

COCONINO COMMUNITY COLLEGE

COURSE OUTLINE

Prepared by: Scott Walton, B.S.
Status: Permanent

Date: December 4, 1991

A. Identification:

1. Subject Area: Fire Science
2. Course Number: FSC 238
3. Course Title: EMERGENCY SCENE MANAGEMENT
4. Credit Hrs: 3
5. Catalog Description:
Effective methods of managing emergency incidents including multiple alarm fires, high-rise fires, brush fires, hazardous materials incidents, and multi-casualty medical incidents. Includes effective interaction among numerous agencies to achieve control. Prerequisite: FSC 180 or consent of instructor. Three lecture.

B. Course Goals:

To provide the students with an understanding of the fire command system and how it is used on the fireground.

C. Course Outcomes:

Students will:

1. Understand the role and the responsibilities of the Incident Commander at a simulated major emergency.
2. Understand the organizational guidelines used by the incident commander during multiple alarm fires, high-rise fires, brush fires, hazardous materials incidents and major medical incidents.
3. Equipped to manage the transition from offensive to defensive strategy at a major structural fire.
4. Understand the organizational guidelines and options utilized by the Incident Commander in effectively managing numerous Public Safety agencies operating at the scene of the emergency.

6. Identify the parts of an emergency scene communications system.
7. Describe emergency communication systems.
8. Identify the main points to consider the fire ground factors.
9. Identify the potential situational and personnel hazards related to an emergency scene and the actions required for the following:
 - a. construction
 - b. electrical
 - c. water
 - d. vehicles
 - e. fire
 - f. chemical
 - g. terrain
 - h. ice
 - i. weather
10. Identify hazards related to response to the emergency scene and actions required to reduce these.
11. Identify symbols which would indicate the possible presence of radioactive or other hazardous materials.
12. List safety principles that are important in avoiding dangerous exposure to radioactive or hazardous materials.
13. Identify hazards to health of personnel resulting from contact with hazardous materials and actions required to reduce these hazards.

14. Identify principles of decontamination.
15. Identify tactical priorities of the emergency scene.
16. Demonstrate appropriate procedures for implementation at the emergency scene.
17. Demonstrate the proper procedures and methods for performing rescue operations.
18. Identify the hazards of improper rescue techniques.
19. Identify procedures for an offensive attack.
20. Identify procedures for a defensive attack.
21. Demonstrate techniques for property conservation on the emergency scene.
22. Identify the main points of consideration for fire stream management.
23. Identify devices, equipment and tools to be used on the emergency scene.
24. Identify the areas of importance and necessities for support activities.
25. Demonstrate proper procedures for staging and apparatus placement.
26. Identify the functions of command procedures.
27. Identify the need for command procedures.
28. Identify the command structure and general strategies.
29. Identify responsibilities, limitations and privileges in regard to command procedures.
30. Given an emergency situation, demonstrate the initial evaluation of the scene.
31. Demonstrate the procedure of sectoring for company operations by: (a) function; (b) direction; and (c) numbers.
32. Demonstrate and explain the need for sectoring by the emergency scene commander.

E. Course Content:

Will include:

1. The Fire Ground Commander
 - a. need of command
 - b. responsibility of command
2. Standard Operating Procedures
 - a. fire control system model
 - b. fire ground rules
3. Functions of command
 - a. assumption confirmation and positioning of command
 - b. situation evaluation
 - c. communications
 - d. identify strategy, develop attack plan, and assign units.
 - e. development of fire ground organization
 - f. review, evaluation, and revision of the attack plan
 - g. continuing, transferring and terminating command.
4. Rescue
 - a. principles of rescue
 - b. the basic rescue size-up
5. Fire Control
 - a. decision making
 - b. developing and managing an attack plan
 - c. fire control activities
6. Property Conservation
7. Fire Stream Management
 - a. use of fire stream
 - b. elevated fire streams
8. Support Activities
 - a. the nature of support activities
 - b. specific support activities
9. Apparatus Placement
 - a. general deployment
 - b. specific deployment
 - c. standard stages of operations

10. Safety
 - a. standard safety procedures
 - b. department safety rules

Revisions:

Format/consistency change June 15, 1994/NLB

Text book changes format, Fall 1996/amk