



9185

ADVANCED FURNITURE
MAKING (12C)

40S/40E/40M

A Cabinet and Furniture Making Course

9185: ADVANCED FURNITURE MAKING (12C) 40S/40E/40M

Course Description

This course is a continuation of 9182. Students will complete an advanced furniture-making project of their own design.

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

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

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

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

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

No applicable SLOs.

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

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

SLO 12C.2.1.1: Demonstrate an understanding of the characteristics of woods and wood products used in furniture making.

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

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

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

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

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

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

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

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

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

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

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

SLO 12C.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)

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

SLO 12C.5.1.2: Demonstrate the ability to initiate and complete a project, including the design, drawings, layouts, and cutting lists.

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

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

SLO 12C.6.1.1: Determine the joinery required for a project.

SLO 12C.6.1.2: Demonstrate the knowledge and skills required to cut the joints for a project.

SLO 12C.6.1.3: Demonstrate the knowledge and skills required to complete an advanced furniture-making project.

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

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

SLO 12C.7.1.1: Demonstrate an awareness of furniture refinishing practices.

SLO 12C.7.1.2: Demonstrate an awareness of furniture upholstery practices.

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.

No applicable SLOs.

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.

No applicable SLOs.

Goal 11: Demonstrate **employability skills**.

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

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

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

SLO 12C.11.1.3: Demonstrate adaptability and effort.

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

SLO 12C.11.1.5: Demonstrate teamwork skills.

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

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

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

SLO 12C.11.2.1: Demonstrate problem-solving skills.

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

No applicable SLOs.

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 12C.12.1.1: Demonstrate an awareness of sustainability factors related to the source/procurement of wood and wood products (e.g., products obtained from local sources or transported over long distances, resources produced and manufactured in a sustainable manner).

SLO 12C.12.1.2: Demonstrate an awareness of local sawmills.

SLO 12C.12.1.3: Demonstrate an awareness of local sources of reclaimed wood.

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

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.

SLO 12C.13.1.1: Demonstrate an awareness of the scope of the furniture making industry.

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

SLO 12C.13.2.1: Demonstrate an awareness of employment opportunities in furniture making, furniture repair and refinishing, and upholstery.

SLO 12C.13.2.2: Demonstrate an awareness of local employment opportunities in furniture making, furniture repair and refinishing, and upholstery.

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 12C.14.1.1: Discuss the evolution of furniture making, furniture repair and refinishing, and upholstery, including their technological progression and emerging trends.
