

**MARTIN COMMUNITY COLLEGE**  
**COURSE SYLLABUS**  
**Semester/Year: Spring 2011**

<b>COURSE NUMBER:</b> PLU 211 (01)	<b>INSTRUCTOR:</b> Don Golden
<b>COURSE TITLE:</b> Commercial /Industrial Plumbing	<b>OFFICE NO:</b> Building 3 Room 19-A
<b>CREDIT HOURS:</b> 3	<b>OFFICE/VIRTUAL HOURS:</b> 10:00-12:00 T,Th
<b>CONTACT HRS/WK:</b> 4 (2 Class, 2 Lab)	<b>PHONE NO:</b> 252-789-0271
<b>PREREQUISITES:</b> None	<b>FAX:</b> 252-792-0826
<b>COREQUISITES:</b> None	<b>E-MAIL:</b> dgolden@martincc.edu

**COURSE DESCRIPTION:**

This course covers the installation of various commercial and industrial piping. Topics include piping in Steam, gas, air, fire sprinklers, and other related topics. Upon completion, students should be able to select and install various piping systems for a variety of applications.

**PROGRAM LEARNING OUTCOMES:**

1. Utilize tools and equipment to service and maintain mechanical systems, plumbing systems, hydraulic and pneumatics systems, and electrical and electronic systems.
2. Create, interpret, and modify industrial blueprints and schematics.
3. Perform preventive maintenance and troubleshoot a variety of industrial systems. Perform various welding and cutting processes used in current industry.

**COURSE LEARNING OUTCOMES:**

1. Layout commercial/industrial plumbing systems.
2. Trouble shoot commercial/industrial plumbing systems.
3. Estimate the cost of installing and repairs of a commercial/industrial plumbing systems.

**REQUIRED TEXTBOOKS:**

Ripka, L.V.(2006) Plumbing design and installation. Homewood, Illinois: American Technical Publishers, Inc. ISBN:978-0-8269-0631-1 Workbook ISBN:978-6-8269-0632-8

**SUPPLEMENTAL RESOURCES:**

Basic hand tools.

**LEARNING/TEACHING METHODS:**

Labs working with plumbing tools and equipment on plumbing systems.

**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 The Plumbing Trade
- Week 2 Job Site Safety
- Week 3 Plumbing Math
- Week 4 Plumbing Materials
- Week 5 Plumbing Tools and Equipment
- Week 6 Joining, Installing, and Supporting Pipe
- Week 7 Sanitary Drainage, Vent, and Stormwater Drainage Piping
- Week 8 Sizing Sanitary Drainage and Vent Piping
- Week 9 Plumbing Traps
- Week 10 Sizing Water Supply Piping
- Week 11 Protecting the Potable Water Supply
- Week 12 Plumbing Fixtures and Appliances
- Week 13 Testing and Inspecting Plumbing Systems
- Week 14 Customer Service and Plumbing Systems
- Week 15 Obtaining a Plumber's License
- Week 16 Final Exam

**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 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](mailto: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](http://www.martincc.edu).**

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