

Department:

Construction Trades Division; Construction Technology Program

Course Description:

The attractiveness of a home is often determined by the quality of its finish. Care needs to be taken in selecting the materials to finish the interior of the home. This course describes the various materials used for insulating the home, finishing the walls and ceilings, and cabinetry.

Course Competencies:

The learning outcomes and competencies detailed in this syllabus meet or exceed the learning outcomes and competencies specified by the Kansas Core Outcomes Groups for this course as approved by the Kansas Board of Regents.

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

1. Drywall Installation
 - a. Identify the components of drywall assembly.
 - i. List the types of gypsum products.
 - ii. Identify drywall fasteners and list their uses.
 - iii. Identify drywall accessories and state their application.
 - b. Describe the Installation of drywall.
 - i. Describe the purpose of a finish schedule.
 - ii. List the tools used for drywall applications.
 - iii. Identify methods of sound-isolation construction
 - iv. Describe the procedure for drywall construction.
 - v. List special applications for drywall.
 - c. Contrast rated assemblies to nonrated assemblies.
 - i. Describe single-ply drywall application.
 - ii. Describe how fire-rated walls are constructed.
 - iii. List multi-ply drywall applications.
 - iv. Describe how to prioritize walls.
 - d. Identify how to calculate a quantity takeoff for proper drywall installation.
 - e. Install drywall panels on a stud wall and a ceiling using the following fastening systems: nails, screws, adhesives.
2. Drywall Finishing
 - a. Identify the difference between the six levels of finish established by industry standards.
 - b. Identify the different materials for proper drywall finishing.
 - i. Describe how to select the proper trim.
 - ii. Describe the purposes of tapes, compounds, coatings, and sanding materials.
 - c. Identify the proper tools used in drywall finishing.
 - i. Identify the hand tools used in drywall finishing.
 - ii. Identify the automatic tools used in drywall finishing.
 - d. Describe proper drywall finishing procedures.

- i. Identify ideal site conditions for drywall finishing.
 - ii. Identify various types of problems that occur in drywall finishes.
 - e. Explain how to estimate the proper amount of drywall finishing materials.
 - f. Properly apply a corner bead, tape, and finish to a drywall panel.
 - g. Patch damaged drywall.
 - h. Apply painted finishes.
 - i. Apply lacquers and varnishes.
3. Cabinet Installation
 - a. Describe the safety hazards when installing cabinets.
 - b. Identify different types of cabinets – including wall cabinets and base cabinets.
 - c. Identify cabinet components and hardware and describe their purpose.
 - d. Explain how to lay out and install a basic set of cabinets.
 - e. Install cabinets.

Course Content:

- A. Drywall Installation
- B. Drywall Finishing
- C. Cabinet Installation

Learning Assessments:

Competencies will be assessed by assignments, case problems, quizzes, chapter tests, hands-on projects, lab assignments, a midterm test, and a final test. The test can be in the objective format or in a problem solving format.

Instructional Materials:

Textbook: NCCER. (2024). *Advanced Carpentry: Frame and Finish* (6th ed.). Boston, MA: Pearson. ISBN-13: 978-0138172435

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” on our [Disability Services website](#).

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.

A Note on Harassment, Discrimination and Sexual Misconduct

Highland Community College seeks to assure all community members learn and work in a welcoming and inclusive environment. Title VII, Title IX, and College policy prohibit harassment, discrimination and sexual misconduct. Highland Community College encourages anyone experiencing harassment, discrimination or sexual misconduct to talk to report to the Vice President for Student Services, the Human Resources Director or complete an [online report](#) about what happened so that they can get the support they need and Highland Community College can respond appropriately.

There are both confidential and non-confidential resources and reporting options available to you. Highland Community College is legally obligated to respond to reports of sexual misconduct, and therefore we cannot guarantee the confidentiality of a report, unless made to a confidential resource. Responses may vary from support services to formal investigations. As a faculty member, I am required to report incidents of sexual misconduct and thus cannot guarantee confidentiality. I must provide our Title IX coordinator with relevant details such as the names of those involved in the incident. For more information about policies and resources or reporting options, please review our [Equity Grievance Policy](#).