

# PLMB 1001: PLUMBING PRACTICAL 1

---

Course outlines are reviewed annually as part of continual quality improvement. This course was last updated for the effective term below.

**Effective Term**

Fall 2020

**Full Course Title**

Plumbing Practical 1

**Academic Level**

Post Secondary

**Subject Code**

PLMB - PS Plumbing

**Course Number**

1001

**Grade Mode**

Numeric

**PLAR Applicable**

Yes

**Total Hours**

42

**Course Description**

In this course, students learn the safe handling of plumbing tools, materials and equipment. In the "hands on" practical portion, students measure, cut, and make a quality joint for a variety of plumbing pipe materials and fittings, including steel, cast iron, copper and various plastics using appropriate tools in a safe manner. Skills learned from the other related courses in the program assist students in layout and assembling of a simple residential drainage, waste and vent system or part of such system either alone or with a partner.

**Course Content**

- Safe and proper use of power tools and hand tools
- Calculation, construction and testing of different piping material projects
- Design, calculation, assembly and testing of simple residential drainage waste and vent systems

**Course Evaluation**

The passing grade for this course is 50% unless otherwise noted below. The evaluation is comprised of:

- Assignments 20%
- Practical projects 60%
- Shop evaluation 20%

Tests/examinations/assignments must be written/submitted at the time specified. Requests for adjustments to that schedule must be made before the test/exam/assignment date to the faculty member. Failure to do so will result in a mark of "0", unless an illness/emergency can be proven with appropriate documentation at no cost to the College.

The passing grade for all courses is 50%, or letter grade of P (Pass) or S (Satisfactory) unless otherwise noted below. The passing weighted average for promotion through each semester of a program is 60% and is a requirement to graduate.

**Academic Appeal**

Students at Georgian College can appeal the following:

- A mark on an assignment, test, examination or work-integrated learning term
- Missing or incorrect assessment information on a grade report and/or transcript
- A charge of academic misconduct

**Note:** Students cannot appeal a final grade. It is the academic work that is appealable leading to the final grade i.e. final test, exam or assignment.

Refer to Academic Regulations 9.2 Academic Appeal for further details.

### Course Learning Outcomes

Upon successful completion of this course, the student has reliably demonstrated the ability to:

1. choose the required personal protective equipment (PPE) for a specific task;

This learning outcome meets the following Essential Employability Skill(s):

EES4: Approaches to problem solving  
EES5: Critical thinking to solve problems  
EES7: Application of research and information  
EES9: Interaction and collaboration  
EES11: Responsibility for actions

#### Evaluation

Reinforced  
Assessed

---

Upon successful completion of this course, the student has reliably demonstrated the ability to:

2. select the proper power tools and/or hand tools for the required job;

This learning outcome meets the following Essential Employability Skill(s):

EES9: Interaction and collaboration  
EES10: Time and resource management

#### Evaluation

Introduced  
Assessed

---

Upon successful completion of this course, the student has reliably demonstrated the ability to:

3. measure, cut and assemble different types of pipe;

This learning outcome meets the following Essential Employability Skill(s):

EES3: Numeracy  
EES4: Approaches to problem solving  
EES5: Critical thinking to solve problems  
EES9: Interaction and collaboration  
EES10: Time and resource management  
EES11: Responsibility for actions

#### Evaluation

Introduced  
Assessed

---

Upon successful completion of this course, the student has reliably demonstrated the ability to:

4. use drainage terminology and definitions;

This learning outcome meets the following Essential Employability Skill(s):

EES1: Communication  
EES2: Response to communication  
EES8: Respect for others  
EES9: Interaction and collaboration  
EES11: Responsibility for actions

#### Evaluation

Reinforced  
Assessed

---

Upon successful completion of this course, the student has reliably demonstrated the ability to:

5. plan and design a simple residential bathroom group drainage, waste and vent system;

**This learning outcome meets the following Essential Employability Skill(s):**

EES1: Communication  
EES3: Numeracy  
EES4: Approaches to problem solving  
EES5: Critical thinking to solve problems  
EES6: Organization of information  
EES9: Interaction and collaboration  
EES10: Time and resource management  
EES11: Responsibility for actions

**Evaluation**

Reinforced  
Assessed

---

**Upon successful completion of this course, the student has reliably demonstrated the ability to:**

6. install and test a drain waste and venting system rough-in.

**This learning outcome meets the following Essential Employability Skill(s):**

EES1: Communication  
EES10: Time and resource management  
EES11: Responsibility for actions

**Evaluation**

Introduced  
Assessed

---

Key: 24180