

CASPER COLLEGE
COURSE SYLLABUS

COURSE NUMBER & TITLE: WELD 1555-60 WELDING TECHNOLOGY SAFETY

SEMESTER/YEAR: Fall 2015

LECTURE HOURS: 1 LABORATORY HOURS: 1 CREDITS: 1.5

CLASS TIME: 1:00 - 3:00 p.m. TTH ROOM: WT 128/141
8/25/15-10/15/15

INSTRUCTOR'S NAME: Darin Miller

INSTRUCTOR'S CONTACT INFORMATION:

Office Location: WT 129A

Office Phone: 268-2278

EMAIL: dmiller@caspercollege.edu

OFFICE HOURS: As posted

COURSE DESCRIPTION: This course is designed to increase awareness of accident prevention and to recognize potential hazards in the working environment. Emphasis in the theory and practice of using and maintaining hand tools and shop equipment including good working habits toward drilling, tapping, grinding, filing, letter stamping, metal cutting, drill sharpening, machine guarding, rigging, and layout.

STATEMENT OF PREREQUISITES: None

GOAL: For the student to acquire a knowledge and appreciation of hand and power tool use and maintenance.

OUTCOMES: To develop proper safety procedures and recognize potential hazards before they turn into accidents. To identify tools and common hardware in the welding trade and know their proper use. Sharpening of cutting tools and twist drills. Demonstrate effective oral and written communication.

Solve problems using critical thinking and creativity.

Use appropriate technology and information to conduct research.

METHODOLOGY: One lecture hour per week and three lab hours.

EVALUATION CRITERIA: The student will be evaluated on quizzes, tests, and lab projects. There will be three written tests, and two mandatory lab projects. The final test will be comprehensive and worth 30% of the final grade.

GRADING SCALE

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

Attendance Policy: Attendance is of utmost importance. Unexcused absences in the excess of 4 will result in the loss of one letter grade. Due to the consideration of the instructors and students, you **must** be present at the designated starting class time or you will not be allowed to participate unless prior arrangements with the instructor have been made.

Tool Use: Misuse of shop tools will result in the loss of tool privileges.

REQUIRED TEXTS, READINGS, AND MATERIALS: Handouts and information packets

CLASS POLICIES:

Last Date to Change to Audit Status: See current Casper College catalog.

Last Date to Withdraw with a W Grade: See current Casper College catalog.

No cell phones or other electronic devices are allowed in the classroom or laboratories.

SAFETY: Personal and equipment safety standards will be strictly enforced. It is the individual's responsibility to develop and use a safe work attitude.

STUDENT RIGHTS AND RESPONSIBILITIES: Please refer to the Casper College Student Conduct and Judicial Code for information concerning your rights and responsibilities as a Casper College Student.

Chain of Command: If you have any problems with this class, you should first contact the instructor in order to solve the problem. If you are not satisfied with the solution offered by the instructor, you should then take your problem through the appropriate chain of command starting with the Department Head/Program Director, the Academic Dean, and lastly the vice president for academic affairs.

Academic Dishonesty - Cheating & Plagiarism: Casper College demands intellectual honesty. Proven plagiarism or any form of dishonesty associated with the academic process can result in the offender failing the course in which the offense was committed or expulsion from school. See the Casper College Student Code of Conduct.

Official Means of Communication: Casper College faculty and staff will employ the student's assigned Casper College email account as a primary method of communication. Students are responsible to check their account regularly.

ADA Accommodations Policy: If you need academic accommodations because of a disability, please inform me as soon as possible. See me privately after class, or during my office hours. To request academic accommodations, students must first consult with the college's Disability Services Counselor located in the Gateway Building, Room 344, (307) 268-2557, bheuer@caspercollege.edu. The Disability Services Counselor is responsible for reviewing documentation provided by students requesting accommodations, determining eligibility for accommodations, and helping students request and use appropriate accommodations.

CALENDAR OR SCHEDULE INDICATING COURSE CONTENT:

TOPICAL OUTLINE:

1. Hand tools
2. Common Hardware
3. Safety
4. Drill Grinding Gauge
Lab Project
5. Machine Guarding
6. Hazard Communication
7. MSDS's
8. Parts of a File
9. Parts of a Twist Drill
10. Cutting Speed and Formula
11. Tap and Drill Gauge
Lab Project
12. Sharpening Twist Drills
13. Weights and Cost of Steel
14. Blade Terminology