

MARTIN COMMUNITY COLLEGE
COURSE SYLLABUS
Semester/Year: Spring 2011

COURSE NUMBER:	REF 259 01	INSTRUCTOR:	Don Golden
COURSE TITLE:	Refrigeration Codes	OFFICE NO:	Building 3 Room 19-A
CREDIT HOURS:	3	OFFICE/VIRTUAL HOURS:	10:00-12:00 T,Th
CONTACT HRS/WK:	3	PHONE NO:	252-789-0271
PREREQUISITES:	None	FAX:	252-792-0826
COREQUISITES:	None	E-MAIL:	dgolden@martincc.edu

COURSE DESCRIPTION:

This course covers the current commercial refrigeration codes, including applicable North Carolina laws and codes. Emphasis is placed on the application of the codes in respect to systems installation, operation, recovery, and repair. Upon completion, students should be able to demonstrate knowledge of codes, and accepted standards, and recommended practices as related to commercial refrigeration.

PROGRAM LEARNING OUTCOMES:

1. Service, repair, and troubleshoot commercial refrigeration equipment using the appropriate tools.
2. Describe the principle operating functions of commercial refrigeration systems.
3. Describe the installation requirements for commercial refrigeration systems.

COURSE LEARNING OUTCOMES:

1. Match appropriate refrigeration codes when servicing refrigeration systems.
2. Apply the NC Administrative Code Chapter 60 to the installation of refrigeration systems.
3. Use the NC Mechanical Code Book to service, repair, and install refrigeration systems.

REQUIRED TEXTBOOKS:

Althouse, Andrew, Carl Turnquist and Alfred Bracciano, (2000) Modern refrigeration and air conditioning. Tinley Park, IL: Goodhart-Willcox Co. ISBN 1-56637-724-2

SUPPLEMENTAL RESOURCES:

North Carolina Building Code from NC State Board of Refrigeration Examiners www.refrigerationboard.org

LEARNING/TEACHING METHODS:

Labs working on refrigeration equipment , DVD power point, lecture, and outside reading assignments

ASSESMENTS/METHODS OF EVALUATION:

1. Outside Reading Assignments -20%
2. Projects- 20%
3. Quizzes-20%
4. Tests-20%
5. Final Exam-20%

GRADING POLICY:

Martin Community College's Commercial Refrigeration curriculum uses the 7- point scale in its grading system.

Letter Grade	7-Point
A	93-100
B	85-92
C	77-84
D	70-76
F	69 and below

COURSE OUTLINE:

- Week 1-3 Discuss the state codes
- Week 4-6 Estimate cost of installation
- Week 7-8 Design refrigeration systems
- Week 9-10 Select refrigeration equipment
- Week 11-12 Discuss State Building Code Volume III
- Week 13-14 Explain electric codes
- Week 15-16 Define safety on the job and exams

STUDENT ATTENDANCE POLICY:

Regular and prompt attendance is expected in class. When a student is absent for reasons of illness or emergency, he/she is responsible for course work missed and should consult with the instructor at the next meeting of the class. Class notes should be obtained from a classmate. Attend class regularly. A strict attendance policy is necessary since many of the projects and learning will occur during class time. Attendance means staying for the entire class period, not leaving. The maximum number of hours that may be missed is based on the 20% rule. If a student misses more than 20% of class room hours they will receive an F. Anyone unable to attend a course at least 80% of the time, should reconsider taking the course. Students unwilling or unable to finish the course should withdraw. This is the students' responsibility. Punctuality will also be considered in grade assignment. Chronic tardiness is rude. It is also disruptive to the class and limits the student's opportunity to learn. If the student is unable to be punctual, he/she should consider restructuring his/her schedule in order to attend, or withdraw. Chronic lateness will be considered as nonattendance. In order to drop this class, the student must initiate the process rather than simply disappearing from class.

COURSE POLICIES:

1. An absence up test day requires a written note from your doctor in order to take a make-up test.
2. You have three (3) days to make up the test.
3. After three (3) days you will be given a 0 on the test you missed.

REQUEST FOR EXCUSED ABSENCES FOR RELIGIOUS OBSERVANCES*

***In compliance with G.S. 115D-5, MCC policy permits a student to be excused, with the opportunity to make-up any test or other missed work, a minimum of two excused absences per academic year for religious observances required by the student's faith. The policy limits the excused absences to a maximum of two days per academic year.**

Students who wish to be excused for a Religious Observance required by their faith must complete and submit a request form to the instructor(s) prior to the census date of each class. The ***Request for Excused Absences for Religious Observances*** form can be picked up from Student Services. This does not supersede the college-wide attendance policy as outlined in the college catalog or syllabus, with the exception of a reasonable accommodation for the make-up of missed course work.

If you cannot reach your instructor, you may contact Dr. Phyllis Broughton, Dean of Academic Affairs and Student Services at (252)789-0246 by phone, pbroughton@martincc.edu by e-mail, or in person at her office in Building 2, Room 33.

To access the Martin Community College Career Catalog for policies and curriculum requirements, please go online to www.martincc.edu.

If you have a need for a disability-related accommodation, please notify the Student Services counselor at (252) 789-0 293.