### COURSE SYLLABUS

**Occupational Safety & Health for Fire**  
**FST 109**  
[Semester]  
CRN  
3 Credits

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<th>Instructor Name:</th>
<th>Instructor Email:</th>
<th>Instructor Phone:</th>
<th>Office Hours:</th>
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### Class Meeting Dates/Location/Time:

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### Add/Drop Dates/Withdraw Dates

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[Other necessary information for students dropping or withdrawing from class]

### Co and Pre Requisites

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Course Description

Introduces the basic concepts of occupational health and safety as it relates to emergency service organizations. Topics include risk evaluation and control procedures for fire stations, training sites, emergency vehicles, and emergency situations involving fire, EMS, hazardous materials, and technical rescue. This course introduces the basic principles and history related to the national firefighter life safety initiatives, focusing on the need for cultural and behavioral change throughout emergency services.

Course Competencies

1. Identify and explain the 16 life safety initiatives.
2. Demonstrate an understanding of the concepts of risk management and mitigation as it pertains to emergency services.
3. Define and describe the need for cultural and behavioral change within the emergency services relating to safety, incorporating leadership, supervision, accountability and personal responsibility.
4. Explain the need for enhancements of personal and organizational accountability for healthy and safety.
5. Describe and evaluate circumstances that might constitute an unsafe act.
6. Explain the concept of empowering all emergency services personnel to stop unsafe acts.
7. Validate the need for national training standards as they correlate to professional development inclusive of qualifications, certifications and re-certifications.
8. Describe the history of health and safety programs.
9. Identify occupational health safety programs in industry today.
10. Identify federal regulations and national standards that impact on health and safety programs.
11. Identify the concepts of risk identification and risk evaluation.
12. Describe the components of an effective response safety plan.
13. Describe the components of the pre-incident planning process.
14. Define the value of personal protective equipment.
15. Describe the components of accountability system in emergency operations.
16. Describe the relationship of incident management as it related to health and safety.
17. Explain the need for and the process used for post-incident analysis, lessons learned and investigation.
18. Describe the components and value of critical incident management programs.
19. Describe the components of a wellness/fitness plan.
20. Describe how obtaining grants can support safety and survival initiatives.
Topical Outline

A. History of Occupational Safety and Health in Industry
   i. History of Occupational Safety and Health in Emergency Service Organizations
   ii. History of Fire Service Culture
   iii. Organizational Culture
   iv. Individual Role in Culture/Behavior
   v. History of Line of Duty Deaths
   vi. Defining the Nature of the Problem
   vii. Identification of Safety Problems
   viii. Review of National Injury Statistics
   ix. National, State, and Private Organizations Involved with Occupational Safety and Health

B. Safety Regulations and Standards
   i. Regulations vs. Standards
   ii. Federal Regulations Pertaining to Occupational Safety and Health
   iii. NFPA Standards Pertaining to Occupational Safety and Health

C. Risk Management
   i. Risk Evaluation
   ii. Risk Control

D. Safety Program Development and Management
   i. Essential Elements
   ii. Setting Goals and Objectives
   iii. Cost Benefit Analysis
   iv. Training
   v. Developing Standard Operating Procedures
   vi. Collecting Data
   vii. Publishing Health and Safety Information
   viii. Evaluating the Results

E. Employee Fitness/Wellness Programs
   i. Hazards Faced
   ii. Organizational Development
   iii. Employee Acceptance
   iv. Medical Examinations
   v. Physical Fitness

F. Pre-incident Safety
   i. Hazards Faced
   ii. Station Safety
   iii. Apparatus Safety
   iv. Response Safety
   v. Pre-incident Planning
G. Safety at Fire Emergencies
   i. Hazards Faced
   ii. Incident Priorities and Safety
   iii. Incident Management Systems
   iv. Accountability
   v. Rapid Intervention
   vi. Rehabilitation
H. Safety at EMS Emergencies
   i. Hazards Faced
   ii. Infection Control
   iii. Personal Protective Equipment
   iv. Incident Management Systems
   v. Scene Safety
I. Safety at Specialized Incidents
   i. Hazards Faced
   ii. Safety at Hazards Materials Incidents
   iii. Safety at Technical Rescue Incidents
   iv. Safety at Terrorism Incidents
   v. Safety at National Disasters
J. Post-incident Safety Management
   i. Incident Termination
   ii. Post-Incident Analysis
   iii. Critical Incident Stress Management
II. XI Personal roles
   A. Individuals
   B. Supervisors
   C. Managers
   D. Incident Commanders
   E. Safety Officers
   F. Safety Program Managers
   G. Safety Committees
   H. Making It Happen
      i. Determining, Measuring, and Showcasing the Benefits
      ii. Selling Management
      iii. Selling Employees
   I. Negligence
   J. Judicial System
      i. The Court System
      ii. U.S. Supreme Court
      iii. Special Courts
      iv. Local Courts
      v. Penalties
Required Reading Materials and Supplies

[Course/Instructor Specific]

Technology Requirements

This course requires some online participation via Online Aims (Desire 2 Learn). Availability to a computer with internet access is required to obtain course information, complete assignments, and communicate via your college email account. You will need to allow time for technical malfunctions in order to meet required due dates. If you are having problems with Aims Online, please contact the helpdesk at 970-339-6380.

You will be required to utilize the online material provided by your textbook publisher for some assignments.

Computers are available on campus for student use. Please consult with your instructor if you have questions.

Attendance Requirements

[Course/Instructor Specific]
Grading Criteria

[Course/Instructor Specific]

Other Course Requirements/Expectations

[Instructor Specific]

Class Schedule

[Semester Specific]

Reading Requirements

[Instructor Specific]

Due Dates

[Instructor Specific]

Course Evaluations:

Course Evaluations provide valuable feedback to Instructors. Students are encouraged to complete the online course evaluation survey during the last two weeks of the course. Other short course evaluations will be available at various times, depending on the course start and end times. Students will receive an email message directing them to a website where they can login using their Aims ID and complete evaluations. Course evaluations are confidential.

Standard Syllabus Policies

The standard syllabus academic policies are located at the following website: http://www.aims.edu/inside/policies/standard-syllabus/