

North Hennepin Community College

ENGR 2340: Thermodynamics

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 0

Lab Hours/Week: 0

OJT Hours/Week: *.*

Prerequisites:

This course requires both of these prerequisites

CHEM 1061 - Principles of Chemistry I (Minimum grade: 1.67 GPA Equivalent)

PHYS 1601 - General Physics I

Corequisites: None

MnTC Goals: None

This course will cover basic laws of thermodynamics; energy transfer processes; conservation of mass and energy; entropy balance; thermal properties of materials; equations of state; reversible and irreversible processes and cycles. Also includes applications to engineering systems.

B. COURSE EFFECTIVE DATES: 06/15/2021 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

None

D. LEARNING OUTCOMES (General)

None

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted