

North Hennepin Community College

BIT 1600: Energy Conservation in Building Construction

A. COURSE DESCRIPTION

Credits: 2

Lecture Hours/Week: *.*

Lab Hours/Week: *.*

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course presents the principles involved in the design of energy efficient buildings and familiarizes the student with the Minnesota Energy Code and its application to different types of buildings.

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

C. OUTLINE OF MAJOR CONTENT AREAS

1. Familiarization with energy efficient building codes
2. Design principles
3. Examples and actual work sheet for energy calculations

D. LEARNING OUTCOMES (General)

1. Become acquainted with the appropriate Energy Code (Program Goal 1)
2. Demonstrate ability to complete energy calculations for both residential and commercial buildings. (Program Goals 1, 2, 3; NHCC Core Ability Critical Thinking, comps. a, c)
3. Be able to evaluate and exchange insulation products to meet equipment. (Program Goals 1, 2, 3; Core Ability Critical Thinking, comps. a, c)
4. Be able to evaluate and calculate heat loss for mechanical equipment. (Program Goals 1, 2, 3; Core Ability Critical Thinking, comps. a, 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