



Western Technical College

## 31410389 Interior Trim 2

### Course Outcome Summary

#### Course Information

<b>Description</b>	In this course, students will complete the interior finishing aspects of a residential structure to include: pre-hung door installation, door and window casing, base board, stair finishes, and cabinet and counter top installation. Students will perform these finishing operations by completing the interior trim work for a house on site.
<b>Career Cluster</b>	Architecture and Construction
<b>Instructional Level</b>	Technical Diploma Courses
<b>Total Credits</b>	3
<b>Total Hours</b>	108

#### Pre/Corequisites

Pre/Corequisite 31410321 Interior Trim 1

#### Textbooks

*Carpentry and Building Construction (Student Edition)*. 7th Edition. Copyright 2009. McGraw Hill Education. Publisher: McGraw-Hill Publishing Company. **ISBN-13:** 978-0-07-879784-2. Required.

#### Learner Supplies

Safety glasses with side eye protection that meet Z87 OSHA guidelines. **Vendor:** Campus Shop. Required.

Tools: Tool belt, 25' - 1" tape measure, 16 or 20 oz. hammer, speed square, chalk line, utility knife, wood chisels (1/4, 1/2, 3/4, 1"). **Vendor:** To be discussed in class. Required.

Proper work boots - \$35.00-75.00. **Vendor:** To be discussed in class. Required.

Scientific Calculator - \$20. **Vendor:** Campus Shop. Required.

## Experiential Learning

1. Community Based Learning Project: a key learning outcome of this course is to connect academic learning and civic development while simultaneously addressing a community partner's needs, interests, or problems.
2. Work-Based Learning: this course applies your learning to your desired profession by working in industry placements such as internships, practicums, clinicals, or co-ops.

## Course Competencies

### 1. Install a pre-hung interior door.

#### Assessment Strategies

- 1.1. On-the-job Performance
- 1.2. Self Assessment

#### Criteria

*You will know you are successful when:*

- 1.1. you fasten the door jamb within the rough opening square, plumb, and level, keeping both side jambs tight to the finish floor.
- 1.2. you hang the door on the installed jamb keeping a consistent margin between the door and the jamb on all three sides, ensuring a proper door swing without binding.
- 1.3. you install the proper door hardware, privacy or passage, maintaining proper door seating when latched.
- 1.4. you evaluate the fit and finish of the installed product.

#### Learning Objectives

- 1.a. Install a pre-hung door jamb.
- 1.b. Align a door within a pre-hung jamb.
- 1.c. Install door hardware.

### 2. Install door and window casing.

#### Assessment Strategies

- 2.1. On-the-job Performance
- 2.2. Self Assessment

#### Criteria

*You will know you are successful when:*

- 2.1. you apply door casing to door jamb and wall maintaining tight miters at the corners and a tight fit to finish flooring materials.
- 2.2. you apply window casing to window extension jambs and wall maintaining tight miters at all four corners.
- 2.3. you glue and nail all mitered joints and maintain a consistent nailing pattern on face of casing.
- 2.4. you evaluate the fit and finish of the installed product.

#### Learning Objectives

- 2.a. Install door casing.
- 2.b. Install window casing.

### 3. Install base board molding.

#### Assessment Strategies

- 3.1. On-the-job Performance
- 3.2. Self Assessment

## Criteria

*You will know you are successful when:*

- 3.1. you create a cope joint at all inside corners and a miter joint at outside corners to ensure a tight connection.
- 3.2. you splice long runs of baseboard together maintaining similar color and grain pattern.
- 3.3. you scribe base board to hard surface floors where needed.
- 3.4. you maintain a consistent nail pattern on the face of the molding.
- 3.5. you evaluate the fit and finish of the installed product.

## Learning Objectives

- 3.a. Cut a cope joint at all inside corners.
- 3.b. Fit base board molding to the profile of hard surface floors.
- 3.c. Apply base board to wall at floor location.

## 4. Install wall cabinets.

### Assessment Strategies

- 4.1. On-the-job Performance
- 4.2. Self Assessment

## Criteria

*You will know you are successful when:*

- 4.1. you install cabinets in the proper locations as indicated on the architectural drawings.
- 4.2. you securely fasten cabinets to the wall at the proper height, plumb, level, and square.
- 4.3. you fasten wall cabinets together maintaining a flush connection between the face frames.
- 4.4. you align all cabinet doors maintaining proper reveals and overlay.
- 4.5. you install door knobs at a consistent location on each door without damaging the doors.
- 4.6. you evaluate the fit and finish of the installed product.

## Learning Objectives

- 4.a. Locate the position of the wall cabinets as illustrated on the architectural drawings.
- 4.b. Fasten wall cabinets to the wall.
- 4.c. Fasten wall cabinets to each other.
- 4.d. Align cabinet doors.
- 4.e. Install cabinet door knobs.

## 5. Install base and vanity cabinets.

### Assessment Strategies

- 5.1. On-the-job Performance
- 5.2. Self Assessment

## Criteria

*You will know you are successful when:*

- 5.1. you position each base cabinet in the correct location as illustrated on the architectural drawings.
- 5.2. you determine the high spot in the floor and establish a level line on the wall to ensure a level finished elevation throughout the kitchen.
- 5.3. you fasten the base and vanity cabinets securely to the wall maintaining a level cabinet elevation.
- 5.4. you fasten the base cabinets together maintaining a flush connection between the face frames.
- 5.5. you align all cabinet doors and drawer fronts maintaining proper reveals and overlay.
- 5.6. you install finish toe-kick materials maintaining a tight tolerance to the floor.
- 5.7. you install cabinet door knobs and drawer pulls at a consistent location without damaging the doors and drawer fronts.
- 5.8. you evaluate the fit and finish of the installed product.

## Learning Objectives

- 5.a. Install base cabinets.
- 5.b. Install vanity cabinets.

## 6. Install laminate and solid surface counter tops.

### Assessment Strategies

- 6.1. On-the-job Performance
- 6.2. Self Assessment

**Criteria**

*You will know you are successful when:*

- 6.1. you will join laminate counter tops to create a tight, permanent connection at the splice.
- 6.2. you will scribe laminate and solid surface tops to fit the profile of the wall to within a 1/16" tolerance.
- 6.3. you will properly secure laminate countertop to installed section of base cabinets utilizing proper fasteners and fastening techniques.
- 6.4. you will secure solid surface vanity tops to installed vanity cabinet utilizing proper adhesives.
- 6.5. you will evaluate the fit and finish of the installed product.

**Learning Objectives**

- 6.a. Fit (scribe) the counter tops to the profile of the wall.
- 6.b. Combine (splice) counter top sections.
- 6.c. Install laminate countertops.
- 6.d. Install solid surface vanity tops.

**7. Install stair trim components.**

**Assessment Strategies**

- 7.1. On-the-job Performance
- 7.2. Self Assessment

**Criteria**

*You will know you are successful when:*

- 7.1. you install finish skirt boards between the stair case and stairwell wall maintaining a parallel line with the plane of the steps and proper terminations at the top and bottom of the staircase.
- 7.2. you fasten the finish risers and treads to the stair stringers utilizing proper adhesives and fasteners to eliminate squeaking.
- 7.3. you install the handrail parallel to the plane of the staircase maintaining a finished height and projection from the wall in accordance with the Uniform Dwelling Code and proper termination at the top and bottom of the staircase.
- 7.4. you evaluate the fit and finish of the installed products.

**Learning Objectives**

- 7.a. Install skirt boards.
- 7.b. Install handrail.
- 7.c. Install treads and risers.

**8. Install closet shelving.**

**Assessment Strategies**

- 8.1. On-the-job Performance
- 8.2. Self Assessment

**Criteria**

*You will know you are successful when:*

- 8.1. you install wall cleats at the appropriate elevation in a level plane using appropriate fastening techniques.
- 8.2. you fasten shelf supports and closet rod brackets in a level plane in order to provide adequate support for the shelving and closet rod.
- 8.3. you cut the shelf at the correct length to fit the profile of the wall without damaging the finished surface of the shelf.
- 8.4. you cut the closet rod to the correct length and fastens in to the brackets and supports.
- 8.5. you evaluate the fit and finish of the installed shelving system.

**Learning Objectives**

- 8.a. Install finished wall cleats.
- 8.b. Install shelf supports and closet rod brackets.
- 8.c. Install shelf.
- 8.d. Install closet rod.

