

# North Hennepin Community College

## BIT 1150: Residential Plan Review and Field Inspections

### A. COURSE DESCRIPTION

Credits: 4

Lecture Hours/Week: \*.\*

Lab Hours/Week: \*.\*

OJT Hours/Week: \*.\*

Prerequisites:

This course requires the following prerequisite

BIT 1050 - Foundations of Construction Codes and Inspections

Corequisites: None

MnTC Goals: None

Emphasizes techniques for plan review and field inspections on single family dwellings, townhomes, and accessory structures associated with dwellings, in accordance with the current International Residential Code (IRC). Students will learn about egress components, basic fire and life safety, building construction techniques, building components and systems, and other requirements related to residential dwellings.

Prerequisite: BIT 1050

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

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Building types and systems
2. Construction types and methods
3. Plan review and field inspection process
4. Code research applicability
5. Design details
6. Problem solving as it relates to plan review and field inspections
7. Communication skills, consumer expectations, and conflict resolution
8. Building types, planning and methods: foundations, floors, materials, walls, roofs
9. Administration, Records, Referenced Standards

### D. LEARNING OUTCOMES (General)

1. Describe the basics of the plan review and field inspection process, its applicability, and benefits. (Program goals 1,2,3,4,5;NHCC ELO 1)
2. Apply a step by step process in evaluating the provisions of the International Residential Code and related codes. (Program goals 1,3; NHCC ELOs 2, 4)
3. Identify the parameters of the International Residential Code (and related codes) and relate this information to the plan review and field inspection process. (Program goals 1,2; NHCC ELO 1)
4. Recognize variable and unique situations that effect code application and learn to interpret the code provisions for those situations. (Program goals 1,2; NHCC ELOs 2, 4)
5. Demonstrate effective communication skills related to working with consumers and stakeholders in the industry. (Program goals 5; NHCC ELO 2)

### 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.