CASPER COLLEGE
COURSE SYLLABUS

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

SEMESTER/YEAR: Fall 2006

LECTURE HOURS: 1  LABORATORY HOURS: 1  CREDITS: 1.5

CLASS TIME: 1:00 - 3:00 p.m. TTH  ROOM: WT 141
8/29/06-10/17/06

INSTRUCTOR'S NAME: Darin Miller

INSTRUCTOR’S CONTACT INFORMATION:
Office Location: WT 145
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.

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

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<tr>
<td>100 - 90</td>
<td>A</td>
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<td>89 - 80</td>
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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 or to withdraw with a W Grade: Please refer to current Casper College catalog.

**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, then the division chair, 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.

**ADA Accommodations Policy:** It is the policy of Casper College to provide appropriate accommodations to any student with a documented disability. If you have a need for accommodation in this course, please make an appointment to see me at your earliest convenience.

**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