

# North Hennepin Community College

## BIT 1250: Commercial Plan Review and Field Inspections

### A. COURSE DESCRIPTION

Credits: 4

Lecture Hours/Week: \*.\*

Lab Hours/Week: \*.\*

OJT Hours/Week: \*.\*

Prerequisites:

This course requires both of these prerequisites

BIT 1050 - Foundations of Construction Codes and Inspections

BIT 1150 - Residential Plan Review and Field Inspections

Corequisites: None

MnTC Goals: None

Emphasizes techniques for plan review and field inspections on commercial, industrial, multi-story buildings, and multi-family structures in accordance with the International Building Code (IBC). Discussion topics shall include, but not be limited to, occupancy classification, allowable area, types of construction, fire resistive construction, fire protection requirements, building systems and exiting.  
Prerequisites: BIT 1050 and 1150

**B. COURSE EFFECTIVE DATES:** 01/09/2012 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Plan review and field inspection process
2. Code research and applicability
3. Design details and specifications
4. Problem solving as it relates to the plan review and field inspection process
5. Communication skills, consumer expectations and conflict resolution.
6. Referenced Standards, Special Inspections
7. Detailed Requirements based on Occupancy group and type of construction
8. Fire-Resistance-Related provisions

### D. LEARNING OUTCOMES (General)

1. Identify specific detailed requirements of advanced types of construction and occupancy groups. (Program Goals 1, 3, 5; NHCC ELO 1)
2. Describe in depth the plan review and field inspection process, its applicability, and benefits. (Program Goal 3; NHCC ELO 2, 4)
3. Apply an in depth step by step process in evaluating the provisions of the International Building code and related codes and standards. (Program Goals 1, 3, 5; NHCC Core Ability Critical Thinking, comps. a, b, c, d; NHCC ELO 2, 4)
4. Recognize the parameters of the International Building Code (and related codes) and effectively relate this information to the plan review and field inspection process. (Program Goals 3, 5; NHCC Core Ability Critical Thinking, comps. a, b, c, d; NHCC ELO 2, 4)
5. Recognize the variable and unique situations that effect code application and learn to interpret the code to apply the applicable provisions for those situations. (Program Goal 2; NHCC Core Ability Critical Thinking, comps. a, b, c, d; ; NHCC ELO 2, 4)

## **E. Minnesota Transfer Curriculum Goal Area(s) and Competencies**

None

## **F. LEARNER OUTCOMES ASSESSMENT**

As noted on course syllabus

## **G. SPECIAL INFORMATION**

1. Knowledge of Human Cultures and the Physical and Natural World; Through study in the sciences, mathematics, social sciences, humanities, histories, languages, the arts, technology and professions.
2. Intellectual and Practical Skills - including: Inquiry and analysis; Critical and creative thinking; Written and oral communication; Quantitative literacy; Information literacy; Teamwork and problem solving.
4. Integrative and Applied Learning - including: Synthesis and advanced accomplishment across general education, liberal studies, specialized studies and activities in the broader campus community.