

ACT 328A: FINISH CARPENTRY - DOORS AND WINDOWS LAB

Originator

zbecker

Co-Contributor(s)**Name(s)**

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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

328A

Full Course Title

Finish Carpentry - Doors and Windows Lab

Short Title

DOORS & WINDOWS

Discipline**Disciplines List**

Construction Technology

Architecture

Construction Management

Modality

Face-to-Face

Catalog Description

Practical lab that focuses on safety, door and window installation, door and window trims and door and window hardware options. 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. (Noncredit In-class Hours: 27)

Schedule Description

Practical lab for Interior finish carpentry including doors, windows, door trim and door hardware. 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 & 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

40

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. Safety in the interior work space.
2. Door types and basic construction.

3. Metal door frames.
4. Interior wood door jambs.
5. Interior wood doors.
6. Door stop strips.
7. Job site prehung a door prior to installation.
8. Manufactured prehung door unit installation.
9. Interior locksets.
10. External door stops, holders and door closers.
11. Other door hardware.
12. Other door types.
13. Door lights.
14. Commercial exterior doors.
15. Basic procedures for installing door trim.
16. Window trim and installation techniques and guidelines.
17. Door trim installation.
18. Install selected door jambs and frames in different interior partitions.
19. Install door hardware.
20. Hang a selected door.

Course Objectives

	Objectives
Objective 1	Identify the various types of door jambs and frames.
Objective 2	Overview of finish carpentry drawings and specifications.
Objective 3	Install a variety of doors and windows using effective and approved construction techniques.
Objective 4	Discuss safety procedures for hand and power tools used to install doors and door hardware.
Objective 5	Discuss the procedure for placing and hanging selected doors.
Objective 6	Identify different types of door hardware.

Student Learning Outcomes

	Upon satisfactory completion of this course, students will be able to:
Outcome 1	Install a variety of windows and doors using industry approved methods and procedures.
Outcome 2	Outline the safety procedures for hand and power tools used in finish carpentry.

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 Doors and windows.
Participation	Individual and group participation in evaluation of construction options.
Discussion	In class evaluation of construction options and methods.
Activity	Installation of doors and windows in lab or on site setting.

Methods of Evaluation

Method	Please provide a description or examples of how each evaluation method will be used in this course.	Type of Assignment
Other	Quizzes, In-class exercises.	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 door, window installation.	In Class Only
Group activity participation/observation	Evaluate Installation of doors and windows.	In Class Only

Assignments

Other In-class Assignments

1. Individual projects to develop estimates and procedures for window and door installation.
2. Small group projects to review and evaluate estimates and procedures.
3. Small group projects to install doors and windows.

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**

11/05/2019

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

CCC000611527

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