

North Hennepin Community College

BIT 1050: Foundations of Construction Codes and Inspections

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: *.*

Lab Hours/Week: *.*

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course provides an introduction to the field of building inspection and construction codes. Provides an introduction to the field of building inspection and construction codes. The student will learn about the history of codes, what codes and standards are and how they are developed, along with receiving an introduction to plan reading, field inspections, department administrations, plumbing, mechanical systems and information on the industry and types of positions that work in a building department. This course is intended to provide a student with a broad overview of the building inspection industry and construction codes.

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

C. OUTLINE OF MAJOR CONTENT AREAS

1. Introduction to Building Inspection
2. Components of construction codes
3. Basic inspection procedures and fundamentals
4. Administration fundamentals
5. Code adoption process
6. Plumbing, mechanical and energy saving systems
7. Basic plan reading skills
8. Basic structural loads and forces

D. LEARNING OUTCOMES (General)

1. Explain the principles and historical foundations for building codes (Program Goal 2; NHCC ELO 1)
2. Explain the operation of building plumbing, mechanical and energy saving systems (Program Goals 1, 2, 5; NHCC ELO 1)
3. Describe the politics and legislative process involved in the adoption and modification of building codes. (Program Goals 1, 2, 4; NHCC ELOs 2, 4)
4. Develop basic abilities to select appropriate code sources for particular applications. (Program Goal 1; NHCC ELO 1, 2)
5. Interpret construction plans (program Goal 3; NHCC ELOs 2, 4)

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted