

Fire and Emergency Services	Scope and Sequence
Unit Lesson	Objectives
MODERN EMERGENCY AND FIRE MANAGEMENT SERVICES	
People in Emergency and Fire Management Systems	
	Summarize the hierarchy of an emergency and fire management system.
	List the educational and work experience requirements for entry-level positions in emergency medical or fire systems.
	Evaluate and describe the ethical challenges and responsibilities involving a career in emergency services.
Roles, Duties, and Responsibilities	
	Define the roles of at least four members of an emergency management organization.
	Predict the pathway of authority between the various levels within an emergency and fire service organization when orders are given.
Project: Recruitment Brochure or Advertisement	
Problem Solving within the Ranks	
	Discuss the steps of the problem-solving process and how they apply to fire and medical emergency management.
	Predict the pathway of authority among the various levels within an emergency and fire service organization when orders are given.
	List at least four purposes for establishing a chain of command in an emergency management organization or emergency scene.
Project: Near-Miss Analyses	
Education for a Future Emergency Management Employee	
	Summarize the education requirements to become an entry-level EMT, firefighter, or paramedic.
	Discuss the importance of certification and licensure for firefighters and emergency medical personnel.

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Outline at least three local or state laws, statutes, or ordinances that govern emergency management organization education and certification requirements.

Project: Local Education Requirements for Entry-Level EMT, Firefighter and Paramedic Positions

Employment Standards and Requirements

summarize the requirements for employment as a firefighter, EMT, or paramedic

describe the five personal characteristics (ethical, physical, mental) that members of this career should possess, based on the government's minimum standards

compare the requirements for emergency and fire management employment with those of at least two other public-service careers

Conveying Information in Fire Management

Explain the components of the communication process.

Identify communication skills necessary in emergency and fire management services.

Demonstrate why communication skills are a crucial component of an emergency and fire management system.

Diagram the flow of a policy update (verbal and written reports), from the chief's office out to the members of the organization.

Project: Written Situational Report

Test

TOOLS OF THE TRADE

Types of Modern Emergency Vehicles

Name five common apparatuses utilized in emergency and fire management.

Identify common geographical areas where fire apparatuses are located.

Explain the combinations of personnel and purposes for common fire apparatuses.

Identify key differences in common apparatuses in fire management.

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	Project: Local Fire or EMS Station Apparatus	Differentiate between an ALS and BLS emergency medical unit.
	Functions of Modern Emergency Vehicles	Identify the primary role and function of each fire apparatus. Compare and contrast an engine company with a ladder or truck company. Identify the personnel on each apparatus. Predict which apparatus is most appropriate for five different emergency situations.
	Equipment on Modern Emergency Vehicles	Identify the basic equipment frequently carried on a specific piece of apparatus. Differentiate the types of equipment in a BLS or ALS unit. Explain the purposes of common firefighting equipment and tools. Given a scenario, predict which piece of equipment is most appropriate.
	Project: Equipment Historical Analysis	
	Specialized Fire Apparatus	Compare and contrast the differences between a standard fire truck, an ambulance, and a ladder truck to that of an airport-rescue vehicle. Name four types of specialized emergency apparatuses. Identify equipment carried on specialized apparatuses. Categorize fire department special-operations units by their purposes and equipment. Describe how special apparatuses would handle large-scale casualties.
	Project: Special-Operations Apparatus	
	Specialized Fire Apparatus Functions	Identify target hazards in the local area.

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Explain how target hazards need to be identified and considered in emergency-response plans.

Identify the unique functions of special-operations firefighting and emergency-medical operations.

Given a specific emergency scenario, determine the appropriate special-operations apparatus.

Specialty Apparatus Applications

Determine the appropriate locations for prepared special operations and their apparatuses.

Identify agencies that serve to protect the safety of citizens and firefighters in airports and industries.

Explain policies that regulate the number of apparatuses available and protection provided by employers for an emergency; and

Given a specific hazardous industry, predict what regulations and apparatuses would be required for emergency protection in specialized locations.

Project: Potential Hazardous Business Investigation

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EMERGENCY AND FIRE MANAGEMENT SKILLS IN ACTION

Mission Possible: Emergency Scene Priorities

Name and describe the three main goals of a fire department at the scene of an emergency.

Identify the steps in a command sequence.

Determine the required results of the steps in the command sequence.

Apply the steps in the command sequence to an emergency scenario.

Discuss the three phases of a size-up at an emergency scenario.

Anatomy of an Action Plan

Predict who creates an action plan at an emergency setting.

List the components of an action plan.

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		Assess factors that are considered when creating an action plan.
		Compare the methods used to implement an action plan.
		Given an emergency scenario, create the basic outline of an appropriate action plan.
	Project: Action Plan Chart	
	Strategies and Tactics at the Scene	
		Contrast the difference between a strategy and a tactic by citing two examples.
		Explain the phases of a firefighting strategy including RECEO-VS and REVAS.
		Categorize strategic concepts based on their requirements and purposes.
		Analyze a scenario to determine the most appropriate strategic concept for the situation.
	Project: Strategies and Tactics Analysis	
	Apparatus and Crews: The Worker Bees	
		Identify common apparatuses and crew specialization.
		Compare the tools assigned to crew members on a ladder truck and a fire engine.
		List the technical abilities that a crew member on an apparatus must possess in order to fulfill a mission.
		Defend why assigning a crew member trained in forcible entry to a ladder truck would be a logical choice.
		Explain the functions of a company based on the sequence of arrival.
	The History of Fire Apparatus and Firefighting	
		Discuss the historical events that led to the creation of fire companies in the United States.
		Describe the equipment utilized by firefighters through the history of the United States.
		Explain how modern advances allow firefighters to achieve far more than their colonial counterparts.
		Compare how fire apparatuses and firefighting methods have evolved in the United States.

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	Project: Fire Apparatus History Research	
	Which Apparatus for the Task at Hand?	
		Recall how incident commanders assign appropriate apparatus to the necessary tasks
		Predict whether an apparatus will be assigned a task or sent to staging area
	Project: Fire Apparatus Assignments	
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ORGANIZING AND MANAGING AN EMERGENCY AND FIRE MANAGEMENT SYSTEM		
	Emergency Management, Now and Then	
		Compare and contrast the roles of past emergency-management systems with those of modern systems.
		List five areas of diversification that typical emergency-management agencies perform.
		Discuss education and training needed for the diverse emergency-management roles.
		Identify the types of emergency services available locally.
	Project: Local Emergency Services, an Interview	
	The Changing Demands and Expectations of the Community	
		Describe factors that lead to demographic shifts in a given area.
		Illustrate the methods used to determine when fire-station numbers may need to be changed.
		Predict how a population shift away from a big city into an outlying town, or vice versa, would alter the demands placed on an emergency organization.
		Explain how the decisions made by the chief of emergency services affect the community.
	Scientific Advances: The Good and the Bad	
		Identify scientific advances in society that effect emergency situations.
		Compare and contrast how an increase in scientific technology can be both helpful and

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		problematic for emergency situations.
		Describe fire safety enhancements.
		Explain industrial concerns in communities, including large-capacity transport of hazardous chemicals.
	Project: Fire Safety in the Home	
	The Winds of Change in Emergency Management Departments	
		Describe workforce diversity changes that have affected emergency-management departments.
		Discuss challenges and benefits associated with these workforce diversity changes.
		Compare and contrast the traditional fire service with the modern diversified service.
		Explain legislation that reflects diversification.
	Project: Demographics in Community and Fire Department	
	Department Mission: Doing More with Less	
		Identify the factors that fire departments must consider with respect to department morale.
		Analyze the methods the departments use to maintain and boost morale among the ranks.
		Defend why an emergency-management agency would institute the customer-service model into its operations.
		Identify programs that reflect an emergency agency's customer-service program.
		Explain what the phrase "do more with less" means, and describe three changes an agency would make in order to fulfill this mandate.
	Project: Customer-Service Programs in Local Communities	
	People Who Influence How an Emergency Agency Operates	

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Describe two ways that a local government would impact the operations of an emergency agency.

Define what is meant by the term "labor management."

Explore the concept of "bargaining" by organized labor in the operation of an emergency agency.

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ADVANCED SITUATIONS FOR EMERGENCY AND FIRE OPERATIONS

Anatomy of a Disaster

Explain the terms "disaster" and "catastrophe" as they apply to emergency response.

Describe different types of disasters and their trends and consequences on communities.

Outline the disaster cycle of preparedness, response, reconstruction, and mitigation.

Establish the factors from a hazard that influence risks to a population and steps which can minimize these risks.

Create a chart that names five recent natural disasters and describe the challenges.

Project: Natural Disaster Chart

Disaster Response and Planning

Explain common complications encountered by responders during a disaster.

Predict the methods responders would use to address these complications.

List the various levels and components of a disaster-management plan.

Provide examples of what a mutual aid agreement would provide an emergency-management agency, and explain how this would assist incident mitigation.

Managing the Resources: NIMS / ICS

Explain the National Incident Management System (NIMS) and how it is used in emergency incidents.

Describe the five key elements of NIMS and how they work together.

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		Summarize the ICS and its role in disaster management.
		Explain how the components of ICS would assist in large-scale incident management.
	Project: NIMS Command Chart	
	Demographics and the Risks of Mass Transit	
		List three ways that demographic changes can affect local emergency agencies.
		Describe ways new technology has made the transport of products safer.
		Compare an MCI to a common emergency situation, and describe the differences.
		Identify ways to prepare for an MCI
	Transportation Modes and Emergencies	
		Identify federal agencies that regulate modes of transportation in the United States.
		Compare and contrast methods of transportation used to ship bulk freight.
		Explain issues that could lead to an MCI in common methods of mass transportation.
		Describe approaches that agencies use to regulate mass-transit safety.
		Create a chart showing four modes of cargo transport and the potential emergency situations they may present.
	Project: Transportation Emergencies Chart	
	Mitigating the Transportation Emergency Situation	
		Describe the DOT-ERG and its purpose.
		Defend why the DOT-ERG is a valuable resource to responders.
		Give two examples of when an ERG would be utilized.
		Explain how fire departments use mock drills and training exercises to prepare for hazmat incidents.
	Project: Hazardous Materials Research	

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COURSE PROJECT, REVIEW, AND EXAM

Review

Exam