



9183

ADVANCED CABINETRY (12B)

40S/40E/40M

A Cabinet and Furniture Making Course



# 9183: ADVANCED CABINETRY (12B) 40S/40E/40M

## Course Description

**This course is a continuation of 9181.** Students will design a kitchen and participate in the construction of a set of cabinets.

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

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

SLO 12B.1.1.1: Describe and apply health and safety practices.

SLO 12B.1.1.2: Create and maintain a safe and organized working environment.

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**GLO 1.2:** Demonstrate knowledge of the ***Trade Safety Awareness Manual***.

No applicable SLOs.

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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 12B.2.1.1: Demonstrate an understanding of the characteristics of woods and wood products used in cabinetry.

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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 12B.3.1.1: Select appropriate wood and wood products based on their characteristics and the requirements of the project.

SLO 12B.3.1.2: Explain the manufacture and use of plastic laminates (high pressure decorative laminate—HPDL) and solid-surface materials. (D1.4)

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

SLO 12B.3.2.1: Demonstrate the selection and use of fasteners.

SLO 12B.3.2.2: Select appropriate fasteners based on their characteristics and the requirements of the project.

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

SLO 12B.3.3.1: Demonstrate the selection and use of adhesives.

SLO 12B.3.3.2: Select appropriate adhesives based on their characteristics and the requirements of the project.

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

SLO 12B.3.4.1: Demonstrate the selection and use of hardware.

SLO 12B.3.4.2: Select appropriate hardware based on their characteristics and the requirements of the project.

SLO 12B.3.4.3: Identify the use and variation of specified cabinetmaking hardware. (D2.3)

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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 12B.4.1.1: Demonstrate the selection, operation, and maintenance of tools and equipment.

SLO 12B.4.1.2: 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)

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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 12B.5.1.1: Demonstrate the knowledge and skills required to produce drawings and layouts, create cutting lists, and estimate costs.

SLO 12B.5.1.2: Demonstrate the ability to design a kitchen.

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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 12B.6.1.1: Complete a casework project, as assigned. (E1.5)

SLO 12B.6.1.2: Demonstrate the knowledge and skills required to participate in the construction of a set of cabinets.

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

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

No applicable SLOs.

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

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

SLO 12B.8.1.1: Describe packaging and shipping procedures. (F1.1)

SLO 12B.8.1.2: Describe installation requirements and procedures. (F1.2)

SLO 12B.8.1.3: Demonstrate casework packaging, shipping, and installation procedures. (F1.3)

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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.

No applicable SLOs.

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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 12B.9.2.1: Demonstrate the ability to work with computers in processing operations, sending and receiving email, producing spreadsheets, conducting Internet searches, and producing computer-aided design (CAD) drawings. (C4.3)

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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 12B.10.1.1: Demonstrate an awareness of building-code requirements related to cabinetry.

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

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

SLO 12B.11.1.1: Demonstrate regular attendance and punctuality.

SLO 12B.11.1.2: Demonstrate accountability by taking responsibility for own actions.

SLO 12B.11.1.3: Demonstrate adaptability and effort.

SLO 12B.11.1.4: Demonstrate the ability to accept and follow direction and feedback.

SLO 12B.11.1.5: Demonstrate the skills required to participate in the construction of a set of cabinets as part of a team.

SLO 12B.11.1.6: Demonstrate the ability to stay on task and to use time effectively.

SLO 12B.11.1.7: Demonstrate the responsible use of electronic devices.

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

SLO 12B.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**.

No applicable SLOs.

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**GLO 12.2:** Describe the impact of **sustainability** on the **health and well-being** of cabinet and furniture makers.

No applicable SLOs.

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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 12B.13.1.1: Demonstrate an awareness of the scope of the cabinetmaking industry.

SLO 12B.13.1.2: Demonstrate an awareness of the scope of the cabinetmaking industry in the local area.

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

SLO 12B.13.2.1: Demonstrate an awareness of employment opportunities in cabinetmaking.

SLO 12B.13.2.2: Demonstrate an awareness of local employment opportunities in cabinetmaking.

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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 12B.14.1.1: Discuss the evolution of cabinetmaking, including its technological progression and emerging trends.

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