

CNST A154: DRYWALL &TAPING

Item	Value
Curriculum Committee Approval Date	11/01/2023
Top Code	095280 - Drywall and Insulation
Units	2 Total Units
Hours	72 Total Hours (Lecture Hours 18; Lab Hours 54)
Total Outside of Class Hours	0
Course Credit Status	Credit: Degree Applicable (D)
Material Fee	No
Basic Skills	Not Basic Skills (N)
Repeatable	No
Open Entry/Open Exit	No
Grading Policy	Standard Letter (S)

Course Description

The study of various aspects of interior drywall, including layout and installation of drywall, cornerbead and bullnose trim. Students will learn how to estimate drywall projects. They will tape the interior of a house using hand tools. Students will be introduced to professional tools such as bazooka™s, 7 & 12 inch boxes, corner angles and corner finishers, mud runners and hand tools, texture application using a 10 gallon texture sprayer and smaller hoppers. Students will apply several different textures such as knockdown, orange peel, splatter and roller finish. Patch and drywall repair to match existing finishes. Transfer Credit: CSU.

Course Level Student Learning Outcome(s)

1. Determine the proper drywall materials needed to complete an installation and to estimate the proper equipment and labor necessary to do any job.
2. Apply the skills needed to complete the entire drywall process of installation.

Course Objectives

- 1. complete a drywall estimate
- 2. Identify the various types of drywall and their purpose.
- 3. Demonstrate how to install drywall using current industry tools.
- 4. Demonstrate the skills to patch and repair drywall.
- 5. Install all the metal or plastic trims materials.
- 6. Apply the skills to finish tape an entire house
- 7. Apply the skill to use different types of finishing tools.
- 8. Identify the types of scaffolding used in drywall and taping
- 9. Properly use equipment for spray texturing different patterns on drywall.
- 10. Determine when a house is ready for paint

Lecture Content

Orientation to lab classroom equipment Safety procedures for all work in the lab Identify drywall tools and materials Produce an estimate

Stock drywall into house Assign work stations Install drywall as per code Continue installing drywall Discuss various metal and plastic trims Install trim Continue installing trim Discuss various taping tools Tape embedment Continue tape embedment Demonstrate Application of first skim coat Apply second skim coat Discuss texture equipment Start wall texture Demonstrate how to do small Patch and repairs Cut 3 different types of patches Spray texture to match existing Final Exam, demo and clean up

Lab Content

A. ORIENTATION TO CONSTRUCTION AREA. 1. Safety procedures for all work in the lab. 2. Safety Examination. B .BASIC TOOLS FOR DRYWALL. 1. Power tools for the trade. 2. Learning to use the basic tools. C. DRYWALL INSTALLATION. 1. Installation of Drywall on ceiling. 2. Installation of Drywall on walls. D. CORNER BEAD INSTALLATION 1. Install metal corner beads with clinching tool. 2. Install metal corner with fasteners. 3. Taped on corner beads. 4. Specialty decorative corner beads. E. DRYWALL TAPING 1. Taping using hand tools with premixed paste compound. 2. Taping using hand tools with rapid drying compound 3. Levels 1-5 taping techniques F. PATCHES IN DRYWALL 1. Butterfly patches. 2. Metallic glue backed patches. 2. Wall texture 3. Knock down texture 4. Roller texture H. PAINTING 1.Paint preparation 2. Painting with roller and brush 3. Painting with an airless sprayer

Method(s) of Instruction

- Lecture (02)
- DE Live Online Lecture (02S)
- Lab (04)
- DE Live Online Lab (04S)

Instructional Techniques

Lecture, demonstrations, cooperative learning groups, and lab assignments.

Reading Assignments

Students will read about two hours per week from the assigned textbook.

Writing Assignments

Written assignments regarding lab competency of trade techniques - to be completed primarily in lab.

Out-of-class Assignments

Students will have approximately 2 hours per week outside of class on assigned reading; all other assignments are completed in the lab.

Demonstration of Critical Thinking

Students will be given various types of written tests for their evaluation in this course during this semester. These will include identification, multiple choices, fill-in the blank and mathematical calculation. Students will be required to due lab assignments. Students will be required to participate in class discussions and presentations

Required Writing, Problem Solving, Skills Demonstration

Homework assignments and lab competency of trade techniques.

Eligible Disciplines

Construction technology: Any bachelor's degree and two years of professional experience, or any associate degree and six years of professional experience.

Textbooks Resources

1. Required Ferguson, R. Myron. Drywall: Hanging and Taping: Professional Techniques for Great Results, 4th ed. Taunton Press, 2012
Rationale: -