



El Camino College
COURSE OUTLINE OF RECORD – Official

Course Acronym:	CTEC
Course Number:	141
Descriptive Title:	Interior Finishes
Division:	Industry and Technology
Department:	Construction Technology
Course Disciplines:	Construction Technology
Catalog Description:	This is a course in construction technology, covering interior finishes. Topics of instruction include door hanging, drywall installation and finishing, ceramic tile setting, California Building Code (CBC) and estimating. Practical instruction is provided in the use of tools and materials through construction laboratory work.
Prerequisite:	
Co-requisite:	
Recommended Preparation:	
Enrollment Limitation:	
Hours Lecture (per week):	2.5
Hours Laboratory (per week):	5
Outside Study Hours:	5
Total Course Hours:	135
Course Units:	4
Grading Method:	Letter Grade only
Credit Status:	Credit, degree applicable
Transfer CSU:	Yes
Effective Date:	04/16/2001
Transfer UC:	No
Effective Date:	
General Education: ECC	
Term:	
Other:	
CSU GE:	
Term:	
Other:	
IGETC:	

Term:	
Other:	
Student Learning Outcomes:	<p>SLO #1 Interior Subcrafts Materials and Methods Students will be able to demonstrate a basic application of materials and methods commonly used in residential construction.</p> <p>SLO #2 Door Swing Students will be able to correctly identify the "swing" of a door.</p> <p>SLO #3 Drywall Installation Students will be able to install drywall in accordance with the International Residential Code guidelines.</p>
Course Objectives:	<ol style="list-style-type: none"> 1. Draw a dimensioned elevation of a framed wall indicating all framing members from the sole plate to and including the cap plate. 2. Identify and discuss CBC requirements relevant to wall framing around door openings. 3. Describe the standard materials, methods, dimensions, code requirements and procedures associated with the installation of residential interior and exterior doors and door jambs. 4. Fabricate and install a door jamb to industry standards. 5. Cut, fit and install interior doors to industry standards. 6. Describe the standard materials, methods, dimensions, code requirements and procedures for the installation of drywall. 7. Cut, fit, install, tape, patch and texture drywall. 8. Cut, fit and set ceramic tiles.
Major Topics:	<p>I. Overview of interior finishes (5 hours, lecture)</p> <ol style="list-style-type: none"> A. Safety instructions B. Project requirements <p>II. Overview of interior finishes (10 hours, lab)</p> <ol style="list-style-type: none"> A. Safety test B. Tour of lab <ol style="list-style-type: none"> 1. Material storage 2. Building sites 3. Safety equipment 4. Large tool storage C. Tool room <p>III. Review of wall framing (5 hours, lecture)</p> <ol style="list-style-type: none"> A. CBC requirements B. Rough openings for doors C. Methods for wall bracing D. Sizing of headers E. Final check of framing members prior to door jamb installation <p>IV. Review of wall framing (10 hours, lab)</p> <ol style="list-style-type: none"> A. CBC requirements B. Rough openings for doors C. Methods for wall bracing

	<p>D. Sizing of headers E. Final check of framing members prior to door jamb installation</p> <p>V. Doors and door jambs (15 hours, lecture)</p> <p>A. Types and styles of doors B. Criteria for the selection of doors and appropriate hardware C. Door and door jamb installation procedures D. Door locks and hardware</p> <p>VI. Doors and door jambs (25 hours, lab)</p> <p>A. Types and styles of doors B. Criteria for the selection of doors and appropriate hardware C. Door and door jamb installation procedures D. Door locks and hardware</p> <p>VII. Interior wall coverings (10 hours, lecture)</p> <p>A. CBC requirements B. Drywall: materials and methods C. Installing drywall using single, double nail and screw methods D. Drywall joint treatments and texturing</p> <p>VIII. Interior wall coverings (25 hours, lab)</p> <p>A. CBC requirements B. Drywall: materials and methods C. Installing drywall using single, double nail and screw methods D. Drywall joint treatments and texturing</p> <p>IX. Ceramic tiles (5 hours, lecture)</p> <p>A. Types, sizes and selection B. Walls, floors, and counter tops C. Installation and grouting</p> <p>X. Ceramic tiles (10 hours, lab)</p> <p>A. Types, sizes and selection B. Walls, floors, and counter tops C. Installation and grouting</p> <p>IX. Painting (5 hours, lecture)</p> <p>A. Types and selection B. Interior paints C. Exterior paints D. Preparation E. Application</p> <p>XII. Painting (10 hours, lab)</p> <p>A. Types and selection B. Interior paints C. Exterior paints D. Preparation E. Application</p>
Total Lecture Hours:	45

Total Laboratory Hours:	90
Total Hours:	135
Primary Method of Evaluation:	3) Skills demonstration
Typical Assignment Using Primary Method of Evaluation:	Prepare a one-page drywall material list based upon plans and specifications. Submit material list to the instructor.
Critical Thinking Assignment 1:	Given a pre-existing doorway opening, cut, fit and install an interior door to conform to industry standards. Consult instructor for evaluation.
Critical Thinking Assignment 2:	Given a set of working drawings, determine the types and quantities of drywall required to complete the job and create a one-page materials list. Submit materials list to the instructor.
Other Evaluation Methods:	Class Performance Completion Matching Items Multiple Choice Performance Exams True/False Written Homework
Instructional Methods:	Demonstration Guest Speakers Lab Lecture Multimedia Presentations
If other:	
Work Outside of Class:	Problem solving activity Required reading Study Written work (such as essay/composition/report/analysis/research)
If Other:	
Up-To-Date Representative Textbooks:	Leonard Koel. <u>Carpentry</u> . 7th edition. American Technical Publishers, 2021
Alternative Textbooks:	
Required Supplementary Readings:	
Other Required Materials:	Pocket calculator Architectural scale Safety glasses Carpenter's nailing apron Appropriate shoes and attire for construction work
Requisite:	
Category:	

Requisite course(s): List both prerequisites and corequisites in this box.	
Requisite and Matching skill(s): Bold the requisite skill. List the corresponding course objective under each skill(s).	
Requisite Skill:	
Requisite Skill and Matching Skill(s): Bold the requisite skill(s). If applicable	
Requisite course:	
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Enrollment Limitations and Category:	
Enrollment Limitations Impact:	
Course Created by:	Tim Meza
Date:	02/01/2001
Original Board Approval Date:	03/19/2001
Last Reviewed and/or Revised by:	Ross Durand
Date:	03/28/2019
Last Board Approval Date:	1/17/2023