

# COURSE INFORMATION DOCUMENT

## WELD 1101– SMAW I

Prerequisite:

Revised - 9/22/2023

CREDIT HOURS..... 3.5

CLASSROOM HOURS..... 30

LAB HOURS..... 68

TOTAL CONTACT HOURS..... 98

**Instructor Contact Information: Mrs. Staehr**

- Email: rachelle.staehr@yorkdukes.org
- Phone: 402-710-2661
- Office hours: 5A – 5B

**Class Location: B10**

**Class Times: 3<sup>rd</sup> Period**

**Class Dates: 09/14-12/20**

**Drop Deadline: 9/26/19** It is recommended that students receiving financial aid contact the financial aid officer prior to withdrawing from a course to determine how their aid may be affected.

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- See registration, student calendar, or the HUB for information on dropping this class.

<b><u>Assigned Reading</u></b>		<b><u>Due Date</u></b>
Modern Welding Ch 1 pgs 3-22	5 Hrs	9/2/19
Modern Welding Ch 5 pgs 103-124	5 Hrs	9/2/19
Modern Welding Ch 6 pgs 153-186	5 Hrs	9/2/19
Modern Welding Ch 24 pgs 637-642	5 Hrs	9/2/19
Tools and equipment	10 Hrs	8/30/19

<b><u>Homework Assignments</u></b>		<b><u>Due Date</u></b>
Safety Quiz (Arc) ch 1 pg 23, 1-10	5 Hrs	9/2/19
Worksheet for Ch 5	5 Hrs	9/2/19
Worksheet for Ch 6	5 Hrs	9/2/19
Worksheet for Ch24	5 Hrs	9/2/19
Tools Worksheets	10 Hrs	8/30/19
Weekly: Each student will have a reflection discussion with the instructor about their lab experience		

**TIME LINE:**

- Class 1: Orientation/Introduction to Tools & Equipment (10 Hours)
- Class 2: SMAW Power Sources & Equipment Setup (5 Hours)
- Class 3: Midterm Test/Electrodes and Techniques (5 Hours)
- Class 4: Arc Gouging/Electrode Practice (5 Hours)
- Class 5: Final Test/Setup Test (5 Hours)
- Lab Days: Complete SMAW I Welding Units (68 Remaining Hours)

**COURSE OBJECTIVE:**

- The student will understand the safe operation of the Shielded Metal Arc Welding process
- The student will be able to demonstrate the proper setup and operation of a Shielded Metal Arc welder with various electrodes
- The student will be able to Shielded Metal Arc weld carbon steel on various types of joints and with various electrodes
- The student will be able to demonstrate the proper setup and operation of the Air Carbon Arc equipment with various types of electrodes
- The student will be able to Air Carbon Arc cut and gouge carbon steel

**REQUIRED TEXT:** Modern Welding, 12<sup>th</sup> Edition, Bowditch/Bowditch/Bowditch  
Copyright 2020 ISBN 978-1-63563-686-4

**REQUIRED MATERIALS:**

- All PPE required for the Welding Technology Program
- All tools required for the Welding Technology Program
- Notebook
- Pen or Pencil

\*This class will include several lab demonstrations. All PPE and proper lab attire will be required to participate in these activities.

**COURSE EVALUATION:**

40% - Class Room	60% - Lab Units
20% - Midterm Quiz	20% - Welding Unit 1
40% - Final Written Exam	20% - Welding Unit 2
20% - Setup Test	20% - Welding Unit 3
20% - Participation	20% - Welding Unit 4
	20% - Written Quiz

<b>A+</b> - 95 to 100 Points	<b>A</b> – 90 to 94 Points
<b>B+</b> - 85 to 89 Points	<b>B</b> – 80 to 84 Points
<b>C+</b> - 75 to 79 Points	<b>C</b> – 70 to 74 Points
<b>F</b> (Failing) – Less than 70% (Average in Class)	

### **COURSE POLICIES**

**ATTENDANCE/ATTENTION:** Regular, punctual attendance and participation is required in all credit courses and all absences will be recorded. Any class or lab session missed, regardless of cause, reduces the opportunity for learning and may affect achievement. Students are responsible for notifying the instructor of any anticipated absences. Being absent for more than 20% of class will require an attendance contract between the student and instructor.

**MISSING ACTIVITIES, ASSIGNMENTS AND LATE ASSIGNMENTS:** The instructor has the prerogative to decide whether the student will be permitted to make up work missed during an absence. Attendance, tardiness, missed and late assignments, etc. are subject to grade deductions at the instructor's discretion. Missed classroom exams: 10 points per day will be deducted after student returns. Lab quizzes: must be taken by the last Thursday of the semester (2 quizzes max) and/or before starting the next lab class.

According to the US Department of Education, 1 hour of classroom time requires 2 hours of independent study by the student each week.

i.e., a 3 credit hour class requires at least 6 hours of student study each week.

**WITHDRAWAL/DROP/INCOMPLETE:** Instructors do not initiate drops/withdrawals. It is your responsibility to notify registration and records of your intent to drop or withdraw from a class. The instructors will not relay messages, and students who discontinue participation in class will not automatically be dropped/withdrawn. After the withdraw/drop deadline, a student may request a drop/withdraw in writing to Registration and Records. An incomplete will only be considered under extenuating circumstances and you must have good attendance to be considered for an incomplete. **Extra credit may be offered at the instructor's discretion. Each student will be given the opportunity to participate in extra credit.**

**PLAGIARISM/ACADEMIC DISHONESTY:** Academic integrity is one of the basic principles of education. SCC encourages and expects the highest standard of academic honesty from all students. Please note that cheating, plagiarism, or other forms of academic dishonesty are monitored and subject to disciplinary action. Plagiarism is using any material without giving credit to the source(s). Academic dishonesty will result in a student receiving a grade of "F" for the course.

## Southeast Community College Syllabus Statements

### **RETENTION ALERT POLICY AND PROCEDURES:**

Any student who is struggling or doing poorly in class because of attendance, grades, or quality of lab work may have a Retention Alert sent by the instructor to the Student Success Coach on each Campus. The purpose of this Retention alert is to facilitate communication between the instructor and the SRS so that the student can be contacted and offered appropriate help. Typically, the SSC will attempt to contact the student via phone call, text message, and e-mail in order to set up a time for a personal visit. During the visit, the SSC and the student will make plans or changes in student classroom strategies so that hopefully, the student will be successful in that class. Success strategies may be the suggestion of working with a tutor, improving study skills, test taking skills, note taking skills, or time management skills. Any other problems that could be preventing the student from being successful in class can be discussed also.

### **Hazardous Chemicals – Right to Understand:**

Some courses offered at Southeast Community College use hazardous chemicals as part of their curriculum. The course you are attending requires you to use or exposes you to hazardous chemicals, your instructor will provide you with information and instruction about those chemicals. That information will include: requirements regarding personal protective equipment, methods of safe handling, use, clean up, first aid measures, and all information contained on the container warning label and in a hazardous materials Safety Data Sheet.

### **Electronic Devices:**

In the classroom **the use of cell phones and personal electronic devices** (e.g., laptop computers, Palm Pilots/organizers, Game Boys/ portable video games, iPods, MP3 players, etc.) that are not pre-authorized by the instructor (or employer during Cooperative Experience) for instructional purposes **is prohibited**.

### **Academic Honesty and Integrity:**

Academic Integrity is one of the basic principles of a college community. SCC encourages and expects the highest standards of academic honesty from all students. The current SCC student handbook states,

“As you pursue your studies at SCC, be mindful that academic honesty and integrity are fundamental expectations of those who interact with you. Information concerning academic honesty may be obtained by contacting the Dean of Student Services.” Cheating and plagiarism, knowingly furnishing false information to the College, forgery, HIPPA violations, alteration or misuse of College documents or records are some of the categories of academic integrity.

### **Consequences for Violations of Honesty and Integrity:**

According to the SCC student handbook, the first disciplinary action is an Oral warning. Consider this statement to be an oral warning. If the instructor suspects one or more students of collaborating or being dishonest on any exam, quiz or assignment, the instructor has the right to confront the student with evidence and issue a grade of zero. A written warning is given and the student could be at risk of

failing the course, or dismissal from the program. If allowed to stay, the student will have to take proctored exams at the instructor's discretion, location and time.

### **Americans with Disabilities Act – Reasonable Accommodations**

The Americans with Disabilities Act of 1990 as amended (2008) (ADA) requires the College to make reasonable accommodations to the known physical or mental limitations of current or potential students. The Career Advising/Disability Office at each campus location has responsibility for coordinating the efforts of the College to comply with the Americans with Disabilities Act. The office is responsible for working with eligible students to provide and coordinate appropriate academic accommodations. If you have a disabling condition that may substantially limit your ability to participate in this class, it is your responsibility to contact the Dean of Student Services at the SCC Campus, Beatrice - 402-228-8220, Lincoln – 402-437-2619, Milford – 761-8270 for additional information and assistance.

### **Statement of Equal Opportunity:**

The policy of Southeast Community College is to provide equal opportunity and nondiscrimination in all admission, attendance, and employment matters to all persons without regard to race, color, religion, sex, age, marital status, national origin, ancestry, veterans' status, sexual orientation, disability, or other factors prohibited by law or College policy. Inquiries concerning the application of Southeast Community College's policies on equal opportunity and nondiscrimination should be directed to the Vice President of Affirmative Action, Equity and Diversity, 301 S. 68th St. Place, Lincoln, NE 68510-2449, (402) 323-3412 or Internet e-mail; [jsoto@southeast.edu](mailto:jsoto@southeast.edu).

### **Firearms/Weapons Strictly Prohibited:**

SCC policy prohibits the possession of firearms, weapons, or fireworks on College property or at any College-sponsored event. Effective January 1, 2007, Nebraska State Statute 28-1202 makes it unlawful to carry a concealed handgun into a meeting of the governing body of a political subdivision, or collegiate athletic event; school, school grounds, school-owned vehicle, or school-sponsored activity or athletic event. These prohibitions apply to EVERYONE (employees, students, invitees, and visitors) and are enforceable EVERYWHERE (all college property and all college-related events.) Violations of these prohibitions will result in disciplinary and/or law enforcement action.