

SOUTHEAST COMMUNITY COLLEGE
CONSTRUCTION MANUFACTURING AND TECHNOLOGY DIVISION
Building Construction Technology Program
Revision Date: August 26, 2019

I. CATALOG DESCRIPTION

Course Number: CNST1200
Course Title: Advanced Carpentry
Prerequisite(s): CNST 1100 or CNST1201
Catalog Description: A continuation of CNST1100 Basic Carpentry. Investigate advanced residential carpentry framing methods and applications. Introduction to residential exterior and interior finish working with insulation, windows, drywall, trim, doors & door hanging, stairs, siding, cabinets, and countertops.
Credit Hours: 2
Class Hours: 0
Lab Hours: 90
Total Contact Hours: 90

II. COURSE OBJECTIVES: *Course will:*

- A. Introduce advanced framing theory and building code associated with residential construction.
- B. Introduce exterior finish for windows, doors, roofing, siding, decks, and moisture issues.
- C. Introduce residential interior finish of insulation, drywall, floorings, trim and installing doors.

III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES:

- A. Student Learning Outcomes: *Student will be able to:*
 - 1. Identify concrete materials, footings, walls, and slabs construction methods
 - 2. Apply advanced framing theory and building codes associated with residential and light commercial construction
 - 3. Recognize exterior finish for windows, doors, siding, roofing, decks & moisture issues.
 - 4. Illustrate residential interior finish of insulation, drywall, flooring, trim, & installing doors
 - 5. Explain designs, materials and methods of residential cabinetry and countertops
- B. General Education Learning Outcomes (GELOs)
 - 1. GELO #3: Critical Thinking & Problem Solving
Outcome 1: Collect, identify, interpret and analyze data.

IV. CONTENT/TOPICAL OUTLINE (*course outline may provide more detailed information*)

- A. Concrete construction
- B. Advanced Framing
- C. Exterior Finish
- D. Interior Finish
- E. Cabinets & Countertops
- F. CNC Programing

V. INSTRUCTIONAL MATERIALS

- A. Required Text(s): Vogt, Floyd, Residential Construction Academy - *Carpentry*, (Refer to CID and/or instructor for current edition)
- B. Other Resources: Calculator (recommend Construction Master)
- C. Supplies: 3-Ring Notebook for instructor handouts and a variety of woodworking hand tools

VI. METHODS OF PRESENTATION/INSTRUCTION

- A. Methods of presentation typically include a combination of the following:
 - 1. Lecture
 - 2. Classroom demonstration
 - 3. Video & computer presentations
 - 4. PowerPoint presentations
 - 5. Instructional handouts
 - 6. Lab projects and activities

VII. METHODS OF EVALUATION

- A. Methods of evaluation, although determined by the individual instructor, traditionally includes a combination of the following:
 - 1. Written assignments and projects
 - 2. Laboratory performance

VIII. SPECIFIC COURSE REQUIREMENTS

- A. Student must meet all of the following to receive a passing grade:
 - 1. Achieve a passing grade of "C" (70%) or higher, based on SCC grading scale.
 - 2. Submit own work. Students turning in homework, reports, field notes, or calculations by someone other than themselves will receive 0% and be referred to the Division Dean and Dean of Students for further disciplinary action. Consequences can include failing the course.
 - 3. Demonstrate attitude, skills, and character appropriate with industry standards.