

SFS 275 : CAPSTONE: TACTICS & STRATEGIES

Transcript title

Capstone: Tactics Strategies

Credits

3

Grade mode

Standard letter grades

Contact hours total

50

Lecture hours

10

Other hours

40

Prerequisites

[SFS 101](#); [SFS 102](#); [SFS 110](#); [SFS 105](#); and [SFS 120](#).

Prerequisites with concurrency

[SFS 232](#).

Description

Provides a capstone experience to the Structural Fire AAS program with an in-depth analysis of the principles of fire control through the utilization of personnel, equipment, and extinguishing agents on the fire ground. Taken in the final term prior to program completion.

Learning outcomes

1. Discuss fire behavior as it relates to strategies and tactics
2. Explain the main components of pre-fire planning and identify steps needed for pre-fire plan review.
3. Identify the basics of building construction and how they interrelate to pre-fire planning and strategy and tactics.
4. Describe the steps taken during size-up.
5. Examine the significance of fire ground communications
6. Identify the roles of National Incident Management System (NIMS) and Incident Management System (ICS) as it relates to strategy and tactics.
7. Demonstrate the various roles and responsibilities in ICS/NIMS.
8. Given different scenarios and simulations, the student will set up an ICS, call for appropriate resources and bring the scenario to a mitigated or controlled conclusion.

Content outline

Class Introductions, Expectations

History of ST's

FF safety

Incident management systems

Emergency Incidents Lab: Introduction to simulations, rules expectations

Coordination and Control, Basic building Const., Fire Dynamics

Size-up Simulations

Pre-incident planning, extinguishing agents

Built in Fire Protection

ICS Scenarios and IAP

Company Operations

Basic operational simulations

One and two family dwellings

Life Safety Simulations

Multiple family dwelling, Commercial Buildings

Offensive Operation Simulations

Places of assembly, High-rise/Mid-rise, Vehicle fires

Defensive Operations Simulations

Wildland fires, Special fires

Offensive Defensive Operational Simulations

After the Incident

Putting it all together – complete from tone out to salvage simulations

Final Simulation and Capstone Evaluation

Required materials

Requires textbook.

Grading methods

Grades will be determined by: quizzes, exams, group assignments and simulation evaluations (all simulations will take place on sand tables and table-top cities with role players simulating actual calls and will also use digital software to recreate actual incidents).