

Course Competency

FFP 1510 Codes and Standards

Course Description

The purpose of this course is to familiarize students or current inspectors with the Florida Fire Prevention Code which includes NFPA 101, NFPA 1, FSS 633 and FAC 69A. Students will learn how to research the codes and apply them to inspection activities. (3 hr. lecture)

Course Competency	Learning Outcomes
<p>Competency 1:Comprehend the concepts of building construction components and techniques related to fire and life safety by:</p>	<p>1. Critical thinking</p>
<ul style="list-style-type: none"> a. Describing building construction components and techniques as they relate to building codes, fire and life-safety codes, fire prevention and inspection, firefighter safety, and firefighting strategy and tactics. b. Distinguishing the Classifications of major types of building construction as applicable with “model” building codes. c. Interpreting the hazards and tactical considerations associated with the various types of building construction. d. Describing principle structural components in a typical building design. e. Explaining the function of each building design. f. Comparing defined differences in fire resistance construction, the flame spread within building types, and describe the testing procedures used to establish ratings for each. g. Classifying occupancy designations of the building and fire code. 	
<p>Competency 2:Understand the history and philosophy of fire prevention, including code enforcement, public information, organization and operation of a fire prevention bureau, utilization of fire codes, identification and correction of fire hazards, and the relationships of fire prevention with built-in fire protection systems, fire investigation, and fire and life-safety education by:</p>	<ul style="list-style-type: none"> 1. Critical thinking 2. Information Literacy 3. Ethical Issues

<p>a. Identifying the laws, rules, codes, and other regulations relevant to fire protection of the authority having jurisdiction.</p>	
<p>Competency 3:Describe the features of design and operation of fire alarm systems, water-based fire suppression systems, special hazard fire suppression systems, and water supply for fire protection and portable fire extinguishers by:</p>	<p>1. Critical thinking</p>
<p>a. Explaining the benefits of fire protection systems in various types of structures. b. Explaining why water is a widely used extinguishing agent and how water extinguishes fires. c. Identifying the different types and components of sprinkler, standpipe and foam systems. d. Defining the benefits of residential sprinkler legislation in NFPA 13. e. Identifying sprinkler design requirements for residential occupancies NFPA 13R. f. Analyzing the different types of non-water-based fire suppression systems and how these extinguish fire. g. Describing the basic components of a fire alarm system. h. Comparing defined differences in fire-resistant construction and the flame spread within building types. i. Describing testing procedures used to establish ratings for fire resistance and flame spread. j. Identifying portable fire extinguisher inspection and testing requirements for all types of extinguishers.</p>	
<p>Competency 4:Discuss the federal, state, and local laws that regulate emergency services, national standards influencing emergency services, standard of care, tort, liability, and a review of court cases. by:</p>	<p>1. Social Responsibility 2. Ethical Issues</p>
<p>a. Describing federal, state, and local laws,which regulate or influence emergency services. b. Defining discrimination and identify areas of potential discrimination in the emergency service as it relates to state and federal laws.</p>	

