



Western Technical College

10503191 Principles of Emergency Services

Course Outcome Summary

Course Information

Description	Provides an overview to fire protection; career opportunities in fire protection and related fields; philosophy and history of fire protection/service; fire loss analysis; organization and function of public and private fire protection services; fire departments as part of local government; laws and regulations affecting the fire service; and fire service nomenclature.
Career Cluster	Law, Public Safety, Corrections and Security
Instructional Level	Associate Degree Courses
Total Credits	2
Total Hours	36

Pre/Corequisites

Prerequisite None

Textbooks

Fire and Emergency Services Orientation and Terminology. 6th Edition. Copyright 2015. International Fire Service Training Organization. Publisher: Fire Protection Publications. **ISBN-13:** 978-0-87939-592-6. Required.

Learner Supplies

Polo shirt with logo, black pants, black ankle supporting shoes/boots. **Vendor:** To be discussed in class. Required.

Success Abilities

1. Cultivate Passion: Enhance Personal Connections
2. Cultivate Passion: Expand a Growth-Mindset
3. Cultivate Passion: Increase Self-Awareness
4. Refine Professionalism: Act Ethically
5. Refine Professionalism: Improve Critical Thinking
6. Refine Professionalism: Practice Effective Communication

Course Competencies

1. Explain the history and culture of the fire service.

Assessment Strategies

- 1.1. Written Objective Test

Criteria

- 1.1. Score 70%
- 1.2. Complete exam within 90 minutes
- 1.3. Complete exam without using any reference books or notes.
- 1.4. Complete exam at prescribed time and place.

Learning Objectives

- 1.a. Appreciate the significance of Firefighting history and its relationship to present day methods.
- 1.b. Articulate the problem of fire in America both historically and as it relates to present day.
- 1.c. Describe early fire equipment, protective equipment and facilities.
- 1.d. Discuss the changing role of the modern firefighter.

2. Analyze the basic components of fire as a chemical chain reaction, the major phases of fire

Assessment Strategies

- 2.1. Written Objective Test

Criteria

- 2.1. Score a minimum of 70%
- 2.2. Complete exam within 90 minutes
- 2.3. Complete exam without using any reference books or notes.
- 2.4. Complete exam at prescribed time and place.

Learning Objectives

- 2.a. Describe the three forms of matter.
- 2.b. Explain how the process of combustion affects the different forms of matter.
- 2.c. Identify the different types of heat producing energy.
- 2.d. Give examples of fuel in each of the five classes of fire.
- 2.e. Describe the four stages of fire evolution.

3. Compare fire service training and education

Assessment Strategies

- 3.1. Written Objective Test
- 3.2. Presentation

Criteria

- 3.1. Score a minimum of 70%
- 3.2. Complete exam within 90 minutes
- 3.3. Complete exam without using any reference books or notes.
- 3.4. Complete exam at prescribed time and place.
- 3.5. Presentation covers all required areas
- 3.6. Presentation is at least 8 minutes long
- 3.7. Presentation is presented professionally
- 3.8. Presentation uses multiple mediums. i.e. photos, graphics, videos, handouts etc.

Learning Objectives

- 3.a. Discuss National Fire Protection Association standards geared toward training.
- 3.b. Explain the difference between training and higher education.
- 3.c. Describe the various types of certification and degree programs available
- 3.d. Explain FESHE's professional development model.

4. Describe the major organizations that provide emergency response service and how they interrelate.

Assessment Strategies

- 4.1. Written Objective Test
- 4.2. Presentation

Criteria

- 4.1. Score a minimum of 70%
- 4.2. Complete exam within 90 minutes
- 4.3. Complete exam without using any reference books or notes.
- 4.4. Complete exam at prescribed time and place.
- 4.5. Presentation covers all required areas
- 4.6. Presentation is presented professionally
- 4.7. Presentation is at least 8 minutes long
- 4.8. Presentation uses multiple mediums. i.e. photos, graphics, videos, handouts etc.

Learning Objectives

- 4.a. Describe the evolution of EMS
- 4.b. Identify the four areas of responsibility of emergency management.
- 4.c. List the types of fire departments found in the US.

5. Identify fire protection and emergency-service careers in both the public and private sector.

Assessment Strategies

- 5.1. Written Objective Test
- 5.2. Presentation

Criteria

- 5.1. Score a minimum of 70%
- 5.2. Complete exam within 90 minutes
- 5.3. Complete exam without using any reference books or notes.
- 5.4. Presentation covers all required areas
- 5.5. Presentation is at least 8 minutes long
- 5.6. Presentation is presented professionally
- 5.7. Complete exam at prescribed time and place.
- 5.8. Presentation uses multiple mediums. i.e. photos, graphics, videos, handouts etc.

Learning Objectives

- 5.a. Identify fire protection jobs in the public and private fire service.
- 5.b. List duties and requirements for the positions of firefighter trainee and firefighter.
- 5.c. List duties and requirements for the positions of firefighter/paramedic
- 5.d. List duties and requirements for the positions of search and rescue teams.
- 5.e. List duties and requirements for the positions of the wildland firefighter.
- 5.f. Give examples of fire service jobs other than firefighter.

6. Define the role of national, State and local support organizations in fire and emergency services.

Assessment Strategies

- 6.1. Written Objective Test
- 6.2. Presentation

Criteria

- 6.1. Score a minimum of 70%.
- 6.2. Complete exam within 90 minutes.
- 6.3. Complete exam without using any reference books or notes.
- 6.4. Complete exam at prescribed time and place.

- 6.5. Presentation covers all required areas
- 6.6. Presentation is at least 8 minutes long
- 6.7. Presentation is presented professionally.
- 6.8. Presentation uses multiple mediums. i.e. photos, graphics, videos, handouts etc.

Learning Objectives

- 6.a. Describe the evolution of EMS.
- 6.b. Describe the level of care provided by EMS.
- 6.c. Define Emergency Management.
- 6.d. Identify the four areas of responsibility of Emergency Management.
- 6.e. Explain the function of the Local Emergency Planning Committee (LEPC).

7. Describe the scope, purpose, and organizational structure of fire and emergency services.

Assessment Strategies

- 7.1. Written Objective Test
- 7.2. Presentation

Criteria

- 7.1. Score a minimum of 70%.
- 7.2. Complete exam within 90 minutes.
- 7.3. Complete exam without using any reference books or notes.
- 7.4. Complete exam at prescribed time and place.
- 7.5. Presentation covers all required areas.
- 7.6. Presentation is at least 8 minutes long.
- 7.7. Presentation is presented professionally.
- 7.8. Presentation uses multiple mediums. i.e. photos, graphics, videos, handouts etc.

Learning Objectives

- 7.a. Describe the principles of command used in fire and emergency services.
- 7.b. describe a fire department's chain of command.
- 7.c. Identify the different ranks and their general responsibilities.

8. Describe the common types of fire and emergency service facilities, equipment, and apparatus.

Assessment Strategies

- 8.1. Written Objective Test
- 8.2. Presentation

Criteria

- 8.1. Score a minimum of 70%.
- 8.2. Complete exam within 90 minutes.
- 8.3. Complete exam without using any reference books or notes.
- 8.4. Complete exam at prescribed time and place.
- 8.5. Presentation covers all required areas.
- 8.6. Presentation is at least 8 minutes long.
- 8.7. Presentation is presented professionally.
- 8.8. Presentation uses multiple mediums. i.e. photos, graphics, videos, handouts etc.

Learning Objectives

- 8.a. Describe the various types of fire department facilities.
- 8.b. Identify and describe the uses of pumping apparatus.
- 8.c. Explain the functions and operations of various aerial apparatus.
- 8.d. Explain how specialized fire apparatus are utilized.
- 8.e. Describe different levels of and types of PPE.
- 8.f. Explain why SCBA and PASS devices are important to firefighter safety.

9. Compare effective management concepts for various emergency situations.

Assessment Strategies

- 9.1. Written Objective Test
- 9.2. Presentation

Criteria

- 9.1. Score a minimum of 70%.

- 9.2. Complete exam within 90 minutes.
- 9.3. Complete exam without using any reference books or notes.
- 9.4. Complete exam at prescribed time and place.
- 9.5. Presentation covers all required areas.
- 9.6. Presentation is at least 8 minutes long.
- 9.7. Presentation is presented professionally.
- 9.8. Presentation uses multiple mediums. i.e. photos, graphics, videos, handouts etc.

Learning Objectives

- 9.a. Explain the history of the incident command system.
- 9.b. Describe the differences among the FIREScope, FGC, IMS, NIIMS, and NIMS ICS structures.
- 9.c. Identify the components of the incident command structure.
- 9.d. Describe the areas of responsibility of the ICS component.
- 9.e. Explain why a national incident management system is needed.

10. Identify the primary responsibilities of fire prevention personnel including, code enforcement, public information, and public and private protection systems.

Assessment Strategies

- 10.1. Written Objective Test
- 10.2. Presentation

Criteria

- 10.1. Score a minimum of 70%.
- 10.2. Complete exam within 90 minutes.
- 10.3. Complete exam without using any reference books or notes.
- 10.4. Complete exam at prescribed time and place.
- 10.5. Presentation covers all required areas.
- 10.6. Presentation is at least 8 minutes long.
- 10.7. Presentation is presented professionally.
- 10.8. Presentation uses multiple mediums. i.e. photos, graphics, videos, handouts etc.

Learning Objectives

- 10.a. Discuss the duties of a fire prevention office.
- 10.b. explain the importance of inspections, public education, investigation and plans reviews have to the fire service.
- 10.c. Describe the difference between fire and building codes.
- 10.d. Identify the different model code organizations.
- 10.e. Identify the types of codes and explain how fire codes are adopted.
- 10.f. Explain the legal right that a fire official has to issue warrants, summonses, citations and injunctions.

11. Recognize the components of career preparation and goal setting.

Assessment Strategies

- 11.1. Written Objective Test
- 11.2. Presentation

Criteria

- 11.1. Score a minimum of 70%.
- 11.2. Complete exam within 90 minutes.
- 11.3. Complete exam without using any reference books or notes.
- 11.4. Complete exam at prescribed time and place.
- 11.5. Presentation covers all required areas.
- 11.6. Presentation is at least 8 minutes long.
- 11.7. Presentation is presented professionally.
- 11.8. Presentation uses multiple mediums. i.e. photos, graphics, videos, handouts etc.

Learning Objectives

- 11.a. List the standard phases of the hiring process.
- 11.b. Describe the importance of preparation in the selection process.
- 11.c. Give examples of body gestures that can be interpreted in an interview.
- 11.d. Explain the purpose and importance of the probationary period.

12. Describe the importance of wellness and fitness as it relates to emergency services.

Assessment Strategies

- 12.1. Written Objective Test
- 12.2. Presentation

Criteria

- 12.1. Score a minimum of 70%.
- 12.2. Complete exam within 90 minutes.
- 12.3. Complete exam without using any reference books or notes.
- 12.4. Complete exam at prescribed time and place.
- 12.5. Presentation covers all required areas.
- 12.6. Presentation is at least 8 minutes long.
- 12.7. Presentation is presented professionally.
- 12.8. Presentation uses multiple mediums. i.e. photos, graphics, videos, handouts etc.

Learning Objectives

- 12.a. Discuss NFPA physical fitness standards.
- 12.b. Explain the relationship between fitness and line of duty injuries and death.
- 12.c. Describe how fitness effects job performance.
- 12.d. Discuss the challenge of physical fitness for department leadership.