

I. COURSE DESCRIPTION:

This curriculum has been designed to provide the student with the information required for an introduction to the plumber and steamfitter trades in a variety of topics.

II. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:

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

1. Read and review various handout material
Potential Elements of the Performance:
 - identify, interpret and apply applicable acts, codes, and regulations pertaining to health and safety, construction safety and piping systems.
2. Read and review piping system information for plumber & steamfitter trades
Potential Elements of the Performance:
 - identify pipe material
 - identify pipe fittings
 - identify valves
 - identify hangers & supports
 - identify equipment
3. Read and understand Plumbing Systems:
Potential Elements of the Performance:
 - identify plumbing drainage systems
 - identify plumbing venting systems
 - identify potable water systems
4. Review fixture brochures:
Potential Elements of the Performance:
 - identify plumbing fixtures
 - describe installation practices

5. Read and review handout material on heating systems:
Potential Elements of the Performance:
 - identify & describe heating systems (Hydronic Heating Systems)
 - identify & describe components used in hot water heating systems
 - identify & describe steam heating systems
 - identify & describe components used in steam heating systems

6. Read and review handout material on boilers:
Potential Elements of the Performance:
 - identify & describe hot water boilers & components
 - Identify & describe steam boilers & components

III. TOPICS:

1. Safety in Rigging
2. Piping Materials
3. Methods of Joining
4. Drainage Systems
5. Venting Systems
6. Potable Water Systems
7. Hot Water Heating Systems
8. Steam Heating Systems
9. Part 7 of the Ontario Building Code

IV. REQUIRED RESOURCES/TEXTS/MATERIALS:

Handout material from instructor

V. EVALUATION PROCESS/GRADING SYSTEM:

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.