Course Description

Exploration of the OSHA regulations and related safety practices governing the construction industry. Provides an analysis of the high incident/accident rates in the construction industry and how it contributed to the passage of the OSH Act in 1970. Presents practical examples of how to apply “on the job” construction safety and health programs and policies.

Prerequisites

None

Course Textbook


Course Learning Objectives

Upon completion of this course, students should be able to:

1. Examine and explain the theories and concepts of construction safety and health.
2. Discuss, evaluate, and interpret OSHA’s construction standards and related safety practices.
3. Describe how to apply construction safety and health programs and policies while on the job.
4. Identify and discuss safety and health issues and practices in the workplace.
5. Explain how to estimate the costs of work accidents and rates.
6. Describe contractors and safety and health teams.
7. Discuss ethics and safety, including how ethics is an important part in the construction safety profession.
8. Explain the Workers’ Compensation Program.
9. Discuss hazard analysis and risk assessment.
10. Define and discuss stress, workplace violence, and conflict resolution.
11. Explain the emergency response system and its importance to the construction safety professional.
12. Discuss ISO 14000 and its importance to the construction professional.

Credits

Upon completion of this course, the students will earn three (3) hours of college credit.

Course Structure

1. **Unit Learning Objectives**: Each unit contains Unit Learning Objectives that specify the measurable skills and knowledge students should gain upon completion of the unit.
2. **Written Lectures**: Each unit contains a Written Lecture, which discusses lesson material.
3. **Reading Assignments**: Each unit contains Reading Assignments from one or more chapters from the textbook. Supplemental Readings are provided in Units III and V to aid students in their course of study.
4. **Learning Activities (Non-Graded)**: These non-graded Learning Activities are provided in Unit VI to aid students in their course of study.
5. **Key Terms**: Key Terms are intended to guide students in their course of study. Students should pay particular attention to Key Terms as they represent important concepts within the unit material and reading.
6. **Discussion Boards**: Discussion Boards are a part of all CSU term courses. Information and specifications regarding these assignments are provided in the Academic Policies listed in the Course Menu bar.

7. **Unit Assessments**: This course contains eight Unit Assessments, one to be completed at the end of each unit. Assessments are composed of written response and matching questions.

8. **Unit Assignments**: Students are required to submit for grading Unit Assignments in III, V, and VI. Specific information and instructions regarding the Unit Assignments are provided below.

9. **Research Paper**: Students are required to submit for grading a Research Paper in Unit VIII. Specific information and instructions regarding this assignment are provided below. A grading rubric is included with this assignment. Specific information for accessing this rubric is included below.

10. **Ask the Professor**: This communication forum provides you with an opportunity to ask your professor general or course content related questions.

11. **Student Break Room**: This communication forum allows for casual conversation with your classmates.

**CSU Online Library**

There is a virtual library with resources, including both journals and ebooks, to support your program and your course at Columbia Southern University. eResources are accessible 24 hours a day/7 days a week from the CSU Online Library gateway page. To access the library, log into myCSU, and then click on CSU Online Library. Resources are organized in the library by title, but if you click on Research Guides, you will find eResources arranged by subject.

The Library Reference service is available 7 days a week; you can reach CSU’s virtual librarians by emailing thevirtuallibrarian@columbiasouthern.edu. These professional librarians will be glad to help you develop your research plan or to assist you in any way in finding relevant, appropriate, and timely information.

Librarian responses may occur within minutes or hours, but it will never take more than 24 hours for a librarian to send a response to the email address you have provided. Replies to reference requests may include customized keyword search strategies, links to videos, research guides, screen captures, attachments, a phone call, live screen sharing, and meeting room appointments, as well as other forms of instruction.

**Unit Assignments**

**Unit III Paper Topic**

In this course, you are asked to prepare a research paper on construction-related fall accidents. To get started on the research paper, it is best to begin to narrow down your topic, or the accident. You have two choices for this assignment. Complete only ONE of the following options.

**Option One**: At this point, if you are unsure about which accident to select, narrow it down to three accidents. Write two to three paragraphs and include each of the following:

- Briefly summarize the accident;
- Your initial thoughts about the cause of the accident; and
- Your initial thoughts about potential fall protection plan(s).

**Option Two**: If you are sure about your topic, prepare one to two pages of your initial thoughts about the accident. Include each of the following:

- Briefly summarize the accident;
- Your initial thoughts about the cause of the accident; and
- Your initial thoughts about potential fall protection plan(s).

The purpose of this assignment is to allow you to select a topic (i.e., accident) for your Research Paper, and to begin thinking about how you will approach the rest of the paper.

Format your Paper Topic using APA style. Use your own words, and include citations and references as needed to avoid plagiarism.
Unit V Article Review

For this assignment, choose a peer-reviewed article to review. Use the databases within the CSU Online Library, or use another source that contains peer-reviewed articles. The purpose of this assignment is for you to practice reviewing articles that contribute to the industry. The authors of these articles are researchers and professionals who have shared or experimented with ideas that demonstrate potential to improve the industry. As a professional in the industry, it is in your best interest to review the literature and trends. This provides you with the opportunity to read about what was successful and how it was accomplished. Plus, it allows you to analyze what was unsuccessful, how you can improve it, or at least how you can avoid repeating the mistakes of others. Use these skills to contribute to Research Papers and other scholarly writings. If you have not already, hopefully you will contribute to the industry by publishing an article and sharing with your community of peers.

As you read the article you chose for this assignment, consider the following questions: How could the topic of this article apply to your personal or professional life? How could it apply to an organization you have observed?

The article you choose must meet the following requirements:

- Be peer reviewed;
- Relate to the concepts within this course (try to choose an article that contributes to your research paper);
- Be at least ten pages in length.

The writing you submit must meet the following requirements:

- Be one to two pages in length;
- Identify the main topic/question;
- Identify the author’s intended audience; and
- Describe what you took away from the article.

Format your Article Review using APA style. Use your own words, and include citations and references as needed to avoid plagiarism.

Unit VI Paper Outline

The research paper in this course asks you to select a topic or scenario, research it, and report the details.

By now, you had the opportunity to review the topics, select one, and briefly reflect on the topic. To stay on track and to continue to make progress on the research paper, prepare an outline with the major headings or topic sentences. An outline is a great way to provide organization for papers and projects. Your outline should include the following:

- The topic;
- One paragraph that describes the importance of the topic; and
- At least four major headings in outline form.

CSU requires that students use the APA format in writing course papers. Therefore, the APA rules for formatting, quoting, paraphrasing, citing, and listing of sources are to be followed.

You do NOT have to commit to the details of your outline until the research paper is finished. As you continue to research the topic and draft the paper, the organization of your thoughts (i.e., the details of the outline) may evolve. That is expected and acceptable. To organize those thoughts, it is a good idea to begin with an outline.

Use your own words, prepare the assignment in a word-processing application, and submit the outline as one of the following file formats: DOC, DOCX, or PDF.

Research Paper

Accidents from falling are one of the leading causes of death and injuries in the construction industry. Find and review several articles in professional publications on construction-related fall accidents. Also, find and review several sample fall protection programs for construction companies, as well as visit www.osha.gov for relevant fall protection requirements. Choose at least one accident you would like to research further and construct a paper that includes the following:
• A brief introduction of the problem with fall-related accidents in the construction industry.
• A review and analysis of the fall accident chosen for further research.
• A detailed discussion on the causative factors associated with the fall accident.
• A sample fall protection program developed to suit only the type of work being performed in the accident that is being reviewed. Be specific and include the factors related to the accident. (Do not include portions of a program not directly related to the work in the researched accident.)
• A summary of the student's conclusions on fall hazards in the construction industry, and opinions on the necessity for a fall protection plan.

Your research paper analysis should be at least five pages of text in 12-point double-spaced Times Roman font. Please include an APA style reference for the in-text citations and references that you use.

APA Guidelines

CSU requires that students use the APA style for papers and projects. Therefore, the APA rules for formatting, quoting, paraphrasing, citing, and listing of sources are to be followed. A document titled “APA Guidelines Summary” is available for you to download from the APA Guide Link, found in the Learning Resources area of the myCSU Student Portal. It may also be accessed from the Student Resources link on the Course Menu. This document provides links to several internet sites that provide comprehensive information on APA formatting, including examples and sample papers.

Blackboard Grading Rubrics

Assignment Rubrics

One or more assignments in this course utilizes a Blackboard Grading Rubric. A rubric is a tool that lists evaluation criteria and can help you organize your efforts to meet the requirements of an assignment. Your professor will use the Blackboard Grading Rubric to assign points and provide feedback for the assignment.

You are encouraged to view the assignment rubric before submitting your work. This will allow you to review the evaluation criteria as you prepare your assignments. You may access the rubric in “My Grades” through the “Tools” button in your course menu. Click the “View Rubric” link to see the evaluation criteria for the assignment. Upon receiving your assignment grade, you may view your grade breakdown and feedback in the rubric.

CSU Grading Rubric for Papers/Projects

The course papers will be graded based on the CSU Grading Rubric for all types of papers, unless otherwise specified within assignment instructions. In addition, all papers will be submitted for electronic evaluation to rule out plagiarism. Course projects will contain project specific grading criteria defined in the project directions. To view the rubric, click the Academic Policies link on the Course Menu, or access it through the CSU Grading Rubric link found in the Learning Resources area of the myCSU Student Portal.

Communication Forums

These are non-graded discussion forums that allow you to communicate with your professor and other students. Participation in these discussion forums is encouraged, but not required. You can access these forums with the buttons in the Course Menu. Instructions for subscribing/unsubscribing to these forums are provided below.

Click here for instructions on how to subscribe/unsubscribe and post to the Communication Forums.

Ask the Professor

This communication forum provides you with an opportunity to ask your professor general or course content questions. Questions may focus on Blackboard locations of online course components, textbook or course content elaboration, additional guidance on assessment requirements, or general advice from other students.
Questions that are specific in nature, such as inquiries regarding assessment/assignment grades or personal accommodation requests, are NOT to be posted on this forum. If you have questions, comments, or concerns of a non-public nature, please feel free to email your professor. Responses to your post will be addressed or emailed by the professor within 48 hours.

Before posting, please ensure that you have read all relevant course documentation, including the syllabus, assessment/assignment instructions, faculty feedback, and other important information.

**Student Break Room**

This communication forum allows for casual conversation with your classmates. Communication on this forum should always maintain a standard of appropriateness and respect for your fellow classmates. This forum should NOT be used to share assessment answers.

**Grading**

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<tr>
<th>Component</th>
<th>Percentage</th>
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<tr>
<td>Discussion Board (8 @ 3%)</td>
<td>24%</td>
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<tr>
<td>Unit Assessments (8 @ 3%)</td>
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<tr>
<td>Unit III Paper Topic</td>
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<tr>
<td>Unit V Article Review</td>
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<td>Unit VI Paper Outline</td>
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<tr>
<td>Research Paper</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>100%</strong></td>
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**Course Schedule/Checklist** *(PLEASE PRINT)*

The following pages contain a printable Course Schedule to assist you through this course. By following this schedule, you will be assured that you will complete the course within the time allotted.
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### Unit I: Roles and Personnel in Construction Safety

**Review:**
- Unit Study Guide

**Read:**
- Introduction, pg. 1-9
- Chapter 2: Roles of Construction Personnel in Safety and Health
- Supplemental Reading: See Study Guide

**Discuss:**
- Discussion Board Response: Submit your response to the Discussion Board question by Saturday, Midnight (Central Time)

**Submit:**
- Assessment by Tuesday, Midnight (Central Time)

**Notes/Goals:**

### Unit II: Accidents-Cost and Causation

**Review:**
- Unit Study Guide

**Read:**
- Chapter 1: Cost of Accidents: Why Safety is Important
- Chapter 3: Accident Causation Theories

**Discuss:**
- Discussion Board Response: Submit your response to the Discussion Board question by Saturday, Midnight (Central Time)
- Discussion Board Comment: Comment on another student’s Discussion Board response by Tuesday, Midnight (Central Time)

**Submit:**
- Assessment by Tuesday, Midnight (Central Time)

**Notes/Goals:**

### Unit III: Ethics in Construction Safety

**Review:**
- Unit Study Guide

**Read:**
- Chapter 4: Ethics and Safety
- Supplemental Reading: See Study Guide

**Discuss:**
- Discussion Board Response: Submit your response to the Discussion Board question by Saturday, Midnight (Central Time)
- Discussion Board Comment: Comment on another student’s Discussion Board response by Tuesday, Midnight (Central Time)

**Submit:**
- Assessment by Tuesday, Midnight (Central Time)
- Paper Topic by Tuesday, Midnight (Central Time)

**Notes/Goals:**
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<thead>
<tr>
<th>Unit IV</th>
<th>Construction Insurance and OSHA Compliance</th>
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<tbody>
<tr>
<td>Review:</td>
<td>☐ Unit Study Guide</td>
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</table>
| Read:   | ☐ Chapter 5: Workers’ Compensation and Other Kinds of Construction Insurance  
|         | ☐ Chapter 6: OSHA Compliance                |
|         | ☐ Supplemental Reading: See Study Guide      |
| Discuss:| ☐ Discussion Board Response: Submit your response to the Discussion Board question by Saturday, Midnight (Central Time)  
|         | ☐ Discussion Board Comment: Comment on another student’s Discussion Board response by Tuesday, Midnight (Central Time)  |
| Submit: | ☐ Assessment by Tuesday, Midnight (Central Time)  |
| Notes/Goals: |                                             |

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<tr>
<th>Unit V</th>
<th>Program, Plans, and Policies</th>
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<tr>
<td>Review:</td>
<td>☐ Unit Study Guide</td>
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| Read:  | ☐ Chapter 7: Construction Safety and Health: Program, Plans, and Policies  
|        | ☐ Supplemental Reading: See Study Guide       |
| Discuss:| ☐ Discussion Board Response: Submit your response to the Discussion Board question by Saturday, Midnight (Central Time)  
|         | ☐ Discussion Board Comment: Comment on another student’s Discussion Board response by Tuesday, Midnight (Central Time)  |
| Submit:| ☐ Assessment by Tuesday, Midnight (Central Time)  
|        | ☐ Article Review by Tuesday, Midnight (Central Time) |
| Notes/Goals: |                                             |

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<th>Unit VI</th>
<th>Record Keeping, Accident Investigation, and Reporting</th>
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<td>Review:</td>
<td>☐ Unit Study Guide</td>
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<td>☐ Learning Activities (Non-Graded): See Study Guide</td>
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<tr>
<td>Read:</td>
<td>☐ Chapter 8: Job Safety and Hazard Analysis</td>
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<td>☐ Chapter 9: Accident Investigation, Record Keeping, and Reporting</td>
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| Discuss:| ☐ Discussion Board Response: Submit your response to the Discussion Board question by Saturday, Midnight (Central Time)  
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<p>|        | ☐ Paper Outline by Tuesday, Midnight (Central Time) |
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<th><strong>Violence in the Workplace</strong></th>
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<tr>
<td><strong>Review:</strong></td>
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<td><strong>Read:</strong></td>
<td>□ Chapter 11: Preventing Violence in the Workplace</td>
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<td>□ Supplemental Reading: See Study Guide</td>
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<th><strong>Unit VIII</strong></th>
<th><strong>Safety and Emergency Response and Research Paper</strong></th>
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<tr>
<td><strong>Review:</strong></td>
<td>□ Unit Study Guide</td>
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<tr>
<td><strong>Read:</strong></td>
<td>□ Chapter 10: Emergency Response Plan</td>
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<td>□ Chapter 12: Promoting Safety</td>
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<td><strong>Discuss:</strong></td>
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