

North Hennepin Community College

BIT 2300: Advanced Plan Review Structural

A. COURSE DESCRIPTION

Credits: 2

Lecture Hours/Week: *.*

Lab Hours/Week: *.*

OJT Hours/Week: *.*

Prerequisites:

This course requires the following prerequisite

BIT 1310 - Plan Review Structural

Corequisites: None

MnTC Goals: None

This course acquaints the inspector with engineering principles and provides some understanding of their application in the design and plan review areas. The course covers design of wood trusses; steel and wood beams; and columns and reinforced concrete systems.

Prerequisite: BIT 1310

B. COURSE EFFECTIVE DATES: 07/16/1997 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Wood structural components
2. Steel structural components
3. Pole building structure
4. Foundations

D. LEARNING OUTCOMES (General)

1. Understand and apply basic plan review techniques of advanced structural principles utilizing wood components. (Program Goals 1, 2, 3; NHCC Core Ability Critical Thinking, comps. a, b, c)
2. Understand and apply basic plan review techniques for pole building structures. (Program Goals 1, 2, 3; NHCC Core Ability Critical Thinking, comps. a, b, c)
3. Understand and apply basic plan review techniques for concrete, beams, footings and foundation wall design. (Program Goals 1, 2, 3; NHCC Core Ability Critical Thinking, comps. a, b, c)
4. Understand and apply basic plan review techniques for steel beams, columns. (Program Goals 1, 2, 3; NHCC Core Ability Critical Thinking, comps. a, b, c)

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted