

Washtenaw Community College Comprehensive Report

CON 240 Construction - Advanced Finishes and Techniques Effective Term: Fall 2025

Course Cover

College: Advanced Technologies and Public Service Careers

Division: Advanced Technologies and Public Service Careers

Department: Heating, Ventilation and A/C

Discipline: Residential Construction Technology

Course Number: 240

Org Number: 14750

Full Course Title: Construction - Advanced Finishes and Techniques

Transcript Title: Advanced Finishes & Techniques

Is Consultation with other department(s) required: No

Publish in the Following: College Catalog , Time Schedule , Web Page

Reason for Submission: Reactivation

Change Information:

Course description

Outcomes/Assessment

Objectives/Evaluation

Other:

Rationale: With the resurgence of the construction industry, a new Construction Technology AAS degree is being proposed and will include this course. Job outlook is very strong compared to what it was when the course was discontinued.

Proposed Start Semester: Fall 2025

Course Description: In this course, students will develop advanced skills through hands-on training in interior finish carpentry, focusing on the precise installation of trim systems. Stair and handrail construction, crown molding, cabinetry detailing, and built-up trim applications are explored, with an emphasis on both safety and craftsmanship. Students will gain practical experience using professional-grade tools and techniques to achieve high-quality interior finishes, preparing students for specialized roles in residential and commercial carpentry.

Course Credit Hours

Variable hours: No

Credits: 3

Lecture Hours: Instructor: 15 Student: 15

Lab: Instructor: 60 Student: 60

Clinical: Instructor: 0 Student: 0

Total Contact Hours: Instructor: 75 Student: 75

Repeatable for Credit: NO

Grading Methods: Letter Grades

Audit

Are lectures, labs, or clinicals offered as separate sections?: NO (same sections)

College-Level Reading and Writing

College-level Reading & Writing

College-Level Math

No Level Required

Requisites**Prerequisite**

CON 205 minimum grade "C"

and

Prerequisite

Math Level 3

or

Prerequisite

MTH 157 or higher, minimum grade "C"

General Education**Request Course Transfer****Proposed For:****Student Learning Outcomes**

1. Install interior stair parts and interior handrail systems according to proper safety and quality standards.

Assessment 1

Assessment Tool: Outcome-related lab project

Assessment Date: Winter 2027

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Departmentally-developed rubric

Standard of success to be used for this assessment: 80% of students will score 80% or higher.

Who will score and analyze the data: Departmental faculty

2. Install crown and cabinet molding according to proper safety and quality standards.

Assessment 1

Assessment Tool: Outcome-related lab project

Assessment Date: Winter 2027

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Departmentally-developed rubric

Standard of success to be used for this assessment: 80% of students will score 80% or higher.

Who will score and analyze the data: Departmental faculty

3. Install built-up trim details according to proper safety and quality standards.

Assessment 1

Assessment Tool: Outcome-related lab project

Assessment Date: Winter 2027

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Departmentally-developed rubric

Standard of success to be used for this assessment: 80% of students will score 80% or higher.

Who will score and analyze the data: Departmental faculty

Course Objectives

1. Demonstrate the correct interpretation of building code for stair and handrail system installations.

2. Estimate approximate material usage for stair and handrail system installations.
3. Demonstrate proper safety procedures for stair and handrail system installations.
4. Demonstrate installation techniques for installing high-quality stair and handrail systems.
5. Explain the similarities and differences in crown, cabinet, built-up crown, and built-up cabinet molding.
6. Explain the various steps necessary in the production and installation of crown and cabinet molding.
7. Identify the proper materials, measurements, and tools for installing crown molding and cabinet molding.
8. Demonstrate the safe and proper use of tools in final trim installation.
9. Demonstrate satisfactory built-up trim designs for a variety of given scenarios.

New Resources for Course

Course Textbooks/Resources

Textbooks
Manuals
Periodicals
Software

Equipment/Facilities

Level III classroom

| <u>Reviewer</u> | <u>Action</u> | <u>Date</u> |
|-------------------------------------------------------------------|---------------------------|---------------------|
| Faculty Preparer: <i>Matthew Hagood</i> | <i>Faculty Preparer</i> | <i>Feb 10, 2025</i> |
| Department Chair/Area Director: <i>Brian Martindale</i> | <i>Recommend Approval</i> | <i>Feb 10, 2025</i> |
| Dean: <i>Eva Samulski</i> | <i>Recommend Approval</i> | <i>Feb 10, 2025</i> |
| Curriculum Committee Chair: <i>Randy Van Wagnen</i> | <i>Recommend Approval</i> | <i>Feb 28, 2025</i> |
| Assessment Committee Chair: <i>Jessica Hale</i> | <i>Recommend Approval</i> | <i>Mar 12, 2025</i> |
| Vice President for Instruction: <i>Brandon Tucker</i> | <i>Approve</i> | <i>Mar 13, 2025</i> |

Washtenaw Community College Comprehensive Report

CON 240 Construction - Advanced Finishes and Techniques Effective Term: Fall 2012

Course Cover

Division: Vocational Technologies

Department: Construction Institute

Discipline: Residential Construction Technology

Course Number: 240

Org Number: 14725

Full Course Title: Construction - Advanced Finishes and Techniques

Transcript Title: Advanced Finishes & Techniques

Is Consultation with other department(s) required: No

Publish in the Following: College Catalog , Time Schedule , Web Page

Reason for Submission: Three Year Review / Assessment Report

Change Information:

Course title

Course description

Total Contact Hours

Distribution of contact hours

Pre-requisite, co-requisite, or enrollment restrictions

Outcomes/Assessment

Rationale: Advisory Board recommendations

Proposed Start Semester: Fall 2012

Course Description: In this course, students will learn proper installation techniques for interior trim systems including stairs, handrails, crown molding, cabinetry detailing, and built-up trim details. The title of this course was previously Advanced Trim and Interior Finish Techniques.

Course Credit Hours

Variable hours: No

Credits: 3

Lecture Hours: Instructor: 15 Student: 15

Lab: Instructor: 60 Student: 60

Clinical: Instructor: 0 Student: 0

Total Contact Hours: Instructor: 75 Student: 75

Repeatable for Credit: NO

Grading Methods: Letter Grades

Audit

Are lectures, labs, or clinicals offered as separate sections?: NO (same sections)

College-Level Reading and Writing

College-level Reading & Writing

College-Level Math

Level 3

Requisites

Prerequisite

CON 205 minimum grade "C"

General Education

Request Course Transfer

Proposed For:

Central Michigan University
Eastern Michigan University
Ferris State University

Student Learning Outcomes

1. Install interior stair parts.

Assessment 1

Assessment Tool: Lab project

Assessment Date: Winter 2012

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Departmentally-developed rubric

Standard of success to be used for this assessment: 80% of the students will score 80% or higher.

Who will score and analyze the data: Departmental faculty

2. Install interior handrail systems.

Assessment 1

Assessment Tool: Lab project

Assessment Date: Winter 2012

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Departmentally-developed rubric

Standard of success to be used for this assessment: 80% of the students will score 80% or higher.

Who will score and analyze the data: Departmental faculty

3. Install crown molding.

Assessment 1

Assessment Tool: Lab project

Assessment Date: Winter 2012

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Departmentally-developed rubric

Standard of success to be used for this assessment: 80% of the students will score 80% or higher.

Who will score and analyze the data: Departmental faculty

4. Install built up cabinet molding.

Assessment 1

Assessment Tool: Lab project

Assessment Date: Winter 2012

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Departmentally-developed rubric

Standard of success to be used for this assessment: 80% of the students will score 80% or higher.

Who will score and analyze the data: Departmental faculty

5. Produce and install built up trim details.

Assessment 1

Assessment Tool: Lab project

Assessment Date: Winter 2012

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Departmentally-developed rubric

Standard of success to be used for this assessment: 80% of the students will score 80% or higher.

Who will score and analyze the data: Departmental faculty

Course Objectives

1. Interpret building code, material usage and proper techniques needed for stair system installations.

Matched Outcomes

1. Install interior stair parts.

2. Interpret building code, material usage and proper techniques needed for stair handrail system installations.

Matched Outcomes

2. Install interior handrail systems.

3. Use proper materials, measurements and tools for installing crown molding.

Matched Outcomes

3. Install crown molding.

4. Use proper materials, measurements and tools for installing built up cabinet moldings.

Matched Outcomes

4. Install built up cabinet molding.

5. Recognize proper material, understand tool production and plan for final trim installation.

Matched Outcomes

New Resources for Course

Course Textbooks/Resources

Textbooks

Manuals

Periodicals

Software

Equipment/Facilities

Level III classroom

Reviewer

Action

Date

Faculty Preparer:

Cristy Lindemann

Faculty Preparer

Feb 17, 2012

Department Chair/Area Director:

Cristy Lindemann

Recommend Approval

Feb 17, 2012

Dean:

Ross Gordon

Recommend Approval

Mar 21, 2012

Vice President for Instruction:

Stuart Blacklaw

Approve

Apr 11, 2012