NORTHEAST TEXAS COMMUNITY COLLEGE

WLDG 1428 001 – Introduction to Shielded Metal Arc Welding Course Syllabus: Spring 2026

"Northeast Texas Community College exists to provide personal, dynamic learning experiences empowering students to succeed."

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Weekday	Office Hours
Monday	3:00PM – 4:00PM
Tuesday	10:00AM – 2:00PM
Wednesday	3:00PM – 4:00PM
Thursday	10:00AM – 2:00PM
Friday	None

This syllabus serves as the documentation for all course policies and requirements, assignments, and instructor/student responsibilities.

Information relative to the delivery of the content contained in this syllabus is subject to change. Should that happen, the student will be notified.

Course Description:

An introduction to the shielded metal arc Welding process. Emphasis placed on power sources, electrode selection, and various joint designs.
Prerequisite(s): None

Student Learning Outcomes:

1. Select electrodes and amperage settings for various thicknesses of materials and welding positions
2. Define principles of arc welding
3. Explain electrode classifications
4. Perform SMAW operations utilizing various positions, electrodes, and joint designs.

Evaluation/Grading Policy:

The breakdown of the course requirements is as follows:

%	Requirement
20%	General Work Habits: Safety, use of lab time, materials, and Care of
50%	Test and Quizzes: Hands-on Lab Practices and Review Questions at the end of each

30%	Final Test: Hands-on Lab All Positions Final Test

Semester grades will be earned as follows

Percentage	Letter Grade
90% and above	A
80 %–89%	B
70 %–79%	C
60%–69 %	D
59.9% and below	F

Required Instructional Materials:

Basic Principles and Applications, 10th edition, by Larry Jeffus
Publisher: Delmar, Cengage Learning **ISBN Number: 979-8-214-11451-4**

Optional Instructional Materials:

Welding Kit (Available at the bookstore)

Minimum Technology Requirements:

None

Required Computer Literacy Skills:

None

Course Structure and Overview:

A checklist of required tests/tasks will be provided for each student the first day of class. Safety will be monitored daily by all instructors to ensure all shop rules are being followed.

Communications:

Emails and text messages will receive a response within 24 hours.

Institutional/Course Policy:

General Safety Policies

Anyone with extremely long hair must have some way to keep it up (hair net, hat). There will be no open-toe shoes worn in the shop (sandals, flip flops). Each student will be required to have a pair of safety glasses to be always worn.

Student Responsibilities/Expectations:

It is important to present a professional image in the workplace. Therefore, students are required to wear 100% cotton long sleeve shirts. They may be purchased in the bookstore, or you can purchase in town. If your employer furnishes uniform shirts, they may be worn in place of the school shirt. These shirts should always be clean and neat. You must have approved welding clothing by the second week of class. If you do not, you will not be allowed to start any hands-on welding in the lab until you comply with the welding shop's dress code. Shorts

and sandals are not allowed. Professional appearance is part of your grade.

Alternate Operations During Campus Closure and/or Alternate Course Delivery Requirements:

In the event of an emergency or announced campus closure due to a natural disaster or pandemic, it may be necessary for Northeast Texas Community College to move to altered operations. During this time, Northeast Texas Community College may opt to continue delivery of instruction through methods that include, but are not limited to, online through the Blackboard Learning Management System, online conferencing, email messaging, and/or an alternate schedule. It is the responsibility of the student to monitor NTCC's website (http://www.ntcc.edu/) for instructions about continuing courses remotely, Blackboard for each class for course-specific communication, and NTCC email for important general information.

Additionally, there may be instances where a course may not be able to be continued in the same delivery format as it originates (face-to-face, fully online, live remote, or hybrid). Should this be the case, every effort will be made to continue instruction in an alternative delivery format. Students will be informed of any changes of this nature through email messaging and/or the Blackboard course site.

Statement Regarding the Use of Artificial Intelligence (AI) Technology:

Employees and students shall be permitted to explore artificial intelligence (AI) and implement its use in and out of the classroom in accordance with policy and administrative regulations. The use of AI shall only be as a support tool to enhance student outcomes or as necessary to engage in research and shall never take the place of faculty, staff, and student decision-making. Any use of AI must comply with law, policy, and administrative regulations relating to student and employee privacy and data security. A student shall only use AI tools with faculty permission and shall be expected to produce original work and properly credit sources, including AI tools used in creating the work.

Example:
APA (7th edition)

OpenAI. (2026). ChatGPT (March 25 version) [Large language model]. https://chat.openai.com/

MLA (9th edition)

OpenAI. ChatGPT. 25 Mar. 2026, https://chat.openai.com/.

Employees or students who use AI tools to deceptively harm, bully, or harass others shall be disciplined in accordance with policy. [See DH, DIA series, FFD series, FFE, FLB, and the FM series] AI Use by Employees and Students. Northeast Texas Community College 225500 TECHNOLOGY RESOURCES CRB ARTIFICIAL INTELLIGENCE (LOCAL) DATE ISSUED: 12/8/2025 1 of 1 UPDATE 50 CRB(LOCAL)-AJC Adopted: 12/16/2025

NTCC Academic Honesty/Ethics Statement:

NTCC upholds the highest standards of academic integrity. The college expects all students to engage in their academic pursuits in an honest manner that is beyond reproach using their intellect and resources designated as allowable by the course instructor. Students are responsible for addressing questions about allowable resources with the course instructor. Academic dishonesty such as cheating, plagiarism, and collusion is unacceptable and may result in disciplinary action. This course will follow the NTCC Academic Honesty and Academic Ethics policies stated in the Student Handbook. Refer to the student handbook for more information on these subjects.

ADA Statement:

It is the policy of NTCC to provide reasonable accommodation for qualified individuals who are students with disabilities. This College will adhere to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodation as required to afford equal educational opportunity. It is the student's responsibility to request accommodation. An appointment can be made with the Academic Advisor/Coordinator of Special Populations located in Student Services and can be reached at 903-434-8264. For

more information and to obtain a copy of the Request for Accommodations, please refer to the special populations page on the NTCC website.

Family Educational Rights and Privacy Act (FERPA):

The Family Educational Rights and Privacy Act (FERPA) is a federal law that protects the privacy of student education records. The law applies to all schools that receive funds under an applicable program of the U.S. Department of Education. FERPA gives parents certain rights with respect to their children's educational records. These rights transfer to the student when he or she attends a school beyond the high school level. Students to whom the rights have transferred are considered "eligible students." In essence, a parent has no legal right to obtain information concerning the child's college records without the written consent of the student. In compliance with FERPA, information classified as "directory information" may be released to the general public without the written consent of the student unless the student makes a request in writing. Directory information is defined as: the student's name, permanent address and/or local address, telephone listing, dates of attendance, most recent previous education institution attended, other information including major, field of study, degrees, awards received, and participation in officially recognized activities/sports.

Tentative Course Schedule:

Week 1: Safety
Weeks 2-4: All joints in the flat position
Weeks 5-6: All joints in the horizontal position
Weeks 7-8: All joints in the vertical position
Weeks 9-10: All joints in the overhead position
Weeks 11-16: Practice all joints in all positions to prepare for final exam