



9178

CABINETMAKING TOOLS AND  
EQUIPMENT (11A)

30S/30E/30M

A Cabinet and Furniture Making Course



# 9178: CABINETMAKING TOOLS AND EQUIPMENT (11A) 30S/30E/30M

## Course Description

**This course is a continuation of 9177.** Students will learn more advanced operations of tools and equipment, along with their set-up and maintenance, while completing a project.

---

**Goal 1:** Describe and apply **health and safety** practices.

**GLO 1.1:** Describe and apply **health and safety** practices.

- SLO 11A.1.1.1: Describe and apply health and safety practices.
- SLO 11A.1.1.2: Create and maintain a safe and organized working environment.
- SLO 11A.1.1.3: Identify safety and health requirements. (A2.1)
- SLO 11A.1.1.4: Identify ergonomics. (A2.7)
- SLO 11A.1.1.5: Identify hazard recognition and control measures. (A2.8)
- SLO 11A.1.1.6: Identify first aid/cardiopulmonary resuscitation (CPR) requirements and techniques. (A2.10)

---

**Goal 2:** Demonstrate an understanding of the characteristics of **materials**.

**GLO 2.1:** Demonstrate an understanding of the characteristics of **materials**.

No applicable SLOs.

---

**Goal 3:** Demonstrate the storage, selection, use, and management of **materials, fasteners, adhesives, and hardware**.

**GLO 3.1:** Demonstrate the storage, selection, use, and management of **materials**.

- SLO 11A.3.1.1: Demonstrate the storage, selection, use, and management of materials.
-

**GLO 3.2:** Demonstrate the storage, selection, use, and management of **fasteners**.

No applicable SLOs.

---

**GLO 3.3:** Demonstrate the storage, selection, use, and management of **adhesives**.

No applicable SLOs.

---

**GLO 3.4:** Demonstrate the storage, selection, use, and management of **hardware**.

SLO 11A.3.4.1: Demonstrate the storage, selection, use, and management of hardware.

---

**Goal 4:** Demonstrate the identification, selection, operation, and maintenance of **tools and equipment**.

**GLO 4.1:** Demonstrate the identification, selection, operation, and maintenance of **tools and equipment**.

SLO 11A.4.1.1: Demonstrate the identification, selection, operation, and maintenance of tools and equipment.

SLO 11A.4.1.2: Describe the use, selection, and maintenance of tools and equipment. (A3.1)

SLO 11A.4.1.3: Identify hand tools and describe their use, selection, and maintenance. (A3.2)

SLO 11A.4.1.4: Identify portable power tools and describe their use, selection, and maintenance. (A3.3)

SLO 11A.4.1.5: Identify stationary power tools and describe their use, selection, and maintenance. (A3.4)

SLO 11A.4.1.6: Describe electrical power supply considerations in maintaining and troubleshooting cabinet-shop tools and equipment. (A3.5)

SLO 11A.4.1.7: Demonstrate the safe use, selection, and maintenance of trade-related hand and power tools and equipment and stationary machines on an assigned project. (A3.6)

---

---

**Goal 5:** Demonstrate the ability to interpret **blueprints** and to produce **drawings and layouts**.

**GLO 5.1:** Demonstrate the ability to interpret **blueprints** and to produce **drawings and layouts**.

SLO 11A.5.1.1: Demonstrate the ability to produce drawings and layouts.

---

**Goal 6:** Demonstrate knowledge and skills related to **joinery and casework**.

**GLO 6.1:** Demonstrate knowledge and skills related to **joinery and casework**.

No applicable SLOs.

---

**Goal 7:** Demonstrate knowledge and skills related to **finishing**.

**GLO 7.1:** Demonstrate knowledge and skills related to **finishing**.

No applicable SLOs.

---

**Goal 8:** Demonstrate knowledge and skills related to **installation**.

**GLO 8.1:** Demonstrate knowledge and skills related to **installation**.

No applicable SLOs.

---

**Goal 9:** Describe and apply transferable **cross-curricular knowledge and skills** as they relate to cabinet and furniture making.

**GLO 9.1:** Demonstrate knowledge and skills from **mathematics** as they relate to cabinet and furniture making.

No applicable SLOs.

---

**GLO 9.2:** Demonstrate knowledge and skills from **information and communication technology** as they relate to cabinet and furniture making.

SLO 11A.9.2.1: Describe basic computer components and programs and their functions. (C4.1)

---

---

**Goal 10:** Follow the **ethical and legal standards** that pertain to cabinet and furniture making.

**GLO 10.1:** Demonstrate an awareness of the **ethical and legal expectations** of cabinet and furniture makers.

SLO 11A.10.1.1: Define and discuss ethics.

---

**Goal 11:** Demonstrate **employability skills**.

**GLO 11.1:** Demonstrate fundamental **employability skills**.

SLO 11A.11.1.1: Demonstrate regular attendance and punctuality.

SLO 11A.11.1.2: Demonstrate accountability by taking responsibility for own actions.

SLO 11A.11.1.3: Demonstrate adaptability and effort.

SLO 11A.11.1.4: Demonstrate the ability to accept and follow direction and feedback.

SLO 11A.11.1.5: Demonstrate teamwork skills.

SLO 11A.11.1.6: Demonstrate the ability to stay on task and to use time effectively.

SLO 11A.11.1.7: Demonstrate the responsible use of electronic devices.

---

**GLO 11.2:** Demonstrate **critical thinking skills**.

SLO 11A.11.2.1: Demonstrate problem-solving skills.

---

**GLO 11.3:** Demonstrate respectful interactions with individuals of different **cultures**.

SLO 11A.11.3.1: Demonstrate an awareness of cultural differences.

---

**Goal 12:** Demonstrate an awareness of **sustainability** as it pertains to cabinet and furniture making.

**GLO 12.1:** Describe the cabinet and furniture making industry's **sustainability practices** and their impact on the **environment**.

No applicable SLOs.

---

---

**Goal 13:** Demonstrate an understanding of the **structure and scope** of cabinet and furniture making, including **education and career opportunities** and **working environments**.

**GLO 13.1:** Describe the **scope** of cabinet and furniture making.

No applicable SLOs.

---

**GLO 13.2:** Describe **apprenticeship, education, and employment opportunities** and **working environments** in cabinet and furniture making.

No applicable SLOs.

---

**Goal 14:** Demonstrate an understanding of the **evolution** of cabinet and furniture making, including its **technological progression and emerging trends**.

**GLO 14.1:** Demonstrate an understanding of the **evolution** of cabinet and furniture making, including its **technological progression and emerging trends**.

No applicable SLOs.

---

