

IOWA WESTERN COMMUNITY COLLEGE
Course Syllabus Information
WEL-149-01

Term: Spring 2015

I. Faculty Information:

Instructor: Tim Branan

Phone: (402) 740-3248
e-mail: tbranan@iwcc.edu
Office: DOD-1016
Office Hours: By Appointment

II. Course Information:

| <u>Course Prefix/ No.</u> | <u>Course Name</u> | <u>Credits</u> | <u>Lecture</u> | <u>Lab</u> |
|---------------------------|--------------------|----------------|----------------|------------|
| WEL-149 | Arc Welding | 3 | 3 | 0 |

Course Description:

Arc Welding covers the fundamentals and technical knowledge of arc welding in the flat position on mild steel with different rods on different thicknesses of metal. Welding safety practices are also stressed.

Prerequisites:

None.

Course Meeting Times

WEL-149-01 TTH 10:30-11:45

Course Location

D1016

Required Textbooks

Modern Welding by Andrew B. Althouse, Carl H. Turnquist, William A. Bowditch, Kevin E. Bowditch; 10th Edition

Suggested Supplemental Textbooks, References

None

Materials and Supplies to be Furnished by Student

1. Notebook
2. Pencil
3. Textbook

Course Objectives

Upon successful completion of this course, the student should be able to:

- A. Demonstrate welding safety.
- B. Demonstrate basic knowledge in Welding Print Reading.
- C. Demonstrate basic knowledge in Welding and Cutting Processes.
- D. Demonstrate basic knowledge of Inspecting and Testing Welds.
- E. Demonstrate Procedures and Welder Qualifications.

Course Practices

1. Attendance Requirements: Students are responsible for attending classes as scheduled. If an absence is unavoidable, the student is responsible for obtaining class notes from other students.
2. Cellular Phone: Cell phones will be turned off during class. Texted messaging will not be allowed during scheduled class time. If a student's cell phone rings or he/she is texting, the student will be asked to leave the class room for the remaining time of class.
3. Standards for Written Work: Homework may be typed or legibly handwritten. Proper grammar and punctuation will be used. Homework is due on dates on class outline or announced by instructor.
4. Late Papers and Assignments: Late work will not be accepted.
5. Missed Exams: If a student misses a scheduled examination, a make-up may be taken without penalty. The make-up exam will be comparable but different than the original exam. Students will have one class period to complete missed exam.
6. Extra Credit: No extra credit will be offered or rewarded.
7. Participation: Success in anything requires participation. Acceptable participation is:
 1. Being on time for class.
 2. Being prepared (reading material and completing assignments).
 3. Asking and answering questions in class.
 4. Being active in group discussions and exercises.
 5. Providing the instructor with feedback.

Instructional Techniques and Practices

Techniques utilized will be lectures, individual and group discussions and exercises.

Safety Practices and Policies

All students will be required to read, understand and follow all safety rules and requirements established by local, State, Federal and the Iowa Western Community College lab policies.

If safety violations occur, the student is subject to disciplinary action. All this information can be referenced in the Iowa Western Community College Handbook, under Student Conduct.

Classroom Assessment

The instructor will periodically obtain and evaluate formal and informal feedback from students in order to evaluate learning and refine instruction.

Grading

Final grade will be given based on a point system including, but not limited to:

| | |
|---------------|-----|
| Daily Quizzes | 69% |
| Quizzes | 11% |
| Lab Exams | 11% |
| Final | 9% |

The percent value for lab/class participation, quizzes, test, projects, mid-term exam and final exam are based on the students overall grade.

| | |
|---------------|---|
| Daily Quizzes | 31 Quizzes@50 Points per Quiz = 1550 Points |
| Quizzes | 5 Quizzes @ 50 Points per Quiz= 250 Points |
| Lab Exams | 5 Exams @ 50 points per Exam = 250 Points |
| Final Exam | 1Exam @ 200 Points = 200 Points |

2,250 Total Points

Grading Policy

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

Iowa Western Community College uses the following grading scale:

- A-Indicates superior work and excellent progress.
- B-Indicates work and progress above the average standard.
- C-Indicates work and progress that meets the average standard.
- D-Indicates work and progress below the average standard.
- F-Indicates work and progress below the minimum standard.
- I-Indicates that course requirements have not been completed.

The justification for awarding a grade of incomplete is one in which:

- a. Significant health issues (individual or family member) which have interfered with the student's ability to complete assigned work within the semester which has been scheduled in the course.
- b. Significant personal crisis within an individual's life that has seriously disrupted the student's ability to complete coursework.
- c. A student should have completed a minimum of 75% of the assignments with an overall grade of "C: or better.

Other Course Information

Important Dates:

| | |
|----------------|---|
| January 12 (M) | Spring Classes Begin |
| Jan 14 (W) | Last Day to add Accelerated Sessions 1 Classes |
| Jan 16 (F) | Last Day to add Regular Term session day classes |
| Jan. 17 (S) | Sat. classes begin |
| Feb. 19-20 | Facility Work/Staff Development Days – No Day Classes |
| Feb.23 (M) | Last Day to drop Accelerated Session 1 classes Last day to apply for spring graduation |
| Mar.4 (W) | Midterm |
| Mar.6 (F) | Accelerated Session I Classes end |
| Mar 7 (S) | Academy for teaching Excellence –Professional Development |
| Mar.9 (M) | Accelerated Session II Classes Begin |
| Mar.11 (W) | Last Day to add Accelerated Session II Classes |
| Mar.16-19 | Spring Break |
| Mar.20 (F) | Holiday – College Offices close |
| Apr.3 (F) | Holiday – College Offices close |
| Apr.13 (M) | Last Day to drop Regular Term session II Classes |
| Apr. 27 (M) | Last day to drop Accelerated Session II classes |
| May 8 (F) | Accelerated Session classes end |
| May 15 (F) | Regular Term session classes end |
| May 16 (S) | Spring graduation ceremony at Council Bluffs |

Computer Usage

The student will use a computer to communicate with the instructor via email, and to check their progress in this course on Sail.

Oral and Written Communications

The students must be able to communicate effectively and concisely with fellow students and the instructor.

Problem Resolution

If you have a conflict with me, concerns about my teaching and/or the course material, please discuss this first with me. If we cannot resolve the difficulty, contact David Hazlewood, Program Chair, at 712-325-3362 or dhazlewood@iwcc.edu.

Notice of Class Cancellation

1. Emergency closing of entire campus such as for weather – Students will be notified through the Reiver Alert system. Students must register for this services; find Reiver Alert on your SAIL homepage.
2. Emergency cancellation of a class session such as for faculty illness – Students will be notified through an announcement on the SAIL course page if possible and/or a posted note on the classroom door.

Course Topical Outline and Schedule

| | Tuesday | Thursday |
|--------------|---------------------------------------|--|
| Jan 13-15 | Chapter 1 | Chapter 1 – Quiz/Daily Quiz |
| Jan 20-22 | Chapters 5-6/Daily Quiz | Chapters 5-6 –Quiz/Daily Quiz |
| Jan 27-29 | SMAW Practical Application/Daily Quiz | SMAW Practical Application/Daily Quiz |
| Feb 3-5 | SMAW Practical Application/Daily Quiz | SMAW Practical Application/Daily Quiz |
| Feb 10-12 | SMAW Practical Application/Daily Quiz | SMAW Practical Application/Daily Quiz |
| Feb 17-19 | SMAW Practical Application/Daily Quiz | SMAW Practical Application/Lab Exam/ Daily Quiz |
| Feb 24-26 | Chapter 9 /Daily Quiz | Chapter 9 – Quiz/Daily Quiz |
| Mar 3-5 | GMAW Practical Application/Daily Quiz | GMAW Practical Application/Daily Quiz |
| Mar 10-12 | GMAW Practical Application/Daily Quiz | GMAW Practical Application/Daily Quiz |
| Mar 24-26 | SPRING BREAK | SPRING BREAK |
| Mar 31-Apr 2 | GMAW Practical Application/Daily Quiz | GMAW Practical Application/Lab Exam/ Daily Quiz |
| Apr 7-9 | Chapter 10/Daily Quiz | Plasma Arc Cutting Application/Lab Exam/ Daily Quiz |
| Apr 14-16 | Chapter 12/Daily Quiz | Oxyfuel Gas Cutting Application/Lab Exam/ Daily Quiz |
| Apr 21-23 | Chapter 17/Daily Quiz | Brazing and Braze Welding Application/Lab Exam/ Daily Quiz |
| Apr 28-30 | Chapter 23/Daily Quiz | Chapter 23 – Quiz/Daily Quiz |
| Apr 5-7 | Chapter 30/Daily Quiz | Chapter 30 – Quiz/Daily Quiz |
| May 12-14 | Final Exam Review | Final Exam |

- **Schedule is subject to change based on course instructor**

III. College Policy/Information

Honor Code – Academic Honesty

Upon enrolling at Iowa Western Community College, each student assumes an obligation to conduct her/his academic affairs in a manner compatible with the standards of academic honesty established by the College and its faculty. If this obligation is neglected or ignored by the student, disciplinary action will be taken.

Diversity Statement

Iowa Western Community College values diversity and supports learning experiences that promote intellectual growth and human enrichment.

American with Disabilities Act Statement

If you are an individual with a disability who requires an accommodation to fully participate in academic programs or campus activities, please email disabilityservices@iwcc.edu or call 712-325-3299. Accommodations are arranged through the Student Success Office, located in the Student Center (2nd floor). Please allow for adequate time to implement your accommodations.

Any student with mobility impairments should prepare for an emergency ahead of time by instructing faculty and/or classmates on how to assist in case of an evacuation.

FERPA

Student rights concerning access to educational records are spelled out in Federal Public Law 98-380 as amended by Public Law 93-568 and in regulations published by the Department of Education. The law and regulations require educational institutions to limit the disclosure of information from the student's record to those who have the student's written consent or to officials specifically permitted within the law. Students who wish to grant access to their class schedule, transcript of final grades, and progress reports may do so by submitting an Access to Student Information Consent Form to the Records and Registration Office. Access to information is only given at the Records and Registration Office.

For more information, including the full Access to Student Information policy, refer to the Iowa Western Community College General Catalog or contact the Records and Registration Office.

Cyber-Library and Academic Support

- Students can access books, magazines, journals, newspapers, films and audio books 24/7 through the *Cyber-Library* by clicking on the Cyber Library under Academics in ROC.
- For questions about finding information at your campus or center, email cyberlibrary@iwcc.edu or call 712-325-3247 for the Council Bluffs Campus or 712-542-5117 for the Clarinda Campus. You can find the library hours posted on ROC.

- FREE tutoring and academic assistance are available through the *Academic Support Center*, located on the second floor of the Student Center on the Council Bluffs campus in a variety of core, general requirement classes.
 - One-on-one assistance is available on a walk-in basis or by appointment for certain subjects.
 - Group tutoring is available, but must be scheduled in advance.
- FREE online tutoring is available through SMARTHINKING on ROC, to access SMARTHINKING, locate Online Tutoring next to My ROC Classes.
- For more information about tutoring services or help in your classes, email tutoring@iwcc.edu or call 712-388-6841. A full tutoring schedule is posted by subject area on ROC.

Dropping Classes

While we encourage you to do everything you can to complete your classes, it is always better to drop a class than to fail it. If it becomes necessary for you to drop a class you can drop a class online through ROC up to the last day to drop. We recommend that you always talk to your advisor and financial aid before you drop a class. For more information on dropping classes see the Advising Information Site in ROC under the Academics tab.

Personal Electronic Devices

To provide an environment conducive to learning, Iowa Western Community College requires that cellular phones, pagers, and other personal electronic devices be turned off or set to vibrate when entering classrooms, computer labs, library, offices, auditoriums, or arena areas. Cellular phones with picture taking capabilities are not allowed in bathrooms, locker rooms or other areas where there is a reasonable expectation of privacy. Faculty members do have the right to prohibit the use of any electronic device in their classroom.

EQUAL EDUCATIONAL OPPORTUNITY AND NON-HARASSMENT

Iowa Western Community College is committed to a policy of equal educational opportunity. Therefore the College prohibits discrimination on the basis of unlawful criteria such as race, color, creed, religion, national or ethnic origin, ancestry, genetic information, physical or mental disability, age, sex, sexual orientation, gender identity or expression, pregnancy, marital status, veteran status, AIDS/HIV status, citizenship, or medical condition, as those terms are defined under applicable laws, in admitting students to its programs and facilities and in administering its admissions policies, educational policies, scholarship and loan programs, athletic programs, and other institutionally administered programs or programs made available to students. In keeping with this policy of equal educational opportunity, the College is committed to creating and maintaining an atmosphere free from all forms of harassment.