

Virginia Western Community College

BLD 110

Introduction to Construction

Prerequisites

None

Course Description

Covers basic knowledge and requirements needed in the construction trades. Introduces use of tools and equipment, with emphasis on construction safety, including personal and tool safety. Provides a working introduction to basic blueprint reading and fundamentals of construction mathematics.

Semester Credits: 3 Lecture Hours: 3 Lab/Clinical/Internship Hours: 0

Required Materials

Textbook:

Carpentry, Floyd Vogt, 4th edition, 9781305086180

Other Required Materials:

Safety Glasses

Course Outcomes

At the completion of this course, the student should be able to:

- Understand the basics of construction
- Be able to safely and properly use basic construction tools and equipment
- Read construction blueprints
- Perform basic construction mathematics
- Understand basic construction terms and perform basic construction math by 71% of students scoring a 70% or above on the final exam

Topical Description: (Subject to change and amendment)

1. Orientation to the Trade
2. Building Materials, Fasteners, and Adhesives
3. Hand and Power Tools
4. Introduction to Construction Drawings
5. Floor Systems
6. Wall Systems

7. Ceiling and Roof Framing
8. Exterior Finishing
9. Basic Stair Layout

Notes to Instructors

None