

Revised 06/01

NVCC COLLEGE-WIDE COURSE CONTENT SUMMARY

BLD 133 - CARPENTRY FRAMING III (5CR.)

COURSE DESCRIPTION

Continues the study of carpentry with emphasis on residential construction. Covers safety on the job, appropriate use of power tools, basic construction techniques, an introduction to working drawings, and the team approach to residential buildings. Continues the study of selection and use of ladders and scaffolds, basic form removal and demolition, and use of basic first aid. Lecture 3 hours. Laboratory 4 hours. Total 7 hours per week.

GENERAL COURSE PURPOSE

Introduces the student to the basics of carpentry framing for residential houses.

ENTRY LEVEL COMPETENCIES

Ability to work with whole numbers, common fractions, and measurement; read basic construction text; use basic verbal communication skills; and do basic problem solving.

COURSE OBJECTIVES

Upon successful completion of this course the student will be able to:

- A. identify basic knowledge and specific uses of hand tools and power tools
- B. describe the safety rules for hand tools and power tools
- C. identify the five basic measuring tools and their functions
- D. read a rule in feet, inches, and fractions to 1/16 inch
- E. check condition of foundation
- F. install sill plate, posts, beams, girders, floor joists
- G. install bridging and blocking, and subfloor sheathing
- H. lay out wall on floor deck; lay out wall plates and ceiling
- I. cut wall plates, studs, headers, jacks, sills and cripples
- J. frame door and window openings; assemble wall section
- K. install wall blocking, fire stops, corner brace, exterior sheathing, ceiling joists, ribband, strongback
- L. raise and anchor wall section; plumb, align, brace wall
- M. install support posts, girders, decking, railing

MAJOR TOPICS TO BE INCLUDED

- A. Use and maintenance of hand and power tools
- B. Use and maintenance of basic measuring tools and equipment
- C. Wall Framing
- D. Porch and Deck Framing