

NVCC COLLEGE-WIDE COURSE CONTENT SUMMARY

BLD 249 – CARPENTRY II (3 CR.)

COURSE DESCRIPTION

Presents advanced concepts of carpentry as they relate to residential/light construction, including theoretical and practical applications. Covers advanced framing techniques, finish and trim systems, and calculations commonly required in all phases of light construction. Lecture 3 hours per week.

GENERAL COURSE PURPOSE

To introduce the student to the more complex areas of the carpentry trade.

ENTRY LEVEL COMPETENCIES

Prerequisite for this course is BLD 149 – “Carpentry I”. The student must have basic carpentry level skills and knowledge, plus the ability to work with whole numbers, common fractions, and measurements. The student must also have the ability to read construction text. Basic verbal communication skills and basic problem solving is also a must.

COURSE OBJECTIVES

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

- A. analyze and comprehend advanced framing techniques (to include engineered systems, and apply that knowledge in the field
- B. demonstrate an understanding and working knowledge of finish and trim systems on the interior and exterior of structures
- C. calculate materials needed and apply appropriate construction methods in all phases of residential/light construction carpentry

MAJOR TOPICS TO BE INCLUDED

- A. Advanced framing techniques
- B. Engineered systems
- C. Interior and exterior trim
- D. Cladding systems
- E. Interior finishes
- F. Material take-offs
- G. Project layout and progression