ACT 328B: FINISH CARPENTRY - MOLDINGS AND TRIMS LAB

Originator

zbecker

Co-Contributor(s)

Name(s)
Bitanga, Bert

Justification / Rationale

Construction is one of the top employment opportunities in the Coachella Valley and with the new Title 24 requirements for Zero Net Energy construction, there is a need for a more educated construction workforce. This course is one of three modules of a non-credit overlay version of CM 020 Introduction to Construction Technology. Module 1 covers tools, equipment, safety and green concepts; Module 2 provides training and review of the basic math skills required for construction; Module 3 provides an awareness of career opportunities in the construction industry and the employability skills required to succeed in those careers. Providing this non-credit version allows those currently unemployed or underemployed to gain the skills and knowledge required to obtain and succeed in construction jobs; providing the modules as a credit overlay allows students to qualify for credit by exam and move into a credit pathway to continue education.

Effective Term

Fall 2020

Credit Status

Noncredit

Subject

ACT - Applied Construction Technolog

Course Number

328B

Full Course Title

Finish Carpentry - Moldings and Trims Lab

Short Title

MOLDINGS AND TRIMS

Discipline

Disciplines List
Construction Technology
Architecture
Construction Management

Modality

Face-to-Face

Catalog Description

Practical lab that focuses on safety, molding and trim hardware, procedures and installation. Students are introduced to a variety of options for materials, tools and installation procedures and participate in a practical lab or on site project under the close supervision of a qualified instructor.

Schedule Description

Practical lab for Interior finish carpentry including moldings and trims. Prerequisite: ACT 320 and ACT 320B or concurrent enrollment

Non-credit Hours

27

Lecture Units

0

Lab Units
0

In-class Hours
27

Out-of-class Hours
0

Total Course Units
0

Total Semester Hours
27

Override Description
Noncredit override.

Prerequisite Course(s)
ACT 320 and ACT 320B or concurrent enrollment

Required Text and Other Instructional Materials

Resource Type
Book

Author
National Center for Construction Education and Research

Title
Construction Technology-Trainee Guide

Edition
4th

City
Gainesville, FL

Publisher
Pearson Prentice Hall

Year
2016

College Level
Yes

Flesch-Kincaid Level
12

ISBN #
9780134130392

Resource Type
Instructional Materials

Title
Career Essentials Project Book 3

Edition
Latest Edition

Publisher
Carpenters International Training Fund

Year
2018

Description
CC0003RG

Class Size Maximum
20

Entrance Skills
Understand safety requirements on construction sites.

Requisite Course Objectives
ACT 320-Discuss common safety hazards on construction sites.

Entrance Skills
Ability to interpret information and instructions presented in both written and verbal form.

Requisite Course Objectives
ACT 320-Demonstrate the ability to interpret information and instructions presented in both written and verbal form.

Entrance Skills
Critical thinking skills and the ability to solve problems using those skills.

Requisite Course Objectives
ACT 320-Demonstrate critical thinking skills and the ability to solve problems using those skills.

Entrance Skills
Solve simple arithmetic functions.

Requisite Course Objectives
ACT 320B-Solve simple arithmetic functions including addition, subtraction, multiplication, and division of whole numbers, fractions, and decimals.

Entrance Skills
Demonstrate fluency reading a tape measure.

Requisite Course Objectives
ACT 320B-Demonstrate fluency reading a tape measure.

Entrance Skills
Recognize and measure basic geometric shapes used in the construction industry.

Requisite Course Objectives
ACT 320B-Recognize and measure basic geometric shapes commonly used in the construction industry.

Course Content
1. Review of construction safety.
2. Basic procedures and guidelines for installing trim.
3. Window trim installation techniques and guidelines.

4. Moldings.
5. Baseboard trim installation techniques.
6. Ceiling trim installation techniques and guidelines.
7. Estimating trim materials.
8. Making square and miter cuts.
9. Making coped joint cuts.
10. Install trim using proper fasteners.

Course Objectives

	Objectives
Objective 1	Overview of finish carpentry drawings and specifications.
Objective 2	Discuss safety procedures for hand and power tools used to install moldings and trims.
Objective 3	Identify the different types of standard moldings and describe their use.
Objective 4	Discuss the proper procedure for making coped joint cuts using a coping saw.
Objective 5	Discuss the process of estimating the quantities of different trim materials required for selected rooms.

Student Learning Outcomes

	Upon satisfactory completion of this course, students will be able to:
Outcome 1	Estimate the quantities of different trim materials for selected applications.
Outcome 2	Outline the safety procedures for hand and power tools used in finish carpentry.
Outcome 3	Install moldings and trim using safe and effective procedures.

Methods of Instruction

Method	Please provide a description or examples of how each instructional method will be used in this course.
Activity	Develop procedures for estimating materials for trims and moldings.
Participation	Individual and group participation in evaluation of construction options.
Discussion	In-class evaluation of construction options and methods.
Activity	Install trims and moldings in lab or on site project.

Methods of Evaluation

Method	Please provide a description or examples of how each evaluation method will be used in this course.	Type of Assignment
Field/physical activity observations	Installation of trim and molding working individually and as a team.	In Class Only
Student participation/contribution	Individual and group participation in evaluation of construction options.	In Class Only
Product/project development evaluation	Estimates for materials for trim and molding installation.	In Class Only
Group activity participation/observation	Participation in discussion of estimates and installations.	In Class Only

Assignments

Other In-class Assignments

1. Individual projects to develop estimates.
2. Small group projects to review and evaluate estimates.
3. Projects to install trim and moldings.
4. Small group projects to evaluate installations.

Grade Methods

Pass/No Pass Only

MIS Course Data

CIP Code
46.0412 - Building/Construction Site Management/Manager.

TOP Code
095700 - Civil and Construction Management Technology

SAM Code
C - Clearly Occupational

Basic Skills Status
Not Basic Skills

Prior College Level
Not applicable

Cooperative Work Experience
Not a Coop Course

Course Classification Status
Other Non-credit Enhanced Funding

Approved Special Class
Not special class

Noncredit Category
Short-Term Vocational

Funding Agency Category
Not Applicable

Program Status
Program Applicable

Transfer Status
Not transferable

Allow Audit
No

Repeatability
Yes

Repeatability Limit
NC

Repeat Type
Noncredit

Justification
Noncredit courses are repeatable until students achieve the skills and knowledge required to meet the objectives and outcomes of the course.

Materials Fee
No

Additional Fees?
No

Approvals

Curriculum Committee Approval Date
11/05/2010

Academic Senate Approval Date
11/14/2019

Board of Trustees Approval Date
12/19/2019

Chancellor's Office Approval Date
01/10/2020

Course Control Number
CCC000611528

Programs referencing this course
Construction Technology Finish Carpentry Certificate of Completion (http://catalog.collegeofthedesert.eduundefined?key=287/)