Washtenaw Community College Comprehensive Report

CON 064 Introduction to Construction Framing
Conditional Approval
Effective Term: Winter 2014

Course Cover

Division: Advanced Technologies and Public Service Careers
Department: Construction Institute
Discipline: Residential Construction Technology
Course Number: 064
Org Number: 14725
Full Course Title: Introduction to Construction Framing
Transcript Title: Intro. Const. Framing
Is Consultation with other department(s) required: Yes
Please Explain:
Reading and writing faculty
Publish in the Following: Web Page
Reason for Submission: New Course
Change Information:
Rationale: For next class in high school students' certificate.
Proposed Start Semester: Winter 2014
Course Description: In this course, students will be introduced to light frame construction for homes and light industrial buildings. Construction theory in class is included to support lab activities on- and offsite. Students will be introduced to layout techniques, materials required, proper safety for deck and platform structures, foundation systems, stair systems and demolition. Students will also develop skills in construction math, reading and writing, and student success skills needed in the construction field. This course is only available to students attending local area partner high schools.

Course Credit Hours

Variable hours: No
Credits: 6
Lecture Hours: Instructor: 105 **Student:** 105
Lab: Instructor: 90 **Student:** 90
Clinical: Instructor: 0 **Student:** 0

Total Contact Hours: Instructor: 195 **Student:** 195
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

Requisites

Prerequisite
CON 055 minimum grade "D"
and
Prerequisite

Academic Reading Level 3; Academic Writing Level 3

General Education
Request Course Transfer
Proposed For:

Student Learning Outcomes

1. Identify and improve current strengths as well as areas for academic and personal growth.
   Assessment 1
   Assessment Tool: On-Course self-assessment pre- and post-test
   Assessment Date: Winter 2014
   Assessment Cycle: Every Three Years
   Course section(s)/other population: ALL
   Number students to be assessed: ALL
   How the assessment will be scored: On-Course rubric
   Standard of success to be used for this assessment: 70% of students will improve a minimum of 3 points on the 80 point scale
   Who will score and analyze the data: Course instructors and department chairs

2. Write well-developed and well-organized paragraphs and essays using construction terminology and technical information.
   Assessment 1
   Assessment Tool: Paragraph writing test
   Assessment Date: Winter 2014
   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: 70 % of students will score 70% or higher
   Who will score and analyze the data: Full-time English faculty

3. Actively engage effective reading strategies.
   Assessment 1
   Assessment Tool: Building Materials multiple-choice and short answer test
   Assessment Date: Winter 2014
   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: 70% of students will score 80% or higher.
   Who will score and analyze the data: course instructors and department chairs

4. Recognize and apply proper safety and building techniques to construct a platform.
   Assessment 1
   Assessment Tool: Lab project
   Assessment Date: Winter 2014
   Assessment Cycle: Annually
   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: 70% of students will score 70% or higher.
   Who will score and analyze the data: course instructors and department chairs

5. Identify foundation system components and construction required for light frame construction.
   Assessment 1
   Assessment Tool: Exam
   Assessment Date: Winter 2014
   Assessment Cycle: Annually
   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: 70 % of students will score 70% or higher.
   Who will score and analyze the data: course instructors and department chairs

6. Demolish light frame construction system efficiently and safely.
   Assessment 1
   Assessment Tool: Lab Project
   Assessment Date: Winter 2014
   Assessment Cycle: Annually
   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: 70% of students will score 70% or higher.
   Who will score and analyze the data: course instructors and department chairs

Course Objectives

1. Build a platform or deck.
   Matched Outcomes
   4. Recognize and apply proper safety and building techniques to construct a platform.
2. Identify code items required to build a deck or platform per Michigan Residential Code.
   Matched Outcomes
   4. Recognize and apply proper safety and building techniques to construct a platform.
3. Use tools and materials safely.
   Matched Outcomes
   4. Recognize and apply proper safety and building techniques to construct a platform.
   5. Identify foundation system components and construction required for light frame construction.
   6. Demolish light frame construction system efficiently and safely.
4. Compose resume to be used to apply for a construction position.
   Matched Outcomes
   1. Identify and improve current strengths as well as areas for academic and personal growth.
   2. Write well-developed and well-organized paragraphs and essays using construction terminology and technical information.
5. Characterize skills and attributes needed for a job in the construction industry.
   Matched Outcomes
   1. Identify and improve current strengths as well as areas for academic and personal growth.
   2. Write well-developed and well-organized paragraphs and essays using construction terminology and technical information.
6. Use construction technology course materials to take notes and identify construction terminology.
   Matched Outcomes
   1. Identify and improve current strengths as well as areas for academic and personal growth.
   3. Actively engage effective reading strategies.
   4. Recognize and apply proper safety and building techniques to construct a platform.

5. Identify foundation system components and construction required for light frame construction.
6. Demolish light frame construction system efficiently and safely.

New Resources for Course

Course Textbooks/Resources

Textbooks

NCCER. *Carpentry Level I*, 5th ed. Pearson, 2014, ISBN: 978-0-13-340.

Manuals

Periodicals

Software

Equipment/Facilities

Level I classroom

Reviewer	Action	Date
Faculty Preparer:		
Cristy Lindemann	*Faculty Preparer*	*Nov 21, 2013*
Department Chair/Area Director:		
Cristy Lindemann	*Recommend Approval*	*Nov 22, 2013*
Dean:		
Marilyn Donham	*Recommend Approval*	*Nov 22, 2013*
Vice President for Instruction:		
Bill Abernethy	*Conditional Approval*	*Dec 12, 2013*