Course Description

Fire Scene Management is designed as a comprehensive look at the skills necessary to successfully manage an emergency incident. Using nationally accepted standards, the student will analyze and apply the strategic considerations necessary to be successful on the fire ground. In addition, the student will gain valuable knowledge of the NIMS (National Incident Management System), as well as how to employ the Incident Command System (ICS) on the fire ground.

Course Textbook


Course Learning Outcomes

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

1. Identify the fundamentals of emergency incident systems such as Incident Command System (ICS) and National Incident Management System (NIMS).
2. Discuss the responsibilities of emergency response personnel.
3. Analyze the functions of command.
4. Assess organizational health during a large-scale event to ensure appropriate personnel assignments.
5. Compare cue-based and classical decision-making models.
6. Describe how incident management is impacted by fire behavior.
7. Summarize strategies for successful incident management on the scene of an emergency incident.

Credits

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

Course Structure

1. **Study Guide**: Each unit contains a Study Guide that provides students with the learning outcomes, unit lesson, required reading assignments, and supplemental resources.
2. **Learning Outcomes**: Each unit contains Learning Outcomes that specify the measurable skills and knowledge students should gain upon completion of the unit.
3. **Unit Lesson**: Each unit contains a Unit Lesson, which discusses lesson material.
4. **Reading Assignments**: Each unit contains Reading Assignments from one or more chapters from the textbook.
5. **Suggested Reading**: Suggested Readings are listed in Units I-VIII. Students are encouraged to read the resources listed if the opportunity arises, but they will not be tested on their knowledge of the Suggested Readings. Chapter presentations are provided in each unit study guide as Suggested Reading to aid students in their course of study.
6. **Learning Activities (Non-Graded)**: These non-graded Learning Activities are provided to aid students in their course of study.
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 questions.
8. **Unit Assignments**: Students are required to submit for grading Unit Assignments in Units II, III, and V-VIII. Specific information and instructions regarding these assignments are provided below. Grading rubrics are included with each assignment. Specific information about accessing these rubrics is provided below.
9. **Ask the Professor:** This communication forum provides you with an opportunity to ask your professor general or course content related questions.
10. **Student Break Room:** This communication forum allows for casual conversation with your classmates.

**CSU Online Library**

The CSU Online Library is available to support your courses and programs. The online library includes databases, journals, e-books, and research guides. These resources are always accessible and can be reached through the library webpage. To access the library, log into the myCSU Student Portal, and click on “CSU Online Library.” You can also access the CSU Online Library from the “My Library” button on the course menu for each course in Blackboard.

The CSU Online Library offers several reference services. E-mail (library@columbiasouthern.edu) and telephone (1.877.268.8046) assistance is available Monday – Thursday from 8 am to 5 pm and Friday from 8 am to 3 pm. The library’s chat reference service, Ask a Librarian, is available 24/7; look for the chat box on the online library page.

Librarians can help you develop your research plan or assist you in finding relevant, appropriate, and timely information. Reference requests can include customized keyword search strategies, links to articles, database help, and other services.

**Unit Assignments**

**Unit II Case Study**

Click on the following link to access the Centers for Disease Control and Prevention (CDC) website: [http://www.cdc.gov/](http://www.cdc.gov/)

Use the search box, and enter the following; “Career Lieutenant and Career Fire Fighter Die and Four Career Fire Fighters are Seriously Injured during a Three Alarm Apartment Fire – New York,” or click the following link to the report: [http://www.cdc.gov/niosh/fire/reports/face200503.html](http://www.cdc.gov/niosh/fire/reports/face200503.html)

Within your assignment, ensure you discuss what happened and what you learned from this report, including the following:

1. Identify the fundamentals of the Incident Command System and which elements led to the outcome.
2. How can the Incident Command System be utilized to prevent such a disaster as this from occurring or prevent failures within the system from occurring?
3. How do Standard Operating Guidelines support the incident command system and command structure within departments?

Your case study paper should be a minimum of two pages in length, not counting title and reference pages. All sources used, including the textbook, must be referenced; paraphrased and quoted material must have accompanying citations in APA format. Make sure to use the textbook and report reference to support your statements.

Information about accessing the Grading Rubric for this assignment is provided below.

**Unit III Case Study**

Click on the following link to access the Centers for Disease Control and Prevention (CDC) website: [http://www.cdc.gov/](http://www.cdc.gov/)

Use the search box, and enter the following term; “Two Career Lieutenants Killed and Two Career Fire Fighters Injured Following a Flashover at an Assembly Hall Fire—Texas,” or click the following link to the report [http://www.cdc.gov/niosh/fire/reports/face201304.html](http://www.cdc.gov/niosh/fire/reports/face201304.html)
Within your assignment, ensure you discuss what happened and what you learned from this report, including the following:

1. Describe how incident management affected the outcome of this incident.
2. What fire behavior factors contributed to this incident and the outcome that led to these deaths, and what signs should firefighters been aware of during the course of operations to avoid the outcome?
3. Describe how a fire department should maintain crew integrity when operating in an immediately dangerous to life and health (IDLH) atmosphere.

Your case study paper should be a minimum of two pages in length, not counting title and reference pages. All sources used, including the textbook, must be referenced; paraphrased and quoted material must have accompanying citations in APA format. Make sure to use the textbook and report reference to support your statements.

Information about accessing the Grading Rubric for this assignment is provided below.

**Unit V Scholarly Activity**

Please select a major incident or tragedy that has occurred in the fire service in the last 10 years. Complete a well-organized, three-page paper related to issues and trends for handling the incident based on the findings in this course.

Ensure you address the following:

- Describe how the incident command impacted the outcome of the incident.
- Provide an assessment of the incident and strategies used.
- Discuss the responsibilities of emergency service personnel to ensure an incident such as this does not occur again.
- Provide recommendations for the fire service and the specific responsibilities of emergency responders regarding the outcome of this incident.

Your paper must contain at least three sources from the CSU Online Library in addition to your textbook. All sources used, including the textbook, must be referenced; paraphrased and quoted material must have accompanying citations in APA format.

Information about accessing the Grading Rubric for this assignment is provided below.

**Unit VI PowerPoint Presentation**

After reviewing the materials within this unit, you will develop a PowerPoint presentation covering the establishment of strategic goals and tactical objectives of various occupancy types as well as conditions that exist upon arrival. In addition, the hazards that exist must also be considered in the decision-making process regardless of whether these hazards are identified during the preplanning process or upon arrival to the incident.

For this assignment, understanding all of the factors that go into decision making, create your PowerPoint presentation comparing cue-based and classical decision-making models for a single and a multi-family occupancy.

Develop a PowerPoint presentation consisting of 10 to 12 slides that provides specific examples. Use at least two graphics to help support your presentation. You may use the slide notes function to explain slide contents as necessary. Be sure to cite your sources in a reference slide, using proper APA formatting. The title and reference slides are not included in the slide count.

Information about accessing the Grading Rubric for this assignment is provided below.

**Unit VII Case Study**

Click on the following link to access the Centers for Disease Control and Prevention website:
http://www.cdc.gov/

Use the search box, and enter the following term; “Career Lieutenant and Fire Fighter Killed and Two Fire Fighters Injured by Wall Collapse at a Large Commercial Structure Fire - Pennsylvania”; or click the following link to the report http://www.cdc.gov/niosh/fire/reports/face201213.html
For this case study assignment, ensure you discuss what happened and what you learned from this report, including the following issues:

- Identify the fundamentals of situational awareness and what the incident commander could have done to prevent this from occurring?
- Would an assessment of the organizational structure and assignments made within the incident action plan have affected the outcome of this commercial structure fire incident?
- Explain the rehabilitation process during this incident. Was it utilized effectively, and could the incident commander utilize this period to ensure the overall organizational health during the incident?
- How do Standard Operating Procedures affect abandoned and dilapidated buildings and the establishment of strategic goals and tactical objectives?

Your case study paper should be a minimum of two pages in length, not counting title and reference pages. All sources used, including the textbook, must be referenced; paraphrased and quoted material must have accompanying citations in APA format.

Information about accessing the Grading Rubric for this assignment is provided below.

**Unit VIII Project**

**Fire Service Project**

Please select a significant incident that has occurred within the fire service in the last 10 years to complete the project, answering the following questions in a well-organized and researched four- to six-page paper related to the concepts in this course. Your paper must contain at least three Internet sources in addition to professional journal articles or resources related to the profession of the fire service. In addition, follow these guidelines:

- Assess the incident that you selected, what specific changes have occurred to the functions and responsibilities of incident command. Please explain how these changes were communicated in the form of expectations to those personnel serving as incident commanders. Include any specific standard operating procedures and their relevance to this course that were developed specifically as a result of the outcome or recommendations from this incident.
- Explain how the knowledge of these failures has impacted changes in the way in which individuals are prepared for the position and functions of incident command.
- Analyze and describe the incident and the impact the incident command had on the outcome of the incident. Could this incident have been avoided? What is being done specifically in your department to ensure that a similar incident and outcome does not occur?
- Identify the changes this incident and your department has had on the service delivery in your community. Please address areas of prevention: education, engineering, and enforcement, including fire codes and fire protection systems.
- Describe the relation between the concepts from this course and the incident as well as the ramifications they have had on your department.

Students are required to submit this assignment using the APA style format, double-spaced with one-inch margins (top, bottom, and sides). The project must be submitted in 12 pt. Times New Roman, following proper APA guidelines.

Information about accessing the Grading Rubric for this assignment is provided below.

**APA Guidelines**

The application of the APA writing style shall be practical, functional, and appropriate to each academic level, with the primary purpose being the documentation (citation) of sources. CSU requires that students use APA style for certain papers and projects. Students should always carefully read and follow assignment directions and review the associated grading rubric when available. Students can find CSU’s Citation Guide by clicking here. This document includes examples and sample papers and provides information on how to contact the CSU Success Center.

**Grading Rubrics**

This course utilizes analytic grading rubrics as tools for your professor in assigning grades for all learning activities. Each rubric serves as a guide that communicates the expectations of the learning activity and describes the criteria for each
level of achievement. In addition, a rubric is a reference tool that lists evaluation criteria and can help you organize your efforts to meet the requirements of that learning activity. It is imperative for you to familiarize yourself with these rubrics because these are the primary tools your professor uses for assessing learning activities.

Rubric categories include: (1) Assessment (Written Response) and (2) Assignment. However, it is possible that not all of the listed rubric types will be used in a single course (e.g., some courses may not have Assessments).

The Assessment (Written Response) rubric can be found embedded in a link within the directions for each Unit Assessment. However, these rubrics will only be used when written-response questions appear within the Assessment.

Each Assignment type (e.g., article critique, case study, research paper) will have its own rubric. The Assignment rubrics are built into Blackboard, allowing students to review them prior to beginning the Assignment and again once the Assignment has been scored. This rubric can be accessed via the Assignment link located within the unit where it is to be submitted. Students may also access the rubric through the course menu by selecting “Tools” and then “My Grades.”

Again, it is vitally important for you to become familiar with these rubrics because their application to your Assessments and Assignments is the method by which your instructor assigns all grades.

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.

Once you have completed Unit VIII, you MUST unsubscribe from the forum; otherwise, you will continue to receive e-mail updates from the forum. You will not be able to unsubscribe after your course end date.

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

<table>
<thead>
<tr>
<th>Task</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Unit Assessments (8 @ 5%)</td>
<td>40%</td>
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<tr>
<td>Case Studies (3 @ 6.5%)</td>
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<td>Unit V Scholarly Activity</td>
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<tr>
<td>Unit VI PowerPoint Presentation</td>
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<tr>
<td>Unit VII Project</td>
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<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.
By following this schedule, you will be assured that you will complete the course within the time allotted. Please keep this schedule for reference as you progress through your course.

<table>
<thead>
<tr>
<th>Unit I</th>
<th>Fire Service Strategies and Tactics/Safety</th>
</tr>
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</table>
| Review: | - Unit Study Guide  
|        |   - Learning Activities (Non-Graded): See Study Guide |
| Read:   | - Chapter 1: History of Fire Service Strategies and Tactics, pp. 1-18  
|        |   - Chapter 2: Fire Fighter Safety, pp. 23-44  
|        |   - Suggested Reading: See Study Guide |
| Submit: | - Assessment |
| Notes/Goals: |

<table>
<thead>
<tr>
<th>Unit II</th>
<th>Incident Management Systems</th>
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| Review: | - Unit Study Guide  
|        |   - Learning Activities (Non-Graded): See Study Guide |
| Read:   | - Chapter 3: Incident Management Systems, pp. 49-68  
|        |   - Chapter 4: Coordination and Control, pp. 72-88  
|        |   - Suggested Reading: See Study Guide |
| Submit: | - Assessment  
|        |   - Case Study |
| Notes/Goals: |

<table>
<thead>
<tr>
<th>Unit III</th>
<th>Building Construction and Fire Dynamics</th>
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</table>
| Review: | - Unit Study Guide  
|        |   - Learning Activities (Non-Graded): See Study Guide |
| Read:   | - Chapter 5: Basic Building Construction, pp. 92-104  
|        |   - Chapter 6: Fire Dynamics, pp. 109-125  
|        |   - Suggested Reading: See Study Guide |
| Submit: | - Assessment  
|        |   - Case Study |
| Notes/Goals: |
## Unit IV: Preincident Planning and Fire Protection

**Review:**
- Unit Study Guide
- **Learning Activities (Non-Graded):** See Study Guide

**Read:**
- Chapter 7: Preincident Planning, pp. 129-142
- Chapter 8: Extinguishing Agents, pp. 146-161
- Chapter 9: Built-In Fire Protection, pp. 165-179
- **Suggested Reading:** See Study Guide

**Submit:**
- Assessment

Notes/Goals:

## Unit V: Company Operations Working Together

**Review:**
- Unit Study Guide
- **Learning Activities (Non-Graded):** See Study Guide

**Read:**
- Chapter 10: Company Operations, pp. 184-206
- Chapter 20: Putting It All Together, pp. 436-457
- **Suggested Reading:** See Study Guide

**Submit:**
- Assessment
- Scholarly Activity

Notes/Goals:

## Unit VI: Single and Multiple Family Dwellings

**Review:**
- Unit Study Guide
- **Learning Activities (Non-Graded):** See Study Guide

**Read:**
- Chapter 11: One- and Two-Family Dwellings, pp. 210-237
- Chapter 12: Multiple-Family Dwellings, pp. 241-266
- **Suggested Reading:** See Study Guide

**Submit:**
- Assessment
- PowerPoint Presentation

Notes/Goals:
## Unit VII: Commercial, Assemblies, and High-Rise Buildings

**Review:**
- Unit Study Guide
- **Learning Activities (Non-Graded):** See Study Guide

**Read:**
- Chapter 13: Commercial Buildings, pp. 271-296
- Chapter 14: Places of Assembly, pp. 301-320
- Chapter 15: High-Rise Office Buildings, pp. 325-341
- **Suggested Reading:** See Study Guide

**Submit:**
- Assessment
- Case Study

**Notes/Goals:**

## Unit VIII: Vehicle, Wildland, and Special Fires

**Review:**
- Unit Study Guide
- **Learning Activities (Non-Graded):** See Study Guide

**Read:**
- Chapter 16: Vehicle Fires, pp. 345-367
- Chapter 17: Wildland Fires, pp. 372-388
- Chapter 18: Special Fires, pp. 392-413
- **Suggested Reading:** See Study Guide

**Submit:**
- Assessment
- Project

**Notes/Goals:**