

**J. Sargeant Reynolds Community College
Course Content Summary**

Course Prefix and Number: FST 105

Credits: 3

Course Title: Fire Suppression Operations

Course Description (including lecture hours, lab hours, total contacts)

Introduces the fundamentals of fire suppression. Explores fire behavior and basic physical and chemical laws of fire dynamics. Prepares student to understand the need for quick operational decisions made on the fire ground including emergency management. Lecture 3 hours per week.

Course Prerequisites/Corequisites (*Entry-level competencies **required** for enrollment*)

None

Course Objectives (Each item should complete the following sentence.)

Upon completing the course, the student will be able to:

1. Understand fire behavior in structures
2. Understand fire extinguishment methods
3. Apply firefighting principles to various fire control problems
4. Understand the need for incident management
5. Recognize factors influencing fireground decisions
6. Apply incident management to incident control

Major Topics to be Included

1. Fire behavior and effects on structures
2. Basic safety and fire rescue principles
3. Fire control principles
4. Fire flow calculations for suppression
5. Suppression principles applied to structure fires
6. Functions of command and fireground organization
7. Situation evaluations and strategy identification

Effective Date of Course Content Summary (Month, Date Year): Oct 1, 2008