

I. COURSE DESCRIPTION:

This course has been designed to provide the student with a practical introduction to the plumber and steamfitter trades.

II. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:

Upon successful completion of this course, the student will demonstrate the ability to:

1. Apply safety procedures taught in theory classes.
Potential Elements of the Performance:
 - Identify common hand tools
 - Identify common power tools
 - Identify proper safety equipment for use on the job
 - Identify the safe and proper use of hand and power tools
 - Identify the applicable code, act or regulation that pertains to a specific tool

2. Acknowledge & apply instructions.
Potential Elements of the Performance:
 - Identify proper method of threading pipe
 - Identify proper methods of joining cast iron
 - identify proper methods of joining copper tube
 - Identify proper methods of joining plastic pipe
 - identify problems associated with threading, soldering, welding and solvent welding of piping system components

III. TOPICS:

1. Safety
 - (a) Self
 - (b) Others
 - (c) Shop
2. Proper and Safe Use of Hand Tools (Demonstration)
3. Proper and Safe Use of Power Tools (Demonstration)
4. Threading Practice
5. Soldering Practice
6. Solvent Welding
7. Shop Projects

IV. REQUIRED RESOURCES/TEXTS/MATERIALS:

CSA Approved (Impact Resistant) Safety Glasses
 CSA Approved (High Top) Safety Boots
 Appropriate Workwear (i.e. coveralls/shop coat)
 Tape Measure

V. EVALUATION PROCESS/GRADING SYSTEM:

Final shop grade to be assigned as follows:

Shop Assignments	60%
Attendance	20%
Attitude	20%

The following semester grades will be assigned to students in postsecondary courses:

<u>Grade</u>	<u>Definition</u>	<u>Grade Point Equivalent</u>
A	85 - 100%	
B	75 - 84%	
C	60 - 74%	
D	50 - 59%	
FAIL	0 - 49%	

VI. SPECIAL NOTES:Special Needs:

If you are a student with special needs (e.g. physical limitations, visual impairments, hearing impairments, or learning disabilities), you are encouraged to discuss required accommodations with your instructor and/or the Special Needs office. Visit Room E1204 or call Extension 493, 717, or 491 so that support services can be arranged for you.

Retention of course outlines:

It is the responsibility of the student to retain all course outlines for possible future use in acquiring advanced standing at other postsecondary institutions.

Plagiarism:

Students should refer to the definition of “academic dishonesty” in *Student Rights and Responsibilities*. Students who engage in “academic dishonesty” will receive an automatic failure for that submission and/or such other penalty, up to and including expulsion from the course/program, as may be decided by the professor/dean. In order to protect students from inadvertent plagiarism, to protect the copyright of the material referenced, and to credit the author of the material, it is the policy of the department to employ a documentation format for referencing source material.

Course outline amendments:

The Professor reserves the right to change the information contained in this course outline depending on the needs of the learner and the availability of resources.

Substitute course information is available in the Registrar's office.

VII. PRIOR LEARNING ASSESSMENT:

Students who wish to apply for advanced credit in the course should consult the professor. Credit for prior learning will be given upon successful completion of a challenge exam or portfolio.

VIII. DIRECT CREDIT TRANSFERS:

Students who wish to apply for direct credit transfer (advanced standing) should obtain a direct credit transfer form from the Dean's secretary. Students will be required to provide a transcript and course outline related to the course in question.