

Course Outline of Record

1. Course Code: ACT-026
2.
 - a. Long Course Title: Drywall Installation and Finish
 - b. Short Course Title: DRYWALL INSTALL/FIN
3.
 - a. Catalog Course Description:

This course introduces the proper installation, types of application and the various finishes applied on gypsum board. Some of the topics covered include the tools, fasteners and materials used in the covering of the framed interior of a building. Other topics include soundproofing, estimating and problems that occur in drywall finishes for both new and remodeling projects. 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 introduces the proper installation, types of application and the various finishes applied on gypsum board.
 - 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.
 - CM 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.
 - ACT 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.

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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.

- 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:

- Overview of industry
- Gypsum board
- Tools used for gypsum board application
- Application of gypsum board
- Multi-ply application
- Self supporting gypsum partitions
- Architectural noncombustible paneling over gypsum substrate
- Resurfacing existing construction
- Corner beads and casing
- Fire-rated and sound-rated walls
- Estimating drywall
- Finishing standards
- Drywall finishing tools
- Drywall finishing materials
- Drywall finishing procedures
- Problems and remedies

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

- Install selected drywall materials
- Apply finish sequence on drywall using hand tools
- Apply finish sequence on drywall using power tools
- Patch a damaged drywall

9. Course Student Learning Outcomes:

1.

Outline the procedure for selecting the different types of drywall and their application. (Cognitive)

2.

Demonstrate the use of manual and power tools used in drywall finishing. (Psychomotor)

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

- Identify the different types of drywall and their uses.
- Explain the proper procedure for selecting the type and thickness of drywall required for specific installations.
- Explain the proper selection process of fasteners for drywall installation.
- Explain the schedule for fasteners for different types of drywall installation.
- Explain the proper procedure for the installation of single-layer and multi-layer drywall using different types of drywall fastening systems.
- Describe the proper procedure for installing drywall on light gage metal studs.
- Explain the soundproofing characteristics of drywall.
- Explain the proper procedure for estimating material quantities for a drywall installation.

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- i. Explain the differences between the six levels of finish established by industry standards.
- j. Identify the hand tools used in drywall finishing.
- k. Identify the automatic tools used in drywall finishing.
- l. Identify the materials used in drywall finishing.
- m. Identify various types of problems that occur in drywall finishing.
- n. Explain the proper procedure for patching a damaged drywall.

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

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

- a. Course Control Number [CB00]: CCC000513179
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: 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
