

Western Technical College

10503156 Strategies, Tactics, and Incident Management

Course Outcome Summary

Course Information

Description	Provides an in-depth analysis of the principles of emergency response through utilization of an incident management system. Prepares students to pursue current national Incident Command System (ICS) training requirements.
Career Cluster	Law, Public Safety, Corrections and Security
Instructional Level	Associate Degree Courses
Total Credits	4.00
Total Hours	90.00

Types of Instruction

Instruction Type	Credits/Hours
Lecture	3 CR / 54 HR
Lab	1 CR / 36 HR

Course History

Last Approval Date	8/6/2014
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Pre/Corequisites

- Prerequisite 10503110 Firefighter 2
- Prerequisite 10503142 Fire Fighting Principles
- Prerequisite 10503143 Building Construction
- Prerequisite 10503157 Fire Investigation
- Prerequisite 10503191 Principles of Emergency Services

Textbooks

Structural Fire Fighting - With Access. 3rd Edition. Copyright 2016. Klaene, Bernard "Ben" J. Publisher: Jones & Bartlett Publishers. **ISBN-13:** 978-1-4496-4239-6. Required.

Core Abilities

- 1. Apply mathematical concepts.**
Status Active
- 2. Demonstrate ability to think critically.**
Status Active
- 3. Demonstrate ability to value self and work ethically with others in a diverse population.**
Status Active
- 4. Make decisions that incorporate the importance of sustainability.**
Status Active
- 5. Transfer social and natural science theories into practical applications.**
Status Active
- 6. Use effective communication skills.**
Status Active
- 7. Use technology effectively.**
Status Active

Program Outcomes

- 1. Demonstrate professional conduct by displaying personal code of ethics, positive work ethics, flexibility, teamwork skills, physical fitness, safe procedures, and sensitivity to diverse cultures and individuals**
Type State Aligned Status Active
- 2. Perform fire prevention activities including preplanning, public education, inspection, and investigation**
Type State Aligned Status Active
- 3. Apply incident management and mitigation skills to emergency incidents**
Type State Aligned Status Active
- 4. Meet professional fire and EMS credentialing standards**
Type State Aligned Status Active
- 5. Communicate clearly and effectively both verbally and through written documentation with clients, coworkers, other agencies, and supervisors**
Type State Aligned Status Active
- 6. Apply critical thinking skills to both emergency and non-emergency situations.**
Type State Aligned Status Active

Course Competencies

- 1. Discuss fire behavior as it relates to strategies and tactics.**
Domain Cognitive Level Applying Status Active

Linked Core Abilities

Demonstrate ability to think critically.
Use technology effectively.

Linked Program Outcomes

Perform fire prevention activities including preplanning, public education, inspection, and investigation
Apply incident management and mitigation skills to emergency incidents
Apply critical thinking skills to both emergency and non-emergency situations.

Assessment Strategies

1.1. Oral Test

Criteria

- 1.1. Student participates in group questioning.
- 1.2. Student demonstrates knowledge of fire behavior.

Learning Objectives

- 1.a. Describe basic fire behavior.
- 1.b. Discuss factors that influence fire development.
- 1.c. Discuss fire behavior in compartments.

2. Explain the main components and steps needed for pre-fire planning and plan review.

Domain Cognitive Level Analyzing Status Active

Linked Core Abilities

Apply mathematical concepts.
Demonstrate ability to think critically.
Use effective communication skills.
Use technology effectively.

Linked Program Outcomes

Demonstrate professional conduct by displaying personal code of ethics, positive work ethics, flexibility, teamwork skills, physical fitness, safe procedures, and sensitivity to diverse cultures and individuals
Perform fire prevention activities including preplanning, public education, inspection, and investigation
Apply incident management and mitigation skills to emergency incidents
Apply critical thinking skills to both emergency and non-emergency situations.

Assessment Strategies

2.1. Written Product

Criteria

- 2.1. Student completes pre-incident plan on assigned building.
- 2.2. Incident plan is completed within time frame.
- 2.3. Incident plan contains all required information.

Learning Objectives

- 2.a. Discuss the relationship between standard operating procedures, pre-incident planning and size-up.
- 2.b. Articulate the main components of pre-fire planning.
- 2.c. Identify steps taken during a pre-fire plan review.
- 2.d. Gather pre-incident plan data.

3. Identify the basics of building construction and how they interrelate to pre-fire planning and strategy and tactics.

Domain Cognitive Level Analyzing Status Active

Linked Core Abilities

Apply mathematical concepts.
Demonstrate ability to think critically.
Make decisions that incorporate the importance of sustainability.
Transfer social and natural science theories into practical applications.
Use effective communication skills.
Use technology effectively.

Linked Program Outcomes

Perform fire prevention activities including preplanning, public education, inspection, and investigation
Apply incident management and mitigation skills to emergency incidents
Apply critical thinking skills to both emergency and non-emergency situations.

Assessment Strategies

3.1. Written Product

Criteria

- 3.1. Student completes pre-incident plan on assigned building.
- 3.2. Incident plan is completed within time frame.
- 3.3. Incident plan contains all required information.

Learning Objectives

- 3.a. Explain building construction as it relates to strategy and tactics.
- 3.b. Identify each of the building construction classifications.
- 3.c. Discuss occupancy types.
- 3.d. Discuss building components.

4. Describe the steps taken during size-up.

<i>Domain</i>	<i>Cognitive</i>	<i>Level</i>	<i>Understanding</i>	<i>Status</i>	<i>Active</i>

Linked Core Abilities

- Apply mathematical concepts.
- Demonstrate ability to think critically.
- Demonstrate ability to value self and work ethically with others in a diverse population.
- Make decisions that incorporate the importance of sustainability.
- Transfer social and natural science theories into practical applications.
- Use effective communication skills.
- Use technology effectively.

Linked Program Outcomes

- Demonstrate professional conduct by displaying personal code of ethics, positive work ethics, flexibility, teamwork skills, physical fitness, safe procedures, and sensitivity to diverse cultures and individuals
- Perform fire prevention activities including preplanning, public education, inspection, and investigation
- Apply incident management and mitigation skills to emergency incidents
- Apply critical thinking skills to both emergency and non-emergency situations.

Assessment Strategies

4.1. Demonstration

Criteria

- 4.1. Student participates in size-up exercise.
- 4.2. Student performs size-up on given scenarios.
- 4.3. Student identifies all required information.
- 4.4. Students size-up is communicated successfully via radio communication.
- 4.5. Students radio communication meets NIMS requirements.

Learning Objectives

- 4.a. Discuss the application of size up theory.
- 4.b. Identify incident size up considerations.
- 4.c. Identify critical fire ground size up factors.

5. Examine the significance of fire ground communications.

<i>Domain</i>	<i>Cognitive</i>	<i>Level</i>	<i>Analyzing</i>	<i>Status</i>	<i>Active</i>

Linked Core Abilities

- Demonstrate ability to think critically.
- Demonstrate ability to value self and work ethically with others in a diverse population.
- Transfer social and natural science theories into practical applications.
- Use effective communication skills.
- Use technology effectively.

Linked Program Outcomes

- Perform fire prevention activities including preplanning, public education, inspection, and investigation
- Apply incident management and mitigation skills to emergency incidents
- Apply critical thinking skills to both emergency and non-emergency situations.

Assessment Strategies

5.1. Demonstration

Criteria

- 5.1. Student participates in size-up exercise.
- 5.2. Student performs size-up on given scenarios.
- 5.3. Student identifies all required information.
- 5.4. Students size-up is communicated successfully via radio communication.
- 5.5. Students radio communication meets NIMS requirements.

Learning Objectives

- 5.a. Discuss ways to communicate on the fireground.
- 5.b. give examples of acceptable communications.
- 5.c. Explain what information is valuable to be communicated during size up.

6. Identify the roles of the National Incident Management System (NIMS) and Incident Management System (ICS) as it relates to strategy and tactics.

Domain Cognitive Level Analyzing Status Active

Linked Core Abilities

Apply mathematical concepts.
Demonstrate ability to think critically.
Demonstrate ability to value self and work ethically with others in a diverse population.
Transfer social and natural science theories into practical applications.
Use effective communication skills.

Linked Program Outcomes

Apply incident management and mitigation skills to emergency incidents
Meet professional fire and EMS credentialing standards
Apply critical thinking skills to both emergency and non-emergency situations.

Assessment Strategies

6.1. Drawing/Illustration

Criteria

- 6.1. Student prepares ICS flow chart for given scenario.
- 6.2. Student identifies all applicable positions.
- 6.3. Student discusses why each position was utilized or not utilized.
- 6.4. Student answers any questions on their flow chart.

Learning Objectives

- 6.a. Discuss the characteristics of NIMS.
- 6.b. Understand how NIMS is organized during various types of emergencies.
- 6.c. Discuss the difference between fireground management and administrative management.
- 6.d. Define unified, combined and single command.

7. Demonstrate the various roles and responsibilities in ICS/NIMS.

Domain Cognitive Level Applying Status Active

Linked Core Abilities

Demonstrate ability to think critically.
Demonstrate ability to value self and work ethically with others in a diverse population.
Transfer social and natural science theories into practical applications.
Use effective communication skills.

Linked Program Outcomes

Demonstrate professional conduct by displaying personal code of ethics, positive work ethics, flexibility, teamwork skills, physical fitness, safe procedures, and sensitivity to diverse cultures and individuals
Perform fire prevention activities including preplanning, public education, inspection, and investigation
Apply incident management and mitigation skills to emergency incidents
Meet professional fire and EMS credentialing standards
Apply critical thinking skills to both emergency and non-emergency situations.

Assessment Strategies

7.1. Drawing/Illustration

Criteria

- 7.1. Student prepares ICS flow chart for given scenario.
- 7.2. Student identifies all applicable positions.
- 7.3. Student discusses why each position was utilized or not utilized.
- 7.4. Student answers any questions on their flow chart.

Learning Objectives

- 7.a. Identify proper command modes for various incidents.
- 7.b. Discuss span of control.
- 7.c. Define common roles within the ICS/NIMS.
- 7.d. Explain unity of command.