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CSTN 299.B01: Capstone - Carpentry Lab

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**THE UNIVERSITY OF MONTANA
COLLEGE OF TECHNOLOGY
DEPARTMENT OF INDUSTRIAL TECHNOLOGY**

COURSE SYLLABUS

COURSE NUMBER AND TITLE: CSTN 299 Carpentry Capstone Lab

DATE REVISED: August 2018

SEMESTER CREDITS: 2

CONTACT HOURS PER SEMESTER: Lab hours per week 4

PREREQUISITES: CSTN 171 Site Work and Foundations; CSTN 120 Carpentry Basic & Rough In Framing; CSTN 122 Beginning Carpentry Lab; CSTN 142 Interior and Exterior Finish Carpentry; CSTN 143 Intermediate Carpentry Lab. **CO-REQUISITE:** CSTN 261 Building Management.

FACULTY: Walt Wilson, Instructor, Sustainable Construction Technology

E-Mail: walt.wilson@mso.umt.edu

Phone: 243-7646 Office

Office: West Campus

Office Hours: By appointment or as posted on Faculty office door

RELATIONSHIP TO PROGRAM(S):

This course is in the second year of the two-year AAS Carpentry Degree program.

COURSE DESCRIPTION:

This course provides hands-on experience in which the student applies with MINIMAL supervision the skill and knowledge presented in the Carpentry Program. The course will emphasize advanced application in the areas of exterior finishing and interior finishing.

STUDENT PERFORMANCE OUTCOMES:

Occupational Performance Objectives

Upon completion of this course, the student will demonstrate:

1. Skilled proficiency in the use of basic hand and power tools used for woodworking, residential, and commercial construction.
2. One or more projects highlighting skilled proficiency in one or more of the following areas of residential construction:
 - A. Lot, Site, and Design
 - B. Concrete Construction, Rough Framing
 - C. MEP Services
 - D. Interior painting and staining application
 - E. Interior door and finish trim application
 - F. Cabinet and countertop installation
 - G. Woodworking, Furniture Building or other finish Carpentry application

STUDENT PERFORMANCE ASSESSMENT METHODS AND GRADING PROCEDURES:

Grading Scale:

90 - 100%	=	A
80 - 89%	=	B
70 - 79%	=	C
60 - 69%	=	D
0 - 59%	=	F

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

Grade Breakdown:

Lab:	Performance	80%
	Tests	
	Tool handling	
	Participation	
	Work quality	
	Safety	20%

Note:

1. Tests will be as required.
2. Safety glasses are required when in the lab.
3. Hearing protection is required in lab.

HOW VARIOUS ASSESSMENT METHODS WILL BE USED TO IMPROVE THE COURSE:

1. Student course evaluations
2. Peer feedback
3. Advisory committee feedback

ATTENDANCE POLICY:**REQUIRED TEXT:**

CARPENTRY by Vogt 2010

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).

NOTE: Faculty reserves the right to modify syllabi and assignments as needed based on faculty, student, and/or environmental circumstances.

COURSE OUTLINE:

1. Student and Instructor determine the scope and outline for a suitable Capstone Project with a minimum of the required 60 total lab hours to complete.

2. After written approval of project, student applies all skills required to complete the project with minimal supervision.
3. Final write up including preliminary research, design, resources, progress documentation, and completed project results submitted for grading.