Washtenaw Community College Comprehensive Report

CON 105 Construction Framing II
Effective Term: Fall 2019

Course Cover

Division: Advanced Technologies and Public Service Careers
Department: Heating, Ventilation and A/C
Discipline: Residential Construction Technology
Course Number: 105
Org Number: 14750
Full Course Title: Construction Framing II
Transcript Title: Construction Framing II
Is Consultation with other department(s) required: No
Publish in the Following: College Catalog , Time Schedule , Web Page
Reason for Submission: Course Change
Change Information:
Pre-requisite, co-requisite, or enrollment restrictions
Outcomes/Assessment
Rationale: This course change will enable students to take this course alongside a developmental course.
Proposed Start Semester: Fall 2019
Course Description: This course covers light frame construction for homes and light industrial buildings to include wall framing, roof framing, and installation of doors and windows. Construction theory in class is included to support lab activities on and offsite. Students will discuss layout techniques, materials required and proper safety regulations for building these structural systems.

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

Reduced Reading/Writing Scores

College-Level Math

Level 1

Requisites

Prerequisite
CON 104 minimum grade "C"; may enroll concurrently
and

Prerequisite
CON 108; minimum grade of C
Prerequisite
Reading Level 5; Writing Level 3

General Education

Request Course Transfer

Proposed For:
Central Michigan University
Eastern Michigan University
Ferris State University

Student Learning Outcomes

1. Recognize and apply proper safety techniques to build a wall.
   Assessment 1
   Assessment Tool: Lab exercises
   Assessment Date: Winter 2020
   Assessment Cycle: Every Three Years
   Course section(s)/other population: All
   Number students to be assessed: All
   How the assessment will be scored: Departmental 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
   Assessment 2
   Assessment Tool: Exam
   Assessment Date: Winter 2020
   Assessment Cycle: Every Three Years
   Course section(s)/other population: All
   Number students to be assessed: All
   How the assessment will be scored: Answer key
   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. Recognize and apply proper safety techniques to build a roof system.
   Assessment 1
   Assessment Tool: Lab exercises
   Assessment Date: Winter 2020
   Assessment Cycle: Every Three Years
   Course section(s)/other population: All
   Number students to be assessed: All
   How the assessment will be scored: Departmental 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
   Assessment 2
   Assessment Tool: Exam
   Assessment Date: Winter 2020
   Assessment Cycle: Every Three Years
   Course section(s)/other population: All
   Number students to be assessed: All

How the assessment will be scored: Answer key
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. Recognize and apply proper safety techniques to install interior and exterior doors.
   Assessment 1
   Assessment Tool: Lab exercises
   Assessment Date: Winter 2020
   Assessment Cycle: Every Three Years
   Course section(s)/other population: All
   Number students to be assessed: All
   How the assessment will be scored: Departmental 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. Recognize and apply proper safety techniques to install windows.
   Assessment 1
   Assessment Tool: Lab exercises
   Assessment Date: Winter 2020
   Assessment Cycle: Every Three Years
   Course section(s)/other population: All
   Number students to be assessed: All
   How the assessment will be scored: Departmental 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. Recognize materials used for light frame construction walls.
2. Construct a wall using proper materials, layout, and safety regulations.
3. Inspect a wall using required industry standards.
4. Differentiate between various types of roof systems.
5. Recognize materials used for light framed construction roofs.
6. Identify tasks required to build each roof system.
7. Construct a roof system using proper materials, layout and safety techniques.
8. Recognize various tools and equipment used for door installation.
9. Diagnose problems that may arise when doors are installed incorrectly.
10. Safely install interior and/or exterior door within industry standards.
11. Recognize various types and components of windows.
12. Diagnose problems that may arise when windows are installed incorrectly.
13. Safely install windows within industry standards.

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*	*May 28, 2019*
Department Chair/Area Director:		
Robert Carter	*Recommend Approval*	*Jun 17, 2019*
Dean:		
Brandon Tucker	*Recommend Approval*	*Jun 18, 2019*
Curriculum Committee Chair:		
Lisa Veasey	*Recommend Approval*	*Jul 10, 2019*
Assessment Committee Chair:		
Shawn Deron	*Recommend Approval*	*Jul 18, 2019*
Vice President for Instruction:		
Kimberly Hurns	*Approve*	*Jul 26, 2019*