

Revised 06/01

NVCC COLLEGE-WIDE COURSE CONTENT SUMMARY

BLD 134 - CARPENTRY FRAMING IV (5 CR.)

COURSE DESCRIPTION

Continues the study of carpentry with emphasis on residential construction. Includes the concepts of carpentry framing for floors, walls, ceilings, porches and decks. Includes theoretical and practical application as well as the concepts of carpentry framing for roof, truss installation and door and window installation. Lecture 3 hours. Laboratory 4 hours. Total 7 hours per week.

GENERAL COURSE PURPOSE

Introduces the student to the more advanced concepts 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. lay out roof framing detail and rafters
- B. cut and install rafters
- C. frame gable end and gable end overhang
- D. frame blind valley and chimney saddle
- E. frame gable dormers and shed dormers
- F. install collar beams, support purlins, roof sheathing
- G. lay out for truss installation
- H. set trusses by hand and with light crane
- I. brace trussed roof assembly; frame opening in roof assembly
- J. lay out straight run stair stringer
- K. cut basement stair components; install prefab stair unit
- L. install pre-hung window and exterior door
- M. install sidelight and transom
- N. assemble and install sliding glass or French patio door
- O. install inside jamb for garage door

MAJOR TOPICS TO BE INCLUDED

- A. Roof Framing
- B. Truss installation
- C. Stair construction and installation
- D. Door and window installation