

ACT 326: DRYWALL INSTALLATION & FINISH

New Course Proposal

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Originator

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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

Resource Type

Instructional Materials

Title

Career Connections Project Book 3

Edition

Latest Edition

Publisher

Carpenters International Training Fund

Year

2018

DescriptionCC0003RG

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.

Entrance Skills

Be able to interpret information and instructions presented in both written and verbal form.

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

Entrance Skills

NASI hand signals for the construction industry.

Requisite Course ObjectivesACT 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 ObjectivesACT 320-Demonstrate critical thinking skills and the ability to solve problems using those skills.

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

Objectives	
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

Upon satisfactory completion of this course, students will be able to:	
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

Method	Please provide a description or examples of how each instructional method will be used in this course.
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

Method	Please provide a description or examples of how each evaluation method will be used in this course.	Type of Assignment
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/>)