

ATFL-1720: SHEET GOODS - GEOMETRIC LAYOUT AND INLAY

Cuyahoga Community College

Viewing: ATFL-1720 : Sheet Goods - Geometric Layout and Inlay

Board of Trustees:

September 2025

Academic Term:

Fall 2025

Subject Code

ATFL - Appld Indus Tech - Floorlaying

Course Number:

1720

Title:

Sheet Goods - Geometric Layout and Inlay

Catalog Description:

Study of advanced floorlaying techniques used in layout and installation of sheet goods in specialty situations including geometric shapes and producing templates.

Credit Hour(s):

2

Lecture Hour(s):

2

Requisites

Prerequisite and Corequisite

ATFL-1650 Sheet Goods - Flash Coving or concurrent enrollment, and ATFL-1450 Floorlaying Concepts or concurrent enrollment; or departmental approval: Admissions to Floorlaying Technology apprenticeship program.

Outcomes

Course Outcome(s):

Identify shapes, select appropriate tools, prepare layout, and install sheet goods according to designs and special templates in accordance with jobsite specifications and established safety procedures.

Objective(s):

1. Identify geometric shapes.
2. Identify and describe function of specialty tools/equipment.
3. Prepare the layout for standard geometric shapes.
4. Demonstrate safe use of specialty hand tools.
5. Demonstrate the installation of floor designs and templates.

Course Outcome(s):

Produce special templates for respective designs.

Objective(s):

1. Use overhead projector to trace templates and letter stencils.
 2. Freehand sketch templates/designs.
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Methods of Evaluation:

1. Quizzes
2. Exams
3. Classroom participation
4. Completion of assigned projects

Course Content Outline:

1. Concepts
 - a. Sheet goods and related manufacturing process.
 - b. Math concepts for estimating material requirements.
 - c. Blueprint reading.
 - d. Cutting and trimming tools used in sheet goods installations.
 - e. Moisture testing.
 - f. Subflooring requirements.
 - g. Seaming requirements
 - h. Floor design installation techniques
 - i. Template installation techniques
 - j. Geometric Shapes
 - k. Functions of specialty tools and equipment
 - l. Safety procedures
 - m. Pattern matching techniques
2. Skills
 - a. Reading blueprints for room location, color and seam layout.
 - b. Estimating material requirements-square yardage.
 - c. Calculating length of sheets to be installed.
 - d. Preparing subfloor.
 - e. Installing transition strips.
 - f. Cutting materials.
 - g. Matching pattern and prepare seams.
 - h. Installing sheet goods.
 - i. Underscribing or welding seams if applicable.
 - j. Operating overhead projector.
 - k. Using letter stencils
 - l. Tracing templates
 - m. Freehand sketching template designs

Resources

Carpenters International Training Fund. *Standard Skills for Floor Coverers: Part 1*. Carpenters International Training Fund, Las Vegas, NV, 2012.

Carpenters International Training Fund. *Standard Skills for Floor Coverers: Part 2*. Carpenters International Training Fund, Las Vegas, NV, 2012.

Carpenters International Training Fund. *Resilient 1*. Carpenters International Training Fund, Las Vegas, NV, 2012.

Carpenters International Training Fund. *Resilient 2*. Carpenters International Training Fund, Las Vegas, NV, 2016.

Resources Other

[Carpenter's International Training Fund. https://www.carpenters.org/citf-training/](https://www.carpenters.org/citf-training/) ; 2024.

Key: 337