

Principles of Fire and Emergency Services Safety and Survival

Course Description: This course introduces the basic principles and history related to the national firefighter life safety initiatives, focusing on the need for cultural and behavior change throughout the emergency services.

Prerequisite: None

Outcomes

1. Define and describe the need for cultural and behavioral change within the emergency services relating to safety, incorporating leadership, supervision, accountability and personal responsibility.
2. Explain the need for enhancements of personal and organizational accountability for health and safety.
3. Define how the concepts of risk management affect strategic and tactical decision-making.
4. Describe and evaluate circumstances that might constitute an unsafe act.
5. Explain the concept of empowering all emergency services personnel to stop unsafe acts.
6. Validate the need for national training standards as they correlate to professional development inclusive of qualifications, certifications, and re-certifications.
7. Defend the need for annual medical evaluations and the establishment of physical fitness criteria for emergency services personnel throughout their careers.
8. Explain the vital role of local departments in national research and data collection systems.
9. Illustrate how technological advancements can produce higher levels of emergency services safety and survival.
10. Explain the importance of investigating all near-misses, injuries and fatalities.
11. Discuss how incorporating the lessons learned from investigations can support cultural change throughout the emergency services.
12. Describe how obtaining grants can support safety and survival initiatives.
13. Formulate an awareness of how adopting standardized policies for responding to emergency scenes can minimize near-misses, injuries and deaths.
14. Explain how the increase in violent incidents impacts safety for emergency services personnel when responding to emergency scenes.
15. Recognize the need for counseling and psychological support for emergency services personnel, their families, as well as, identify access to local resources and services.
16. Describe the importance of public education as a critical component of life safety programs.
17. Discuss the importance of fire sprinklers and code enforcement.
18. Explain the importance of safety in the design of apparatus and equipment.

Available Text: 16 Firefighter Life Safety Initiatives (www.everyonegoeshome.com)

Supporting References/Research for Faculty and Students:

Firefighter Life Safety Summit Initial Report and additional summit reports (Wildland firefighting, Health—Wellness—Fitness, Structural Firefighting, Emergency Vehicles and Roadway Safety, Culture Change) at www.everyonegoeshome.com.

Assessment: Students will be evaluated for mastery of learning objectives by methods of evaluation to be determined by the instructor.

Course Outline

Principles of Fire and Emergency Services Safety and Survival

- I. Introduction
 - A. History of fire service culture
 - B. Organizational culture
 - C. Individual role in culture/behavior
 - D. History of line of duty deaths and injuries statistics
 - E. Defining the nature of the problem
- II. The national context, health and safety
 - A. NFPA, OSHA
 - B. Medical and fitness standards
 - C. Data Collection (NFIRS)
 - D. Research/ Investigation NIST, NIOSH
- III. Training, equipment, response
 - A. Training, certification, credentialing
 - B. Apparatus and equipment
 - C. Emergency response – response to emergency scenes
 - D. Violent incidents
 - E. Emerging technologies
- IV. Organizational health and safety profile
 - A. Personal and organizational accountability
 - B. Present condition/culture
 - C. Investigations - internal
 - D. Analyzing your profile
 - E. Utilizing grants to meet needs
- V. Risk Management
 - A. Risk management concepts and practices
 - B. Unsafe acts
 - C. Empowerment definition
- VI. Prevention
 - A. Home fire sprinklers
 - B. Code enforcement
 - C. Public education/ fire and life safety
 - D. Counseling and psychological support

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Fire Department Safety Officer 1st Edition (2001) - 36472

Author/Publisher: IFSTA ISBN 10: 0-87939-191-x

This 1st edition of Fire Department Safety Officer addresses NFPA® 1521, Standard for Fire Department Safety Officer, which identifies the performance requirements necessary to perform the duties of a safety officer and also covers the applicable performance requirements of NFPA® 1500, Standard on Fire Department Occupational Safety and Health Program, and NFPA® 1021, Standard for Fire Officer Professional Qualifications. Safety Officer (1st edition) provides the health and safety officer and the incident safety officer with information necessary to perform the various tasks assigned, and lists resources that will further their knowledge of safety-related issues.

Fire Department Safety Officer Study Guide on CD-ROM - 37135

Author/Publisher: IFSTA/FPP

These easy-to-use multimedia learning systems are modern, electronic versions of FPP's classic printed study guides. They allow the individual student to proceed through the questions in any order, find out immediately whether his or her answer is right or wrong and be referred to the source for the correct answer if necessary. Most questions are in the multiple-choice format that is utilized by civil service and certification examinations. The program also tracks the results of each session as a record of progress. Each time the student goes through the program, the questions are rearranged randomly so that each session has a different look.

Windows® 95 and later, Windows® NT 4.0, Pentium Processor, 32 MB RAM, 17 MB Hard Disc Space, 16 bit High Color Display (minimum), CD-ROM Drive, Sound Card. In order for the program to operate on the user's computer, the CD must be inserted into the CD-ROM drive for verification.

Fire Department Safety Officer Study Guide (print) (2001) - 36484

Author/Publisher: IFSTA/FPP

ISBN 10: 0-87939-196-0

This study guide was designed to help the reader understand and remember the material presented in the first edition of Fire Department Safety Officer. It contains more than 600 questions: 15 matching, 173 true/false, 381 multiple choice, and 65 identify.
Pages: 99

Safety Officer Package ... - 37449

Author/Publisher: IFSTA/FPP

Special price available for Fire Department Safety Officer manual and BOTH study guides (print and CD-ROM)

Safety Officer Clip Art on CD-ROM ... - 38107

Author/Publisher: IFSTA/FPP

The artwork and photos on this disc are taken directly from the Fire Department Safety Officer (1st edition) manual. The images are named to correspond with the figure numbers in the manual. All images are in numerical order by chapter. The images on this disc are intended for on-screen computer monitor or projection use only and are at screen resolution (72 dpi).

Fire Department Safety Officer

Table of Contents

Preface

Chapters

1. The Evolution of the Fire Department Safety Officer
2. The Health and Safety Officer as a Risk Manager
3. Physical Fitness and Wellness Considerations
4. Health and Safety Officer's Responsibilities in the Training Process
5. Facilities Safety
6. Equipment Safety and Maintenance
7. Personal Protective Equipment
8. Emergency Response and Apparatus/Vehicle Safety
9. Incident Scene Safety

Some other Reports, etc. Used

- NFPA® 1500, Standard on Fire Department Occupational Safety and Health Program
- NFPA® 1021, Standard for Fire Officer Professional Qualifications. Safety Officer (1st edition)
- NFPA® 1710, Standard for the Organization and Deployment of Fire Suppression Operations, Emergency Medical Operations, and Special Operations to the Public by Career Fire Departments, 2004 Edition
- NFPA® 1720, Standard for the Organization and Deployment of Fire Suppression Operations, Emergency Medical Operations, and Special Operations to the Public by Volunteer Fire Departments, 2004 Edition
- USFA Firefighter Health and Safety: Training, Publications and Topical Fire Report Series <http://www.usfa.dhs.gov/fireservice/subjects/health/index.shtm>
 - **Related Topics:** [Alerts and Advisories](#) and [Research and Technology Initiatives](#)
 - **Links of Interest**
 - [EveryOneGoesHome.com](#)
 - [Fire Service Joint Labor Management Wellness-Fitness Task Force](#)
 - [Fire Service Today](#)
 - [Fire/EMS Safety, Health and Survival Week](#)
 - [Firefighter Fatality Investigation and Prevention Program](#)
 - [Fit to Survive: The Firefighter's Guide to Health and Nutrition](#)
 - [International Association of Fire Chiefs \(IAFC\) Safety, Health, and Survival](#)

- [NIST Report: The Economic Consequences of Firefighter Injuries and Their Prevention - PDF 2.4 Mb \(PDF Help\)](#)
- [NVFC Fired-Up for Fitness](#)
- NIOSH Safety and Health Topic: Fire Fighter Fatality Investigation and Prevention Program <http://www.cdc.gov/niosh/fire/>
- Forest Service Fire Operations Risk Management Council <http://www.fs.fed.us/fire/safety/>
- 10 Standard Fire Orders for wildland firefighters; the 18 Watch Out Situations; LCES: Lookouts - Communications - Escape Routes - Safety Zones <http://www.forestencyclopedia.net/p/p345>
- National Fire Fighter Near-Miss Reporting System <http://www.firefighternearmiss.com/>

I also use numerous documents, defining the current fire problem in the United States, firefighter injuries and fatalities based on NFIRS and other data; post incident analysis documents on emergency incidents, etc..

Another Option

OCCUPATIONAL SAFETY AND HEALTH IN THE EMERGENCY SERVICES, 2nd Ed.

By: James S. Angle

A comprehensive approach to program management for fire and emergency services. What sets this book apart from many that try to tackle the task of developing a sound safety and health program is its use of the five-category approach: pre-incident, fire incident, medical rescue incident, special incident, and post-incident. Very practical text, very easy to understand the concepts. Instructor guide available. The second-edition Instructor Resource Kit is on CD-ROM and includes: Instructor's Guide, PowerPoint Presentation, Chapter Quizzes and Answers, NFPA and FESHE Correlations.