Department:

Building Trades

Course Description:

This course focuses on the materials, techniques, and skills needed to finish the interior of a home. The course will cover insulation and moisture protection, finishing walls, ceilings, and floors, and cabinetry.

Course Competencies:

Upon completion of the course, the student should be able to:

1. Install and complete thermal and moisture protection for a home:
   a. List and explain the requirements for insulation.
   b. Describe the characteristics of various types of insulation materials.
   c. Calculate the required amounts of insulation for a structure.
   d. Install selected insulation materials.
   e. List and explain the requirements for moisture control and ventilation.
   f. Install selected vapor barriers.
   g. Describe various methods of waterproofing.
   h. List and explain air infiltration control requirements.
   i. Install selected building wraps.
   j. Identify various properties of cement.

2. Complete interior wall and ceiling finish for a home:
   a. Explain the differences between the six levels of finish established by industry standards.
   b. Identify the hand tools used in drywall finishing.
   c. Identify the materials used in drywall finishing.
   d. Properly finish drywall using hand tools.
   e. Describe problems that can occur in drywall finishes.
   f. Patch damaged drywall.
   g. Apply painted finishes.
   h. Apply lacquers and varnishes.

3. Complete floor finish for a home:
   a. Identify various types of floor finishes, including sizes and grades.
   b. Determine the number of board feet of strip flooring needed to cover a given area.
   c. Install resilient tile.
   d. Identify various types of self-adhering tiles.
   e. Install ceramic tile.

4. Construct and install cabinets for a home:
   a. Identify the parts of a manufactured cabinet.
   b. Identify woods and materials used in cabinet construction.
c. Identify hardware used in constructing cabinets.
d. Install cabinets.

Course Content:

A. Thermal and Sound Insulation  
B. Interior Wall and Ceiling Finish  
C. Finish Flooring  
D. Cabinetmaking

Learning Assessments:

Course competencies will be assessed by participation in class discussion and activities, examinations, assignments, and class attendance. Instructional Materials:


Guidelines for Requesting Accommodations Based on Documented Disability or Medical Condition

It is the intention of Highland Community College to work toward full compliance with the Americans with Disabilities Act, to make instructional programs accessible to all people, and to provide reasonable accommodations according to the law.

Students should understand that it is their responsibility to self-identify their need(s) for accommodation and that they must provide current, comprehensive diagnosis of a specific disability or medical condition from a qualified professional in order to receive services. Documentation must include specific recommendations for accommodation(s). Documentation should be provided in a timely manner prior to or early in the semester so that the requested accommodation can be considered and, if warranted, arranged.

In order to begin the process all students must complete the “Disabilities Self-Identification Form” at this link: https://highlandcc.edu/pages/disability-services.

This form can also be accessed at the Highland Community College homepage under Students Services/Student Resources/Disability Service or by contacting the Disabilities Coordinator.