

Course Outline for FST 8
FIRE STRATEGY AND TACTICS
Effective: Fall 2019

I. CATALOG DESCRIPTION:

FST 8 — FIRE STRATEGY AND TACTICS — 3.00 units

This course provides the principle of fire ground control through utilization of personnel, equipment and extinguisher agents. Fire Strategy and Tactics examines a fire department response to structure fires. Students are challenged with decision-making through a variety of occupancies as they utilize basic firefighting procedures and considerations from today's fire service.

3.00 Units Lecture

Strongly Recommended

FST 1 - Fire Protection Organization
with a minimum grade of C
or
May be Co-Enrolled

Grading Methods:

Letter Grade

Discipline:

- Fire Technology

	MIN
Lecture Hours:	54.00
Expected Outside of Class Hours:	108.00
Total Hours:	162.00

II. NUMBER OF TIMES COURSE MAY BE TAKEN FOR CREDIT: 1

III. PREREQUISITE AND/OR ADVISORY SKILLS:

Before entering this course, it is strongly recommended that the student should be able to:

A. FST1

IV. MEASURABLE OBJECTIVES:

Upon completion of this course, the student should be able to:

- A. Describe fire behavior as it relates to tactics and strategies in the fire ground
- B. Explain the main component of Pre-fire planning, and identify steps needed for a pre-fire plan review
- C. Identify the basics of building construction and how they interrelate to Pre-fire planning , strategy and tactics
- D. Describe the steps taken during SIZE-UP
- E. Examine the significance of fire ground communications
- F. Identify the roles of NIMS and ICS as they relate to strategy and tactics
- G. Demonstrate the various roles and responsibilities of ICS/NIMS

V. CONTENT:

- A. Fire service operations
 1. responsibilities and authority
 2. types of agencies
- B. Fire department organization
 1. organization structure
 2. individual responsibilities
- C. Fire service management
 1. administration
 2. management systems
 3. private fire protection agencies
- D. Multi-agency coordinating systems
 1. state, region, country, and area
 2. mutual aid, automatic aid, and move-up

- 3. alarm classifications
- E. Support and regulatory agencies
 - 1. support
 - 2. regulatory
- F. Dispatch systems
 - 1. how calls are received and units dispatched
 - 2. local and supervised alarm systems
- G. Types of fire department apparatus
 - 1. types of engines and their equipment
 - 2. ladder trucks and aerial platforms
 - 3. aircraft and airport apparatus
 - 4. wildland apparatus
 - 5. auxiliary apparatus
 - 6. EMS apparatus
- H. Structural fire fighting
 - 1. fire behavior in structures
 - 2. building construction hazards
 - 3. tactics and strategy
 - 4. types of attacks
 - 5. supporting fire protection systems
 - 6. fireline safety
- I. Wildland fire fighting
 - 1. fire behavior
 - 2. tactics and strategy
 - 3. fireline safety
- J. Emergency medical services
 - 1. types of incidents
 - 2. training requirements
 - 3. ambulances and squads
 - 4. safety
- K. Transportation incidents
 - 1. roadway
 - 2. aircraft
 - 3. rail
 - 4. marine
 - 5. safety
- L. Hazardous materials
 - 1. classification and identification system
 - 2. transportation and pipeline incidents
 - 3. handling and storage incidents
 - 4. tactics and strategy
 - 5. reference texts
 - 6. safety
- M. Fire investigation responsibilities
 - 1. preservation of evidence

VI. METHODS OF INSTRUCTION:

- A. **Field Trips** -
- B. **Discussion** -
- C. **Lecture** -
- D. Group activities
- E. Diagnostic quizzes
- F. Audio-visual presentations

VII. TYPICAL ASSIGNMENTS:

- A. Write an essay demonstrating knowledge of the structure and organization of a fire department
- B. Present a typical fire department for a large size city (greater than 100,000) population
- C. In a group, list the elements of a size-up for a structure fire

VIII. EVALUATION:

Methods/Frequency

- A. Exams/Tests
 - one midterm and final exam
- B. Quizzes
 - bi-weekly
- C. Papers
 - one essay
- D. Oral Presentation
 - one
- E. Class Participation
 - daily
- F. Class Work
 - daily

IX. TYPICAL TEXTS:

- 1. Jones and Bartlett. *Fundamentals of Fire Fighter Skills*. 3rd ed., Jones and Bartlett Learning, 2017.
- 2. Angle, Gala, Harlow, Lombardo, Maciuba, James S, Michael F, T.David, William B, Craig M. *Firefighting Strategies and Tactics* . 3rd ed., Jones and Barlett Publishing , 2015.
- 3. National Fire Protection Handbook

X. OTHER MATERIALS REQUIRED OF STUDENTS: