

**PALM BEACH COMMUNITY COLLEGE**  
**Course Outline**

**Course Number and Title**

FFP 2120: Building Construction for Fire Protection

**Catalog Description**

This course addresses the fundamentals of building construction and design, fire protection features and special considerations for fire inspection and suppression personnel.

**Credit and Contact Hours**

3/48

**Transferability**

Conditional

**Prerequisite**

None

**Co-requisite**

None

**Textbooks and/or Bibliography**

Building Construction for the Fire Services (Brannigan 3<sup>rd</sup> Edition)  
Study Guide for Building Construction for the Fire Service (Davis 3<sup>rd</sup> Edition)  
(available at the Palm Beach Community College Bookstore)

**Required Equipment:**

None

**Applications to Certification (s):**

Fire safety Inspector I, Fire Officer I

**Applies to Re-certification (s):**

Fire safety Inspector, Special Fire Safety Inspector

### **Performance Objectives:**

1. Define types of building classifications and construction types.
2. Define various types of loads and forces buildings are subject to.
3. Define and demonstrate the relationship of building components and structural parts and their effect on fire propagation and ensure penetration and/or control.

### **Learning Objectives:**

1. Learn the principles of building construction including, but not restricted to, the classification of buildings.
2. Define types of loads building components are subject to, the characteristics of building materials, fire loading and fire resistiveness within various types of buildings and occupancy classification.
3. Advantages and disadvantages of types of construction, principles of fire resistiveness fire growth and the behavior of fire and smoke in buildings.
4. Types of fire protection such as sprinkler system standpipes and other means of protecting buildings from fire.

### **Special Requirements**

None.