

# Commercial Refrigeration

TEAC - 1445 401

## Course Description

---

Introduces the student to commercial refrigeration applications. Small scale refrigeration systems, ice machines and supermarket systems will be covered. Focus is on safe and efficient commercial food handling and storage and other miscellaneous applications. Troubleshooting skills will be discussed.

Semester(s) taught: All

## Course Student Learning Outcomes

---

- Demonstrate, explain and identify the refrigeration cycle and components as they apply to commercial refrigeration applications.
- Identify and explain the purpose of the special controls and accessories used on commercial refrigeration applications.
- Demonstrate ability to troubleshoot and service commercial refrigeration equipment, including identifying and wiring different compressor motor control circuits.
- Review and explain the proper process for commercial refrigeration system, retrofitting, recovery, evacuation and charging.
- Demonstrate understanding of refrigeration systems, components and accessories as they apply to supermarket refrigeration applications.
- Demonstrate, explain and identify the refrigeration cycle and components as they apply to ice machine applications.
- Explain the importance and process of product temperatures for preservation and health.

## Engagement Plan

---

We will respond to email within 24 hours. The best way to contact us is via the Canvas Inbox, as I will prioritize this email over other modes of communication.

## Brief Description of Assignments/Exams

---

Assignments and quizzes/exams are scheduled in Canvas.

## Assignment Schedule

---

Due Date	Assignment Name	Assignment Type	Points
	<a href="#">3 Written Progress Exam</a>	Quiz	26
	<a href="#">4 Written Progress Exam</a>	Quiz	35
	<a href="#">Check Your Knowledge: 1</a>	Quiz	13
	<a href="#">Check Your Knowledge: 2</a>	Quiz	15
	<a href="#">Check Your Knowledge: 3</a>	Quiz	22
	<a href="#">Check Your Knowledge: 4</a>	Quiz	15
	<a href="#">Cornelius Ice Machine Lab</a>	Assignment	1
	<a href="#">Hoshizaki Ice Machine Lab</a>	Assignment	1
	<a href="#">Ice Machines Unit 27</a>	Quiz	33
	<a href="#">Introduce Yourself</a>	Discussion	0

Due Date	Assignment Name	Assignment Type	Points
	<a href="#">Refrigeration Final Review</a>	Quiz	50
	<a href="#">Scotsman Ice Machine Lab</a>	Assignment	1
	<a href="#">Unit 26 Applications of Refrigeration Systems Review Questions</a>	Quiz	33

## Grading Scale

---

Each assignment, quiz, and exam have an assigned point value. The course grade is determined by summing all of the assignments, quizzes, and exams and dividing the sum by the total possible points. A letter grade of A , B, or E (failing) will be assigned according to the percentage of points earned and the following table:

GRADE	RANGE
A	90-100%
B	80-89%
E	Less than 80%

## How to Navigate to Canvas

---

## Institutional Policies

---

As members of our academic community, we would like to invite you to review the Institutional Syllabus which covers important policies and procedures. This document contains important links for students on the code of student rights and responsibilities, academic integrity, and grading policies, Title IX and other important acknowledgements.

By familiarizing yourself with this information, you can help us create a safe and respectful environment for everyone.

For more information, navigate to the Institutional Policies tab on the [Institutional Syllabus](#) page.

## Learning Support and Tutoring Services

We are pleased to offer a range of tutoring and learning support services to help you achieve your academic goals. Whether you need assistance with a specific subject or want to improve your study skills, you have many options for tutoring or other support.

To learn more about the services we offer and how to access them, visit the [Institutional Syllabus](#) page under the Tutoring and Learning Support tab. We encourage you to take advantage of these resources to help you succeed in your studies. If you have any questions or would like to schedule a tutoring session, please don't hesitate to reach out to us. We are here to support you in any way we can.

## Advising and Counseling Support Services

At our institution, we are committed to supporting your academic and personal growth. That's why we offer a range of advising and counseling services to help you navigate the challenges of college life. To learn more about the resources available to you and how to access them, visit the [Institutional Syllabus](#) page under the Advising and Counseling Support Services tab. Our advising team and the support centers across campus are here to support you in achieving your goals and overcoming any obstacles you may face.

## Student Academic Calendar

As students you should be aware of all important dates in the semester, such as the day that courses begin and end, as well as the drop date and the last day to withdraw. To learn more about those dates, navigate to the Student Academic Calendar below:

[SLCC Student Academic Calendar](#)