



# Wayne County Community College District

## COURSE SYLLABUS

### FPT 215 Building Construction for the Fire Service

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**CREDIT HOURS:** 3.00

**CONTACT HOURS:** 45.00

**COURSE DESCRIPTION:**

This course provides the components of building construction that relate to fire and life safety. The focus of this course is on firefighter safety. The elements of construction and design of structures are shown to be key factors when inspecting buildings, preplanning fire operations, and operating at emergencies.

**PREREQUISITE:** FPT 150

**EXPECTED COMPETENCIES:**

Upon completion of this course, the student will:

- 1 List the building codes and standards associated with fire inspections.
- 2 Describe the various types and elements of building construction.
- 3 Describe how design features can affect fire growth in a structure.
- 4 List the benefits of properly preplanning a response to a structure.
- 5 List the components of a pre incident survey.
- 6 Complete a pre incident survey of a given structure.
- 7 Use a completed pre incident survey to manage a mock incident at a structure.
- 8 List the benefits of performing fire inspections in new and existing structures.
- 9 List the steps of performing a fire inspection in a structure.
10. Perform a mock inspection of a given structure.

**ASSESSMENT METHODS:**

Student performance may be assessed by examination, quizzes, case studies, oral conversation, group discussion, oral presentations. The instructor reserves the option to employ one or more of these assessment methods during the course.

**GRADING SCALE:**

90%-100% = A  
80%-89.9%= B  
70%-79.9%= C  
60%-69.9%= D  
<60% = E