



## **FIRT 1329 Building Codes & Construction**

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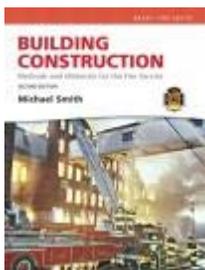
### **Course Description**

In this course, students will learn the components of building construction as related to firefighter and life safety. This course will examine the five types of NFPA classifications for building construction. Loads, structural components, and how fire and other emergencies impact building design and construction will be explored. The components of building systems, their effects on building design and construction, and how structures act under fire and other emergency situations will be examined as well.

### **Course Outcomes**

At the end of this course, students will be able to:

- Explain the importance of building construction as it relates to firefighter safety
- Analyze the properties of construction materials
- Analyze parts of a building plan
- Distinguish buildings by NFPA Classification
- Analyze building systems contained in building structures
- Analyze the mechanisms for building collapse
- Analyze the effect of fire loads and behavior on building structure fires
- Explain special considerations for fire safety in building construction
- Analyze green technology in building construction



**Title:**

*Building Construction: Methods and Materials for the Fire Service*

**Edition:**

Second

**Author:**

Smith

**ISBN:**

0133780406

## Lesson Checklists

Every lesson has a prescribed checklist of assignments required to successfully complete the lesson. Follow this checklist to complete each lesson.

## Course Components

The *Building Construction* course is made up of the numerous graded and ungraded activities listed here.

### Graded Assessments

- Discussion Forums
- Practice Exercises / chapter assignments
- Quizzes

### Ungraded Activities

- Online Practice (in the lesson presentations)
- Reading Assignments

## Grades

The following table shows the graded assessment types contained within this course and the assigned weighting used to determine the final course grade.

| Graded Assessment Types | Weights (%) |
|-------------------------|-------------|
| Assignments             | 33%         |
| Discussions             | 33%         |
| Quizzes                 | 34%         |
| Total:                  | 100%        |

Letter grades for the course will be based on the following grading scale.

| Letter Grade | Percentage | Grade Point |
|--------------|------------|-------------|
| A            | 90 - 100%  | 4.0         |
| B+           | 85 - 89%   | 3.5         |
| B            | 80 - 84%   | 3.0         |
| C+           | 75 - 79%   | 2.5         |
| C            | 70 - 74%   | 2.0         |
| D+           | 65 - 69%   | 1.5         |
| D            | 60 - 64%   | 1.0         |
| F            | <60%       | 0.0         |

## **Course Participation**

Unlike a traditional classroom-based course, you do not need to show up to class at a specific time every day to earn your class participation grade in an asynchronous online course. Instead, you need to complete the online lesson presentations, assignments, quizzes, and discussions by the due dates specified by your instructor. Although some of your activities will be ungraded, your instructor will keep track of whether you have completed them and will assign you a course participation grade based on your completion of these assignments.

Assignments and discussion post will be given a due date. Work received after that point will lose 10 points base score for each week late. Example work turned in one week late will have 10 points deducted and your maximum score possible would now be 90.

## **Online Etiquette**

The objective in an online discussion is to be collaborative, *not* combative. Please, proofread your responses carefully before you post them to make sure that they will not be offensive to others. Use discussions to develop your skills in collaboration and teamwork. Treat the discussion areas as a creative environment where you and your classmates can ask questions, express opinions, revise opinions, and take positions just as you would in a more traditional classroom setting.