

# ATFL-1720: SHEET GOODS - GEOMETRIC LAYOUT AND INLAY

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## Cuyahoga Community College

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

**Board of Trustees:**

2006-11-20

**Academic Term:**

Spring 2019

**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: admission to any Applied Industrial Technology 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.

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**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**

United Brotherhood of Carpenters Apprenticeship and Training Fund of North America. *Floorlaying Standard Skills*. Las Vegas: United Brotherhood of Carpenters Apprenticeship and Training Fund of North America, 2003.

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United Brotherhood of Carpenters Apprenticeship and Training Fund of North America. *Floorlaying Resilient Skills I*. Las Vegas: United Brotherhood of Carpenters Apprenticeship and Training Fund of North America, 2003.

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United Brotherhood of Carpenters Apprenticeship and Training Fund of North America. *Floorlaying Resilient Skills II*. Las Vegas: United Brotherhood of Carpenters Apprenticeship and Training Fund of North America, 2003.

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Armstrong Flooring. *Guaranteed Installation Systems 2004/2005*. Cleveland: AWI Licensing Company, 2004.

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Forbo Linoleum Inc. *Installation Manual*. {ts '2004-03-01 00:00:00'}.

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