FST 120 – OCCUPATIONAL SAFETY AND HEALTH FOR THE FIRE SERVICE (3 CR.)

Course Description

Introduces the basic concepts of occupational health and safety as it relates to emergency service organizations. Includes risk evaluation and control procedures for fire stations, training sites, emergency vehicles, and emergency situations involving fire, EMS, hazardous materials, and technical rescue. (Upon completion of this course, students should be able to establish and manage a safety program in an emergency service organization. Lecture 3 hours per week.

General Course Purpose

Prerequisites/Corequisites

Prerequisite: FST 100

Course Objectives

Upon completion of this course, a successful student will be able to:

- Describe the history of health and safety programs
- Identify occupational health safety programs in industry today
- Identify occupational health and safety programs for the emergency services
- Describe the distinction between standards and regulations
- Identify federal regulations that impact on health and safety programs
- Identify the standards that impact on occupational health and safety
- Identify the concepts of risk identification and risk evaluation
- Describe the considerations for safety in fire stations and emergency response vehicles
- Describe the components of an effective response safety plan
- Describe the components of the pre-incident planning process
- Describe the considerations for safety while training
- Define the value of personal protective equipment
- Describe the components of accountability system in emergency operations
- Define incident priorities and how they relate to health and safety
- Describe the relationship of incident management as it relates to health and safety
- Describe the methods of controlling hazards associated with responding to EMS, hazmat, and technical rescue incidents
- Explain the need for and the process used for post-incident analysis
- Describe the components and value of critical incident management programs
- Describe the responsibilities of individual responders, supervisors, safety officers, and incident commanders, safety program managers, safety committees and fire department managers as they relate to health and safety programs
- Describe the components of a wellness/fitness plan
- Identify and analyze the major causes involved in line of duty firefighter deaths related to health, wellness, fitness and vehicle operations

Major Topics to be Included

- Safety-related regulations and standards
- Risk management
- Safety program development and management
- Employee fitness and wellness programs
- Pre-incident safety
- Safety at Fire emergencies
- Safety at EMS emergencies
- Safety at specialized incidents
• Post incident safety management
• Personnel roles
• Legal Issues