

Course Outline of Record

1. Course Code: ACT-028
2.
  - a. Long Course Title: Finish Carpentry
  - b. Short Course Title: FINISH CARPENTRY
3.
  - a. Catalog Course Description:
 

This course focuses on the variety of applications that occur within the interior of a building during the final stages nearing completion. Topics such as safety, door and window installation, door hardware, trims and molding, tools for installation, and cabinet installation are covered. Students have the opportunity to apply Service Learning by way of a practical lab or an actual project site with close supervision of trade professionals.
  - b. Class Schedule Course Description:
 

This course focuses on the variety of applications that occur within the interior of a building during the final stages nearing completion.
  - c. Semester Cycle (if applicable): Fall
  - d. Name of Approved Program(s):
    - CONSTRUCTION MANAGEMENT Certificate of Achievement
4. Total Units: 4.00      Total Semester Hrs: 180.00  
 Lecture Units: 1      Semester Lecture Hrs: 18.00  
 Lab Units: 3      Semester Lab Hrs: 162.00  
 Class Size Maximum: 20      Allow Audit: No  
 Repeatability No Repeats Allowed  
 Justification 0
5. Prerequisite or Corequisite Courses or Advisories:
 

*Course with requisite(s) and/or advisory is required to complete Content Review Matrix (CCForm1-A)*

 Prerequisite: CM 020 or  
 Prerequisite: ACT 020
6. Textbooks, Required Reading or Software: *(List in APA or MLA format.)*
  - a. National Center for Construction Education and Research (2017). *Carpentry Framing and Finishing, Level Two* (5th/e). Gainesville, FL Pearson . ISBN: 0133404307  
 College Level: Yes  
 Flesch-Kincaid reading level: 12
7. Entrance Skills: *Before entering the course students must be able:*
  - a.  
 Discuss common safety hazards on construction sites.
    - ACT 020 - Discuss common safety hazards on construction sites.
  - b.  
 Explain the purpose of Occupational Safety and Health Administration (OSHA) and their regulations for the construction industry.
    - ACT 020 - Explain the purpose of Occupational Safety and Health Administration (OSHA) and their regulations for the construction industry.
  - c.  
 Identify various hand tools used in the construction industry.
    - CM 020 - Identify various hand tools used in the construction industry

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d.

Identify various power tools used in the construction industry.

- CM 020 - Identify various power tools used in the construction industry

e.

Understand the impact of construction to the environment.

- ACT 020 - Understand the impact of construction to the environment.

f.

Demonstrate fluency reading a tape measure.

- ACT 020 - Demonstrate fluency reading a tape measure.

g.

Demonstrate the ability to interpret information and instructions presented in both written and verbal form.

- ACT 020 - Demonstrate the ability to interpret information and instructions presented in both written and verbal form.

h.

Demonstrate critical thinking skills and the ability to solve problems using those skills.

- CM 020 - Demonstrate critical thinking skills and the ability to solve problems using those skills

i.

Demonstrate effective relationship skills with teammates and supervisors, the ability to work on a team, and appropriate leadership skills.

- CM 020 - Demonstrate effective relationship skills with teammates and supervisors, the ability to work on a team, and appropriate leadership skills

j.

Understand workplace issues such as sexual harassment, stress, and substance abuse.

- ACT 020 - Understand workplace issues such as sexual harassment, stress, and substance abuse.

## 8. Course Content and Scope:

### Lecture:

- Overview of interior finishes
- Safety in the interior work space
- Door types and basic construction
- Metal door frames
- Interior wood door jambs
- Interior wood doors
- Door stop strips
- Job site prehanging a door prior to installation
- Manufactured prehung door unit installation
- Interior locksets
- External door stops, holders, and door closers
- Other door hardware
- Other door types
- Door lights
- Commercial exterior doors
- Moldings
- Basic procedures and guidelines for installing trim
- Window trim installation techniques and guidelines
- Door trim installation
- Baseboard trim installation techniques
- Ceiling trim installation techniques and guidelines

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- v. Estimating trim materials
- w. Parts of manufactures cabinets
- x. Woods and materials used in cabinet construction
- y. Cabinet doors, drawers, and hardware
- z. Cabinet shelves and shelf hardware
- aa. Cabinet island
- bb. Commercial cabinets
- cc. Countertops
- dd. Fastenrs used for cabinet construction and installation
- ee. Installing cabinets

Lab: *(if the "Lab Hours" is greater than zero this is required)*

- a. Install selected door jambs and frames in different types of interior partitions
- b. Install door hardware
- c. Hang a selected door.
- d. Make square and miter cuts
- e. Make coped joint cuts
- f. Install trim using proper fasteners
- g. Install interior trim for doors, window, base, and ceiling
- h. Lay out factory-made cabinets, countertops, and backsplashes

## 9. Course Student Learning Outcomes:

1.  
Outline the safety procedures for hand and power tools used in finish carpentry. (Cognitive)
2.  
Identify the various types of components and interior finishes used in the construction industry. (Cognitive)
3.  
Estimate the quantities of selected finish material necessary for different applications. (Psychomotor)

## 10. Course Objectives: *Upon completion of this course, students will be able to:*

- a. Identify the various types of door jambs and frames.
- b. Identify different types of interior doors.
- c. Identify different types of door hardware.
- d. Discuss the safety procedures for hand and power tools used to install doors and door hardware.
- e. Describe specific items included on a typical door schedule.
- f. Discuss the procedure for placing and hanging selected doors.
- g. Identify the different types of standard moldings and describe their uses.
- h. Discuss the proper procedure for making square and miter cuts using a miter box or power miter saw.
- i. Discuss the proper procedure for making coped joint cuts using a coping saw.
- j. Discuss the process of estimating the quantities of different trim materials required for selected rooms.
- k. Explain the classes and sizes of typical base and wall kitchen cabinets.
- l. Identify cabinet components and hardware and describe their purposes.
- m. Describe the proper procedure for laying out factory-made cabinets, countertops, and backsplashes.
- n. Explain the installation of an island base.

## 11. Methods of Instruction: *(Integration: Elements should validate parallel course outline elements)*

- a. Demonstration, Repetition/Practice
- b. Discussion
- c. Lecture
- d. Participation

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## Other Methods:

Office and site visits

12. Assignments: *(List samples of specific activities/assignments students are expected to complete both in and outside of class.)*

In Class Hours: 180.00

Outside Class Hours: 36.00

### a. In-class Assignments

1. Individual projects
2. Small group projects

### b. Out-of-class Assignments

1. Review questions
2. Vocabulary terms
3. Short response papers

13. Methods of Evaluating Student Progress: *The student will demonstrate proficiency by:*

- Written homework
- Group activity participation/observation
- Student participation/contribution
- Other

Quizzes In-class exercises Participation during office and site visits

14. Methods of Evaluating: Additional Assessment Information:

15. Need/Purpose/Rationale -- *All courses must meet one or more CCC missions.*

PO - Career and Technical Education

Apply critical thinking skills to execute daily duties in their area of employment.

Display the skills and aptitude necessary to pass certification exams in their field.

IO - Personal and Professional Development

Develop realistic goals.

Demonstrate an understanding of ethical issues to make sound judgments and decisions.

16. Comparable Transfer Course

University System	Campus	Course Number	Course Title	Catalog Year
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17. Special Materials and/or Equipment Required of Students:

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18. Materials Fees:  Required Material?

**Material or Item**

**Cost Per Unit**

**Total Cost**

19. Provide Reasons for the Substantial Modifications or New Course:

Periodic Course Review

20. a. Cross-Listed Course (*Enter Course Code*): *N/A*

b. Replacement Course (*Enter original Course Code*): *N/A*

21. Grading Method (*choose one*): Letter Grade Only

22. MIS Course Data Elements

a. Course Control Number [CB00]: CCC000513181

b. T.O.P. Code [CB03]: 95700.00 - Civil and Construction Ma

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- c. Credit Status [CB04]: D - Credit - Degree Applicable
- d. Course Transfer Status [CB05]: C = Non-Transferable
- e. Basic Skills Status [CB08]: 2N = Not basic skills course
- f. Vocational Status [CB09]: Clearly Occupational
- g. Course Classification [CB11]: Y - Credit Course
- h. Special Class Status [CB13]: N - Not Special
- i. Course CAN Code [CB14]: N/A
- j. Course Prior to College Level [CB21]: Y = Not Applicable
- k. Course Noncredit Category [CB22]: Y - Not Applicable
- l. Funding Agency Category [CB23]: Y = Not Applicable
- m. Program Status [CB24]: 2 = Stand-alone

Name of Approved Program (if program-applicable): CONSTRUCTION MANAGEMENT

Attach listings of Degree and/or Certificate Programs showing this course as a required or a restricted elective.)

## 23. Enrollment - Estimate Enrollment

First Year: 20

Third Year: 32

## 24. Resources - Faculty - Discipline and Other Qualifications:

a. Sufficient Faculty Resources: Yes

b. If No, list number of FTE needed to offer this course: N/A

## 25. Additional Equipment and/or Supplies Needed and Source of Funding.

N/A

## 26. Additional Construction or Modification of Existing Classroom Space Needed. (Explain:)

N/A

## 27. FOR NEW OR SUBSTANTIALLY MODIFIED COURSES

Library and/or Learning Resources Present in the Collection are Sufficient to Meet the Need of the Students Enrolled in the Course: Yes

28. Originator Donbert M. Bitanga Origination Date 04/22/18