



South Central College

HVAC 2301 Indoor Air Quality

Course Outcome Summary

Course Information

Description	This course covers equipment that deals with today's problem with indoor air quality. Students will study, analyze the causes of poor IAQ in homes and the work place. Each student will give an oral report on a topic picked by the instructor.
Total Credits	1
Total Hours	16

Types of Instruction

Instruction Type	Credits/Hours
Lecture	

Pre/Corequisites

None

Institutional Core Competencies

Civic Engagement and Social Responsibility - Students will be able to demonstrate the ability to engage in the social responsibilities expected of a community member.

Communication - Students will be able to demonstrate appropriate and effective interactions with others to achieve their personal, academic, and professional objectives.

Critical and Creative Thinking - Students will be able to demonstrate purposeful thinking with the goal of using a creative process for developing and building upon ideas and/or the goal of using a critical process for the analyzing and evaluating of ideas.

Course Competencies

1. Examine health effects associated with poor IAQ.

Learning Objectives

List health issues caused by poor IAQ

Study the causes of poor IAQ.

Identify long term effects of poor IAQ.

2. Examine methods of controlling indoor air pollutants.

Learning Objectives

Compare filters and the materials they are made from.

Identify equipment that is designed to clean indoor air.
demonstrate the function of an EAC unit.
Describe the operation of the air to air exchanger.
Describe the operation of the heat recovery vessel.
Draw the air-flow pattern of a heat recovery vessel.

3. Summarize what we can do to improve IAQ.

Learning Objectives

List improvements that can be made in our homes.
Present an oral report on IAQ.
Answer questions about IAQ.

SCC Accessibility Statement

South Central College strives to make all learning experiences as accessible as possible. If you have a disability and need accommodations for access to this class, contact the Academic Support Center to request and discuss accommodations. North Mankato: Room B-132, (507) 389-7222; Faribault: Room A-116, (507) 332-7222.

Additional information and forms can be found at: www.southcentral.edu/disability

This material can be made available in alternative formats by contacting the Academic Support Center at 507-389-7222.