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### CSTN 120.B01: Carpentry Basics and Rough Framing

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## **COURSE SYLLABUS**

**Missoula College University of Montana  
Department of Industrial Technology  
Carpentry Program**

**COURSE NUMBERS AND TITLES:** CSTN 120 (Carpentry Basic and Rough Framing)  
CSTN 122 (Beginning Carpentry Lab)

**SEMESTER CREDITS:** 5

**PREREQUISITES:** None

**FACULTY:** Jim Schafer

**Email:** james.schafer@mso.umt.edu

**PHONE:** (406) 243-7639 (office)

(406) 396-7087 (cell)

**OFFICE:** West Campus, adjacent to Main Office

**OFFICE HOURS:** By appointment

**TEXT:** *CARPENTRY* (Sixth edition) by Floyd Vogt; various handouts

**RELATIONSHIP TO PROGRAM(S):** This course is in the first semester of the one-year Certificate of Applied Science or the two-year Associate of Applied Science degree in the Carpentry Program.

**COURSE DESCRIPTION:** Introduction to the carpentry trade, including history, career opportunities and requirements. The course covers building materials, fasteners, adhesives, hand and power tools. OSHA rules and regulations for a safe work place and procedures for compliance are covered. This course includes a two-credit imbedded lab in which students will participate in the construction of a house or other type of building.

**COURSE OUTLINE:**

- 1) Trade orientation
- 2) Construction safety and health
- 3) Hand and power tools of the trade
- 4) Building materials, fasteners and adhesives
- 5) Floor systems
- 6) Wall and ceiling framing
- 7) Roof framing
- 8) Windows and exterior doors

**STUDENT PERFORMANCE OUTCOMES:** (Occupational Performance Objectives)

Upon completion of this course, the student will demonstrate:

- 1) Evidence of a thorough understanding of the history, career opportunities and responsibilities of a carpenter.
- 2) Evidence of a thorough understanding of building materials, fasteners and adhesives.
- 3) Competency in the safe handling of hand and power tools used in the carpentry industry.
- 4) Evidence of a thorough understanding of floor framing layout and construction.
- 5) Evidence of a thorough understanding of wall and ceiling layout and construction.
- 6) Evidence of a thorough understanding of basic roof layout and construction.
- 7) Evidence of a thorough understanding of window and door installation.

#### **GRADING PROCEDURES:**

##### **Grading Scale:**

90%-100%: A  
80%-89%: B  
70%-79%: C  
60%-69%: D  
Below 60%: F

##### **Grade Breakdown:**

Lecture: Tests—80%  
Participation—10%  
Attendance—10%  
Lab: Performance—80%  
-tool handling  
-participation  
-workmanship

**NOTE:** Courses must be passed with a C minus (C-) or greater to count toward degree/certificate requirements.

**ACADEMIC INTEGRITY:** All students must practice academic honesty. Academic misconduct is subject to an academic penalty by the course instructor and/or a disciplinary sanction by the University. All students need to be familiar with the Student conduct Code. The code is available for review online at: <http://www.umt.edu/SA/VPSA/index.cfm/page/1321>.

**DISABILITY ACCOMMODATION:** Eligible students with disabilities will receive appropriate accommodations in this course when requested in a timely way. Please contact me after class or in my office. Please be prepared to provide a letter from your DSS Coordinator. For more information, visit the Disability Services website at <http://www.umt.edu/dss/> or call (406) 243-2243 (Voice/Text).

#### **REQUIRED SUPPLEMENTAL MATERIAL:**

- Hard-cover 3-ring binder
- Safety glasses and hearing protection
- Construction calculator