

FIRE F220

Emergency Services Safety, Health and Survival

Course Syllabus

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 changes throughout the emergency services. This interactive course will examine current and future issues in emergency services including; close calls, near misses, line of duty deaths, risk management, mitigation and personal and organizational accountability.

Prerequisites: Fire F101, Fire F131, Fire F133, Fire F135 and Fire F137 or Instructor Permission

Course Objectives:

Describe the importance of public education as a critical component of life safety programs.

Discuss the importance of fire sprinklers and code enforcement.

Explain the importance of safety in the design of apparatus and equipment.

Define and describe the need for cultural and behavioral change within the emergency services relating to safety, incorporating leadership, supervision, accountability and personal responsibility.

Explain the need for enhancements of personal and organizational accountability for health and safety.

Define how the concepts of risk management affect strategic and tactical decision-making.

Describe and evaluate circumstances that might constitute an unsafe act.

Explain the concept of empowering all emergency services personnel to stop unsafe acts.

Validate the need for national training standards as they correlate to professional development inclusive of qualifications, certifications, and re-certifications.

Defend the need for annual medical evaluations and the establishment of physical fitness criteria for emergency services personnel throughout their careers.

Explain the vital role of local departments in national research and data collection systems.

Illustrate how technological advancements can produce higher levels of emergency services safety and survival.

Explain the importance of investigating all near-misses, injuries and fatalities.

Discuss how incorporating the lessons learned from investigations can support cultural change throughout the emergency services.

Describe how obtaining grants can support safety and survival initiatives.

Formulate an awareness of how adopting standardized policies for responding to emergency scenes can minimize near-misses, injuries and deaths.

Letter Grades for the course will be determined as follows and will reflect the grading system and grade point average computation policy stated in the current UAF course catalog:

- A.....100-90%
- B.....89-80%
- C.....79-70%
- D.....69-60%
- F.....Below 60%

Policies:

Late work will be accepted up to five (5) days after the due date with a penalty of one full letter grade.

Research Paper:

Students will write a five page (minimum) research paper on the assigned subject. No work may be submitted for two courses without explicit approval of both instructors. (See UAF Honor Code) A list of sources cited must be included for all reference material used.

UAF Honor Code:

The public holds emergency services personnel accountable to the highest standards of ethics. The
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Text Book/Resources:

16 Firefighter Life Safety Initiatives (www.everyonegoeshome.com)

<http://www.firefighterclosecalls.com/home.php>

Assignment: Read Chapter 8 in the text (pg161-188). Respond to BLOG Question #2.

Class 4

Lecture: The National Context, Health and Safety Continued

- A. NFPA, OSHA
- B. Medical and fitness standards
- C. Discussion: BLOG Question #2.

Assignment: Read Chapter 7 of the text (pg. 123-160). Respond to BLOG Question #3.

Class 5

Lecture: Training, certification and credentialing

- A. Training standards, safety issues and improvements
- B. Certification and credentialing
- C. Discussion: BLOG Question #3.

Assignment: Read Chapter 10 of the text (pg. 209-254). Research topics for your research paper-be prepared to present your research project topic to your instructor next class.

Class 6

Lecture: Apparatus, Equipment and Appropriate Response

- A. Apparatus and equipment
- B. Emergency response – response to emergency scenes

Assignment: Read Chapter 9 of the text (pg. 189-208).

Class 7

Lecture: Current and emerging technologies and subsequent changes

- A. Current technologies
- B. Emerging technologies
- C. Special Requirements
- D. Subsequent changes

Assignment: Respond to Blog Question #4. Research and write a page paper regarding technology. Read Chapter 5 of the text (pg. 77-90). Upon receiving instructor approval for your research paper topic, begin this assignment and be prepared to submit this assignment class 10.

Class 8

Lecture: Organizational Health and Safety

- A. Personal and organizational accountability
- B. Present condition/culture
- C. Investigations - internal
- D. Analyzing your profile
- E. Utilizing grants to meet needs

Guest Speaker: Presumptive legislation.

Assignment: Watch Mark Noble Video. Write 500 word response outlining your thoughts on cancer research, changing emergency services culture or presumptive legislation. Read Chapter 6 of the text (pg. 91-122).

Class 9

Lecture: Risk Management

- A. Risk management concepts and practices
- B. Unsafe acts
- C. Empowerment definition
- D. Discussion: BLOG Question #4.

Assignment: Respond to Blog Question #5. ~~Remember to read the book (1416-4e8-111H-200y-766095#2(a)P(1)11~~
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Class 14

Lecture: Course Wrap-Up

A. The Severity

B. The Impact

C. The Potential

D. Class Review/Evaluation/Suggestions

Final Examination

Instructor:

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