement the process in your organization.

Learning Objectives:

- Develop a structured and formalized observation plan
- Create a consistent methodology for collecting observations
- Develop a robust data use plan that will aid in turning safety observation information into actionable data
- Discuss metrics and analytics you can incorporate into the safety observation program

Level: Intermediate

Track: Safety Management/Systems

Length: 1 day

CEUs: 0.7

Instructor(s): Cary P. Usrey, Sr.

Date(s): Thursday, February 18, 2021

Measuring Safety Culture

Description: Safety management systems (SMS) are the way of the future. Safety professionals must be able to use the elements of a SMS to build a positive safety culture. Build the skills to overlap two complex areas of safety to generate a 3D picture of your organization's safety program. Using the 3D model, you will score your organization's safety culture on the spot and devise action plans for SMS and safety culture excellence.

Learning Objectives:

- Define safety culture
- Identify the pillars of an SMS
- Assess and score your company's current safety culture based on the pillars of the SMS
- Build checklists and scorecards for auditing safety management system
- Score your current safety program or management system as well as your current safety culture

Level: Advanced

Track: Safety Management/Systems

Length: 1 day

CEUs: 0.7

Instructor(s): Cynthia E. Braun, CSP, CHMM, CIT

Date(s): Thursday, February 18, 2021

Employment Law for Safety Professionals 2.0

Description: Review employment law issues affecting the safety profession and build skills to minimize legal risks. Topics include ADA, FMLA, retaliation risks with injured workers and whistleblowers, age discrimination, and various torts related to managing safety and security. Develop an understanding of the implications related to expanding legalization of marijuana, substance abuse testing and strategically protecting information through attorney-client privilege.

Learning Objectives:

- Articulate foundational elements of pertinent employment laws such as ADA, FMLA and ADEA
- Examine current employment practices such as conducting employee physicals, directing/designing post-job offer physicals and functional capacity exams, managing workers' compensation claims, investigating incidents, managing security
- Evaluate employment law risks associated with those practices
- Identify potential legal risks associated with interacting and communicating with employees
- Construct strategic safety programs and policies that overlap with human resources functions
- Review the basic procedural framework of legal proceedings for employment law disputes
- Discuss attorney-client privilege and work product exceptions in a more in-depth manner
- Communicate effectively with in-house and external counsel when employment law issues and disputes arise

Level: Intermediate

Track: Safety Management/Systems

Length: 2 days

CEUs: 1.4

Instructor(s): Barry S. Spurlock, J.D., CSP

Date(s): Thursday, February 18 – Friday, February 19, 2021

Measuring Safety Based on Business Goals

Description: How do safety professionals use leading indicators to make changes to safety and health in real time instead of waiting until the end of the year? How can safety and health be supportive of and integrated into business goals? Beginning with a set of business goals, we will walk through the process of setting safety goals and objectives, develop performance indicators and safety metrics to track the safety goals, then develop leading indicators to track progress and make changes in real time.

Learning Objectives:

- Define leading indicators and review their uses
- Discuss the limitations of lagging indicators
- Develop leading indicators from business goals
- Develop a system to track leading indicators
- Use leading indicator information to change direction in real time

Level: Intermediate

Track: Safety Management/Systems

Length: 1 day

CEUs: 0.7

Instructor(s): Wayne Vanderhoof, CSP

Date(s): Friday, February 19, 2021

TRAINING/EDUCATION

Safety: Making It Stick

Description: Why can everyone remember an urban legend, a rumor or a story told over dinner, yet leave a safety meeting and not remember the topics discussed? Learn principles of stickiness that you can apply to ensure your safety communications stick, meaning people will understand and remember it, and it will change something. Safety professionals communicate in various ways, yet often struggle to ensure our information gets attention and resonates. Using these concepts — simple, unexpected, concrete, credible, emotional and stories — you can make your ideas, messages and information stickier and affect desired change.

Learning Objectives:

- Develop awareness and understanding of the stickiness factors
- Discuss how concrete and credible concepts help retention
- Apply emotions and stories to strengthen messages and communications

Level: Intermediate

Track: Training/Education

Length: 1 day

CEUs: 0.7

Instructor(s): Eldeen E. Pozniak, CRSP, CMIOSH

Date(s): Monday, February 15, 2021

How to Develop a Comprehensive Training Program and Effective Training Courses

Description: Use ANSI/ASSP Z490.1 and Z490.2, OSHA guidance and recommended practices to develop a training program and a training course that meets or exceeds applicable standards. Practice during this hands-

on class will take you through the step-by-step process of developing effective, quality training courses, and administering a training program. Your registration includes a digital copy of ANSI/ASSP Z490.1.

Learning Objectives:

- Develop a training program and training courses that meet or exceed applicable standards
- Describe what is required for administering an effective training program
- Develop effective trainee evaluation methods
- Create an effective training evaluation and improvement process

Level: Intermediate

Track: Training/Education

Length: 2 days

CEUs: 1.4

Instructor(s): Wayne Vanderhoof, CSP

Date(s): Monday, February 15 - Tuesday, February 16, 2021

Be Socrates: Trainer to Facilitator

Description: A safety philosophy (Philosophia Soteria) exists that represents the body of knowledge and wisdom of occupational safety and health (OSH) practice. Discuss basic safety philosophy to leverage influence on decision-makers by transforming from using a compliance-based manager approach to an adaptive facilitator approach. By incorporating themes of influence into practice, you can create opportunities for people at all levels in an organization to contribute to workplace safety and health with a collective intelligence. The terms “trainer” and “facilitator” are often used interchangeably despite significant differences between the two roles. Fundamentally, the focus of training is on learning where a trainer is to inform learners about specific competencies, knowledge, skills and abilities. Facilitators aim to help learners achieve goals by guiding them through an efficient and productive self-discovery learning process. Learn and experience expert facilitation during this interactive course covering best practices for adult training delivery methods and explore how to apply Socrates’ methods for balancing trainer and facilitator skills.

Learning Objectives:

- Identify and explain the process and value of facilitation
- Explain adult learner characteristics
- Explain methods for facilitating activity based and self-directed learning
- Recognize group dynamics and motivations and communicate clear guidelines and instructions

Level: Intermediate

Track: Training/Education

Length: 1 day

CEUs: 0.7

Instructor(s): Daniel J. Snyder, Ph.D., CSP, CHST, OHST, SMS, CIT

Date(s): Tuesday, February 16, 2021

Build a Safety Training Course

Description: Collaborate with peers and a trained instructional designer on a short training course that you can immediately take back to your organization.

Learning Objectives:

- Use the ADDIE (analysis, design, development, implementation, evaluation) model to create an effective training course for adult learners

- Write learning objectives and develop a training course to help learners meet them
- Design assessments around learning objectives
- Demonstrate ways to engage learners online and in person

Level: Intermediate

Track: Training/Education

Length: 1 day

CEUs: 0.7

Instructor(s): Delaney King

Date(s): Wednesday, February 17, 2021

How to Defend Your Safety Training: Is it Good Enough?

Description: Training is critical to saving lives and money. Hear insights about defensible safety training programs that, most importantly, ensure workers are properly trained and educated about workplace hazards, risks and controls. ANSI/ASSP Z490.1, Criteria for Accepted Practices in Safety, Health and Environmental Training, covers the major elements of effective training programs that will help your organization defend against litigation and OSHA citations.

Learning Objectives:

- Identify the need for a defensible safety training and educational system
- Define the major elements of safety, health and environmental training standards
- Discuss how to use this standard to assess and improve your corporate training programs

Level: Advanced

Track: Training/Education

Length: 1 day

CEUs: 0.7

Instructor(s): Daniel J. Snyder, Ph.D., CSP, CHST, OHST, SMS, CIT

Date(s): Thursday, February 18, 2021

Safety Training Boot Camp

Description: Get a solid foundation, lots of practice and helpful take-home materials to help you use sound instructional design practices and evidence-based training practices to improve the effectiveness of your safety training. You'll learn to write learning objectives, use learning development models, apply evidence-based training practices, create learning assessments and evaluate safety training effectiveness.

Learning Objectives:

- Design and write proper learning objectives that lead to effective training
- Use evidence-based training practices to design, develop and deliver effective safety training
- Design and/or write sound learning assessment items
- Use various learning evaluation models

Level: Beginner

Track: Training/Education

Length: 1 day

CEUs: 0.7

Instructor(s): Jeff Dalto

Date(s): Thursday, February 18, 2021

The Foundation of Effective Safety Coaching

Description: Coaching is often viewed as difficult and many safety professionals struggle with where to begin. This course provides the foundation for coaching in a safety-based environment with developed strategies and methods. Discuss the coaching challenge and the psychology of coaching using facts and case studies, take away tips for effectively implementing coaching and practice your coaching skills with other learners.

Learning Objectives:

- Identify the five core coaching skills
- Discuss the five steps of the coaching exchange
- Debate the five guiding principles of coaching in safety
- Define a coaching question and identify which category it belongs in
- Develop a strategy for co-active coaching
- Write your own coaching plan to implement when you return to work
- Articulate the 50 most powerful coaching questions in safety

Level: Beginner

Track: Training/Education

Length: 2 days

CEUs: 1.4

Instructor(s): Cole L. Tait; Delaney King

Date(s): Thursday, February 18 – Friday, February 19, 2021

Are You Speaking the Right Language? Multicultural Considerations for Safety Communications and Training

Description: With the increase of globalization in the world, cultural diversity or multiculturalism in the workplace has grown. Gain insight on cultural differences, assess their impact on your organization, discuss why these considerations matter in safety, and identify active steps for making it a positive, rather than a negative, in your organization.

Learning Objectives:

- Assess the effects of multiculturalism as a factor in workplace safety
- Develop stronger cultural intelligence through knowledge of and applied working of five cultural dimensions
- Apply specific considerations when planning communications, teamwork and training

Level: Intermediate

Track: Training/Education

Length: 1 day

CEUs: 0.7

Instructor(s): Eldeen E. Pozniak, CRSP, CMIOSH

Date(s): Friday, February 19, 2021