

# CABT 1010: HAND AND POWER TOOLS

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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**

Hand and Power Tools

**Academic Level**

Post Secondary

**Subject Code**

CABT - PS Cabinetmaking

**Course Number**

1010

**Grade Mode**

Numeric

**PLAR Applicable**

No

**Explain why this course is not eligible for Prior Learning Assessment and Recognition:**

This course is the foundation of safety training. It sets expectations for safe practice and is linked to the lab classes where students practice and complete safety training. Inexperienced students acquire foundational training in safe practices, and experienced students are exposed to practices proven to minimize risk in repeated operations.

**Total Hours**

42

**Course Description**

In this course students are introduced to hand and power tools required for the cabinetmaking trade. Students learn to identify, explain and demonstrate the procedure for the care and safe use of a variety of hand and power tools that are appropriate for a given task.

**Course Content**

- Occupational Health and Safety Act
- Band saws
- Drill Presses
- Layout tools
- Boring and cutting tools
- Fastening, gluing, and clamping tools
- Sanders
- Saws, drills, and drivers
- Planes, routers, and plate joiners
- Jointers and thickness planers
- Table saws and panel saw

**Course Evaluation**

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

Assignments 50%

Tests 50%

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. relate the Occupational Health and Safety Act to cabinetmaking;

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

EES2: Response to communication  
EES10: Time and resource management  
EES11: Responsibility for actions

#### Evaluation

Introduced  
Assessed

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

2. discuss terms associated with hand and power tools;

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

EES1: Communication  
EES2: Response to communication

#### Evaluation

Introduced  
Assessed

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

3. summarize procedures for care and safe use of tools;

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

EES1: Communication  
EES2: Response to communication  
EES10: Time and resource management

#### Evaluation

Introduced  
Assessed

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

4. describe the selection, use and maintenance of tools;

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

EES1: Communication  
EES2: Response to communication  
EES10: Time and resource management

**Evaluation**

Introduced  
Assessed

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

5. examine the process of grinding and honing chisels and plane irons;

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

EES1: Communication  
EES2: Response to communication  
EES10: Time and resource management

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**Evaluation**

Introduced  
Assessed

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

6. read graduations on measuring tools;

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

EES1: Communication  
EES3: Numeracy  
EES10: Time and resource management

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**Evaluation**

Introduced  
Assessed

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

7. sequence the breakout, gluing, and clamping operations in the cabinet industry.

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

EES1: Communication  
EES10: Time and resource management

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**Evaluation**

Introduced  
Assessed

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Key: 2526