



9181

CABINETS (11C)

30S/30E/30M

A Cabinet and Furniture Making Course



# 9181: CABINETRY (11C)

## 30S/30E/30M

### Course Description

In this course, students will be introduced to the construction of residential cabinetry. Students will learn about cabinetmaking materials, fasteners, adhesives, and hardware while constructing a basic cabinet that incorporates a drawer and a door.

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

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

SLO 11C.1.1.1: Describe and apply health and safety practices.

SLO 11C.1.1.2: Create and maintain a safe and organized working environment.

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

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

SLO 11C.2.1.1: Describe the materials of cabinetmaking and their preferred uses. (D1.1)

SLO 11C.2.1.2: Explain wood technology concepts in relation to cabinetmaking practice. (D1.2)

SLO 11C.2.1.3: Explain the classification and dimensioning of wood and wood products. (D1.3)

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**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 11C.3.1.1: Demonstrate the storage, selection, use, and management of materials.

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

SLO 11C.3.2.1: Identify threaded and non-threaded fasteners and their preferred uses. (D2.1)

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

SLO 11C.3.3.1: Identify adhesive products and their preferred uses. (D2.2)

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

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

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**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 11C.4.1.1: Demonstrate the identification, selection, operation, and maintenance of tools and equipment.

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**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 11C.5.1.1: Demonstrate the ability to produce drawings and layouts required to construct a cabinet that incorporates a drawer and a door.

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

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

SLO 11C.6.1.1: Demonstrate an understanding of joints used in casework.

SLO 11C.6.1.2: Demonstrate the ability to cut joints using power equipment.

SLO 11C.6.1.3: Explain machining and assembly practices in basic casework. (E1.4)

SLO 11C.6.1.4: Demonstrate the knowledge and skills required to construct a cabinet that incorporates a drawer and a door.

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

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

SLO 11C.7.1.1: Demonstrate an awareness of finishes.

SLO 11C.7.1.2: Demonstrate the ability to apply at least one type of finish.

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

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

SLO 11C.8.1.1: Demonstrate the knowledge and skills required to install cabinets.

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**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.

SLO 11C.9.1.1: Review general mathematics concepts and the use of an electronic calculator. (B1.1)

SLO 11C.9.1.2: Perform specified trade-related calculations. (B1.2)

SLO 11C.9.1.3: Demonstrate the ability to work in imperial (or standard) and metric measurements.

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

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

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**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 11C.10.1.1: Discuss the place of ethics in the workplace.

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

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

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

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

SLO 11C.11.1.3: Demonstrate adaptability and effort.

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

SLO 11C.11.1.5: Demonstrate teamwork skills.

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

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

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

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

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

No applicable SLOs.

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**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**.

SLO 11C.12.1.1: Demonstrate the efficient use of materials.

SLO 11C.12.1.2: Demonstrate the ability to reuse materials.

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**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.

SLO 11C.13.1.1: Describe the structure and scope of the cabinetmaker trade. (A1.1)

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

No applicable SLOs.

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**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**.

SLO 11C.14.1.1: Demonstrate an understanding of the evolution of cabinetmaking, including its technological progression and emerging trends.

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