Sinclair Community College
444 E. Third St.
Dayton, OH 45402

Master Syllabus

FST 2202 - Building Construction for Fire Protection

Division: Business and Public Services

Department: Fire Science Technology

Credit Hour Total: 3.0 **Lecture Hrs:** 3.0

Date Revised: June 2014

Course Description:

This course provides the components of building construction related to firefighter and life 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.

General Education Outcomes:

- Information Literacy Competency
- Critical Thinking/Problem Solving Competency

Course Outcomes:

Major types of building construction
Identify major types of building construction in accordance with a local/model building code and their fire behavior issues.

Assessment Method: Locally developed exams
Performance Criteria: Obtain a score of 70% or higher on written examinations.

Tactical considerations
Analyze the hazards and tactical considerations of various emergencies related to the types of building construction.

Assessment Method: Locally developed exams
Performance Criteria: Obtain a score of 70% or higher on written examinations.

Principle structural component
Identify the function of each principle building system component and how it relates to fire protection and fire safety.

Assessment Method: Locally developed exams
Performance Criteria: Obtain a score of 70% or higher on class examinations

Principles of building construction
Describe the principles of building construction as they relate to firefighter safety, building codes, fire prevention, code inspection, firefighting, strategy, and tactics.

Assessment Method: Locally developed exams
Performance Criteria: Obtain a score of 70% or higher on written examinations.

Outline:

Principles of building constructionTypes of building construction classificationsHazards and tactical considerations Structural components as they relate to fire safety