

CASPER COLLEGE
COURSE SYLLABUS

COURSE NUMBER & TITLE: WELD 1650-80 Print Reading

SEMESTER/YEAR: Fall 2015

LECTURE HOURS: 2 LABORATORY HOURS: 0 CREDITS: 2

CLASS TIME: 1:00 - 2:50 p.m. TTH ROOM: WT 141
10/22/15 – 12/17/15

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: Designed to develop technical understanding of standard American Welding Society (AWS) symbols contained on engineering drawings and to effectively use this information to communicate welding instructions from the designer to the welder and fitter.

STATEMENT OF PREREQUISITES: None

GOAL: For the student to acquire an understanding of the principles, systems of views, lines and symbols, and dimensional data for fit-up and welding as provided on engineering drawings or blueprints.

OUTCOMES: To develop proper print reading and mechanical drawing techniques and to recognize welding & piping symbols on standard prints used in industry.

Demonstrate effective oral and written communication.

Solve problems using critical thinking and creativity.

Use appropriate technology and information to conduct research.

METHODOLOGY: Lecture, tests, assignments

EVALUATION CRITERIA: The student will be evaluated on five (5) tests, three (3) homework assignments, and a final comprehensive test.

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:

Blueprint Reading for Welders, 5th Edition, A. E. Bennett

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:

<i>Week</i>	<i>Topic</i>	<i>Text</i>
1.	Basic Lines & Views Sketching Notes & Specifications	Bennett Units 1, 2, 3
2.	TEST #1 Dimensions Structural Shapes Other Views	Bennett Units 4, 5, 6
3.	TEST # 2 Sections Detail & Assembly Prints General Abbreviations & Symbols	Bennett Units 7, 8, 9
4.	Welding Symbols & Abbreviations Basic Joints for Weldment Fabrication Fillet Welds	Bennett, Units 10, 11, 12
5.	TEST # 3 Groove Welds Back or Backing & Melt-Thru Welds PLUG & SLOT WELD	Bennet, Units 13, 14, 15
6.	TEST #4 Flange Welds Spot Welds	Bennet, Units 16, 17, 18
7.	Projection Welds Seam Welds Stud Welds Summary of Standard Welding Symbols Pipe Welding Symbols	Bennet Units 19, 20, 21, 22, 23
8.	Dual Dimensioning Inspection & Testing	Bennett Units 25, 26

Final Test

