

SPRINGFIELD TECHNICAL COMMUNITY COLLEGE

ACADEMIC AFFAIRS

Course Number: FST-220 Class/Lect. Hours: 3 Lab Hours: _____ Credits: 3 Dept.: Fire
Course Title: Fire Investigation 1 Semester: Fall Year: 2019

Course Description, Prerequisite, Corequisite:

This course concerns the history development and philosophy of fire investigation and detection. Including inspection techniques, gathering evidence and development of technical reports, fundamentals of arson investigation, processing of criminal evidence and criminal procedures related to various state and local statutes.

OBJECTIVES/COMPETENCIES

Course Objectives	Competencies
<ol style="list-style-type: none">1. Demonstrate the importance of documentation, evidence collection, and scene security process needed for successful resolution.2. Understand and demonstrate the process of conducting fire origin and cause3. Identify the processes of proper documentation	<ol style="list-style-type: none">a. Demonstrate the importance of documentation, evidence collection, and scene security processb. Understand and demonstrate the process of conducting fire origin and cause investigationc. Identify the responsibilities of a firefighter when responding to the scene of a fire, including scene security and evidence collectiond. Describe the implication of institutional amendments as they apply to fire investigations to include case law decisions that have affected fire investigations.e. Define the common terms used in fire investigations

Course Objectives	Competencies
	<ul style="list-style-type: none">f. Explain the basic elements of fire dynamics, construction, and fire protection system as to how they affect origin and cause determination.g. Discuss the basic principles and identify cause an origin of fires.h. Recognize the potential health and safety hazards