

Course Objectives/Course Outline

Spokane Community College

Course Title: Advanced Fire Science
Prefix and Course Number: FS 231

Course Learning Outcomes:

By the end of the course, a student should be able to:

- Determine the need for command.
- Explain the process of hose testing
- Justify the need for Fire cause determination
- Coordinate a Fire attack

Course Outline

- I. Tools and Equipment
 - A. Maintenance of Electrical Generators and Lighting Equipment
 - B. Rescue Tools
- II. Vehicle Extrication
 - A. Size Up
 - B. Stabilizing the Vehicle
 - C. Securing Electrical Systems
 - D. Passenger Safety Systems
 - E. Gaining Access to Victims
 - F. Cutting Posts
 - G. Displacing the Dashboard
- III. Technical Rescue Review
- IV. Service Testing Fire Hose
- V. Firefighting Foam
 - A. Proportioning and Mixing
 - B. Foam Application
 - C. Special Hazards
- VI. Coordinating Fire Ground Operations
 - A. Roles and Responsibilities