

Course Outline of Record

1. Course Code: ACT-027
2. a. Long Course Title: Exterior Finish
b. Short Course Title: EXTERIOR FINISH
3. a. Catalog Course Description:
This course covers the wide variety of siding materials used to finish the exterior of houses and some commercial buildings. Proper handling and installation for various materials such as wood, brick, vinyl, metal and stucco are demonstrated by industry professionals as well as by the students in a practical lab or actual project site.
b. Class Schedule Course Description:
This course covers the wide variety of siding materials used to finish the exterior of houses and some commercial buildings.
c. Semester Cycle (if applicable): Fall
d. Name of Approved Program(s):
 - CONSTRUCTION MANAGEMENT Certificate of Achievement
4. Total Units: 1.00 Total Semester Hrs: 36.00
Lecture Units: 0.5 Semester Lecture Hrs: 9.00
Lab Units: 0.5 Semester Lab Hrs: 27.00
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
- 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.
 - CM 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.

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

8. Course Content and Scope:

Lecture:

1. Overview of industry
2. Safety in the job area
3. Insulation and flashing
4. Cornices
5. Wood siding
6. Fiber-cement siding
7. Vinyl and metal siding
8. Stucco finishes
9. Brick and stone veneer
10. Direct-applied exterior finish systems (DEFS)
11. Exterior insulation and finish systems (EIFS)

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

1. Install selected common cornices
2. Install lap and panel siding
3. Apply various stucco finishes
4. Apply common masonry veneer finishes

9. Course Student Learning Outcomes:

1.
Outline the procedure for the application of various types of exterior finishes. (Cognitive)
2.
Demonstrate the use of manual and power tools used in exterior finishing. (Psychomotor)

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

- a. Describe the purpose of wall insulation and flashing.
- b. Explain the proper procedure for the installation of selected common cornices.
- c. Describe the proper procedure for the installation of lap and panel siding.
- d. Describe the types and applications of common wood siding.
- e. Describe fiber-cement siding and its uses.
- f. Describe the types and styles of vinyl and metal siding.
- g. Describe the types and applications of stucco finishes.
- h. Describe the types and applications of masonry veneer finishes.
- i. Describe the types and applications of special exterior finish systems.

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

- a. Demonstration, Repetition/Practice
- b. Discussion

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- c. Lecture
- d. Participation

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: 36.00

Outside Class Hours: 18.00

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
- Presentations/student demonstration observations
- 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.

Exhibit effective written, oral communication and interpersonal skills.

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:

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

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- a. Course Control Number [CB00]: CCC000513180
- b. T.O.P. Code [CB03]: 95700.00 - Civil and Construction Ma
- 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: 20

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