

# ACT 326: DRYWALL INSTALLATION & FINISH

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## New Course Proposal

Date Submitted: Sun, 15 Sep 2019 17:34:39 GMT

### Originator

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### Co-Contributor(s)

#### Name(s)

Bitanga, Bert

### Justification / Rationale

#### 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

326

### Full Course Title

Drywall Installation & Finish

### Short Title

DRYWALL INSTALL/FIN

### Discipline

#### Disciplines List

Construction Technology

### Modality

Face-to-Face  
Hybrid

### Catalog 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 participate in Service Learning by way of a practical lab or an actual project site under close supervision of trade professionals.

### Schedule Description

This course introduces the proper installation, types of application and the various finishes applied on gypsum board. Prerequisite: ACT 320

### Non-credit Hours

54

**In-class Hours**

36

**Out-of-class Hours**

18

**Total Semester Hours**

54

**Override Description**

Noncredit override.

**Prerequisite Course(s)**

ACT 320 or concurrent enrollment

**Required Text and Other Instructional Materials****Resource Type**

Book

**Author**

National Center for Construction Education and Research

**Title**

Carpentry Framing and Finishing, Level Two

**Edition**

5th

**City**

Gainesville, FL

**Publisher**

Pearson Prentice Hall

**Year**

2017

**College Level**

Yes

**Flesch-Kincaid Level**

12

**ISBN #**

978-0133404302

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**Resource Type**

Instructional Materials

**Title**

Career Connections Project Book 3

**Edition**

Latest Edition

**Publisher**

Carpenters International Training Fund

**Year**

2018

**Description**CC0003RG

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**Class Size Maximum**

20

**Entrance Skills**

Understand safety hazards on construction sites and the purpose of OSHA

**Requisite Course Objectives**

ACT 320-Discuss common safety hazards on construction sites.

ACT 320-Explain the purpose of Occupational Safety and Health Administration (OSHA) and their regulations for the construction industry.

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**Entrance Skills**

Be able 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.

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**Entrance Skills**

NASI hand signals for the construction industry.

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

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**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.

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**Course Content**

1. Overview of industry
2. Gypsum board
3. Tools used for gypsum board application
4. Application of gypsum board
5. Multiply application
6. Self-supporting gypsum partitions
7. Architectural noncombustible paneling over gypsum substrate
8. Resurfacing existing construction
9. Corner beads and casing
10. Fire-rated and sound-rated walls
11. Estimating drywall
12. Finishing standards
13. Drywall finishing tools
14. Drywall finishing materials
15. Drywall finishing procedures
16. Problems and remedies

**Course Objectives**

<b>Objectives</b>	
Objective 1	Identify the different types of drywall and their uses.
Objective 2	Explain the proper procedure for selecting the type and thickness of drywall required for specific installations.
Objective 3	Explain the proper selection process of fasteners for drywall installation.
Objective 4	Explain the schedule for fasteners for different types of drywall installation.
Objective 5	Explain the proper procedure for the installation of single-layer and multi-layer drywall using different types of drywall fastening systems.
Objective 6	Describe the proper procedure for installing drywall on light gage metal studs.
Objective 7	Explain the soundproofing characteristics of drywall.
Objective 8	Explain the proper procedure for estimating material quantities for a drywall installation.
Objective 9	Explain the differences between the six levels of finish established by industry standards.
Objective 10	Identify the hand tools used in drywall finishing.
Objective 11	Identify the automatic tools used in drywall finishing.
Objective 12	Identify the materials used in drywall finishing.
Objective 13	Identify various types of problems that occur in drywall finishing.
Objective 14	Explain the proper procedure for patching a damaged drywall.

**Student Learning Outcomes**

<b>Upon satisfactory completion of this course, students will be able to:</b>	
Outcome 1	Outline the procedure for selecting the different types of drywall and their application.
Outcome 2	Use manual and power tools used in drywall finishing.

**Methods of Instruction**

<b>Method</b>	<b>Please provide a description or examples of how each instructional method will be used in this course.</b>
Demonstration, Repetition/Practice	Install drywall in a lab setting.
Participation	Individual and group participation in evaluation of drywall estimation, materials and installation procedures.
Activity	Develop procedures for estimating materials and installing drywall.
Lecture	Presentation of text in context.
Discussion	Evaluation of estimates and installations.
Other (Specify)	Office and site visits

**Methods of Evaluation**

<b>Method</b>	<b>Please provide a description or examples of how each evaluation method will be used in this course.</b>	<b>Type of Assignment</b>
Presentations/student demonstration observations	Install drywall in a lab setting according to appropriate industry procedures.	In Class Only
Other	Quizzes, in-class exercises, Participation during office and site visits.	In and Out of Class
Written homework	Prepare estimates of materials and proposals for installation techniques for a variety of residential structure situations.	Out of Class Only
Student participation/contribution	Participation in evaluation of homework and lab installations.	In and Out of Class
Other	Out-of-class hours will be accounted for electronically through the learning management system.	Out of Class Only

**Assignments**

**Other In-class Assignments**

1. Individual projects to develop recommendations and material estimates.
2. Small group projects to evaluate recommendations and quality of lab installations.
3. Individual projects to develop safe and effective procedures for installing and finishing drywall.

**Other Out-of-class Assignments**

1. Review questions to determine knowledge of material presented in class.
2. Vocabulary terms.
3. Textbook readings.
4. Short-response papers to evaluate estimates and methods.
5. Prepare material estimates and installation procedure recommendations.

**Grade Methods**

Pass/No Pass Only

**Distance Education Checklist**

Include the percentage of online and on-campus instruction you anticipate.

**Online %**

25

**On-campus %**

75

**Instructional Materials and Resources**

**If you use any other technologies in addition to the college LMS, what other technologies will you use and how are you ensuring student data security?**

Only the college LMS will be used.

**Effective Student/Faculty Contact**

**Which of the following methods of regular, timely, and effective student/faculty contact will be used in this course?**

**Within Course Management System:**

Timely feedback and return of student work as specified in the syllabus  
Discussion forums with substantive instructor participation  
Regular virtual office hours  
Online quizzes and examinations  
Video or audio feedback  
Weekly announcements

**External to Course Management System:**

Direct e-mail  
Posted audio/video (including YouTube, 3cm mediasolutions, etc.)

**For hybrid courses:**

Scheduled Face-to-Face group or individual meetings  
Supplemental seminar or study sessions

**Briefly discuss how the selected strategies above will be used to maintain Regular Effective Contact in the course.**

Timely feedback and return of student work as specified in the syllabus.  
Discussion forums with substantive instructor participation.  
Online quizzes and examinations  
Weekly announcements.  
Face to face lab situations for actually installing drywall according to procedures learned in online lecture.

**If interacting with students outside the LMS, explain how additional interactions with students outside the LMS will enhance student learning.**

Students will participate in F2F lab or onsite project to install drywall in a residential structure using procedures learned in hybrid online lecture.

## Other Information

### 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 are comfortable they have achieved the skills and knowledge required to meet the outcomes and objectives of the course.

**Materials Fee**

No

**Additional Fees?**

No

## Approvals

**Curriculum Committee Approval Date**

11/05/2019

**Academic Senate Approval Date**

11/14/2010

**Board of Trustees Approval Date**

12/19/2019

**Chancellor's Office Approval Date**

01/10/2020

**Course Control Number**

CCC000611524

**Programs referencing this course**

Construction Technology Drywall Installation and Finish Certificate of Completion (<http://catalog.collegeofthedesert.eduundefined?key=285/>)