

Northeast Wisconsin Technical College

Land Acknowledgement Statement

The region served by NWTC **occupies the ancestral home** of the Menominee Nation, who have **persisted here** in Northeast Wisconsin from **before recorded history** to the present day. The College's Green Bay campus exists **upon lands ceded from the Menominee Tribe to the Oneida Nation**. We acknowledge this land we stand upon today as sacred, historical, and significant to the Menominee and Oneida Nations as are the **lands of all First Nations People**.

See more detail at <https://tinyurl.com/244wh3xf>

Welding Gas Service 2

Catalog #31442325 & Class # 81866

Starts: 10/22/2023 Ends: 12/17/2023



INSTRUCTOR INFORMATION & RESPONSIBILITIES

Instructor John Schaefer
Office AG114F
Telephone 920-498-6293
Email John.Schaefer@NWTC.EDU
Instructor Availability Available upon student request

As a NWTC instructor, I am expected to: (Maintain a professional, safe learning environment while adhering to the policies of the college.

- *Provide open and frequent communication with learners regarding their progress in this class.*
- *Reply to communications within 48 business hours.*
- *Grade assignments and post scores in Blackboard regularly.*
- *Provide feedback to guide learners toward improvement of their coursework.*
- *Post information about assignments in Blackboard Learning Plans and Grade Center.*
- *(In the event of a college level cancellation) Communicate with learners a detailed plan regarding expectations for responding to the cancellation within 24-hours.*

CLASS INFORMATION

Class Schedule & Class Meeting Location: This class meets on the following days/times:

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY

Class Delivery Mode & How to Participate: This class meets in person. For a definition of this delivery mode, please see information on the [Ways of Learning](#) page. For a detailed explanation of class participation and expectations, please see the Attendance & Participation section.

- This Class meets in person.

Course Description: position pipe welding utilizing shielded metal arc welding processes, pipe fitup, and pipe weld testing according to API 1104 code.

Credits: 2.00

Pre-requisites/Corequisites: Prerequisite: 31-442-315, Welding-Gas Service 1.

Textbooks: *Welding – None*

Supplies/Technology: 4 ½” grinder (5/8” arbor)

- Safety glasses
- Stick welding gloves
- Welding helmet
- Flame resistant welding jacket
- Leather work boots
- Appropriate welding (work) clothing

Course Competencies: Upon successful completion of this course, you will be able to: *These MUST match the official competencies for this course as approved in [WIDS](#). Add additional rows as needed to represent this course's competencies.*

COMPETENCIES
1. Discuss shield metal arc weld safety and equipment.
2. Identify shield metal arc weld electrodes and demonstrate welding techniques.
3. Analyze the W N and A.P.I. 1104 Standards related to shield metal arc weld.
4. Identify common welding defects and problems.
5. Describe welder qualification requirements for SMAW.
6. Identify joint designs and weld symbols.

Employability Skills: In addition to specific job-related training, NWTC has identified the following transferrable employability skills reaching beyond the context of a specific course:

1. Communicate Effectively
2. Work Cooperatively and Professionally
3. Think Critically and Creatively
4. Solve Problems Effectively
5. Value Individual Differences and Abilities
6. Demonstrate Personal Accountability
7. Demonstrate Community and Global Accountability

Student Services to Support You:

Being in college is an exciting time to develop skills, further your career path, and build community. We don't want financial challenges to get in your way! Our team is ready to support basic needs such as groceries, housing assistance, transportation assistance, and more. Our goal is to keep you on track with your studies and educational goals. If you are experiencing a financial emergency or an unexpected event in your life, let us help. Support services are available at all NWTC locations. Our main office is located on the Green Bay campus in SC133. We can be reached by phone (920) 498-6258, email supportservices@nwtc.edu or in-person. For more information, please visit us at www.nwtc.edu/student-experience/student-support-services.

Additionally, NWTC provides many services and support networks to assist our students. Descriptions of these services can be found in the NWTC Student Handbook or at www.nwtc.edu/students. We encourage you to learn about the resources available to you, ranging from student involvement and personal counseling to academic, financial aid, or career advising. When you are looking for services, please contact your instructor or academic advisor via Starfish, or by calling (920) 498-5444.

Academic Coaching (Tutoring) at NWTC: Academic Coaching provides an additional layer of support to ensure students achieve their academic goals. Academic Coaching is committed to serving all students as an academic resource to promote student growth and success. Students who use Academic Coaching receive content help,

but also gain study skills, organization skills, time management, and confidence. We understand that school can be challenging; let us help you reach your academic goals at www.nwtc.edu/academiccoaching

NWTC ALL-COLLEGE POLICIES

These policies are in effect for all classes at NWTC.

This syllabus is a learning contract between you and your instructor. In addition to your syllabus, there are policies and procedures listed in the NWTC Student Handbook that all students must uphold. Please refer to the NWTC Student Handbook to raise your awareness and understanding of the College's expectations.

[NWTC Student Handbook](#)

- [Academic Integrity \(includes Plagiarism, cheating and collusion\)](#)
- [Drop from a Class or Program](#)
- [Student Academic Grievance](#)
- **Discrimination and Harassment Prevention:** NWTC is committed to embracing the worth of every individual and promoting a respectful environment. Discrimination and harassment of protected categories in its employment and educational programs is prohibited. For questions or concerns, contact Mohammed Bey, Chief Diversity Officer, by email at mohammed.bey@nwtc.edu or by phone at (920) 498-6826.
- **Disability Act Statement:** NWTC is committed to creating a learning environment that meets the needs of its diverse student body. NWTC complies with all provisions of the Americans with Disabilities Act and makes reasonable accommodations upon request. If you have a disability, please call Disability Services at (920) 498-6904 to begin a conversation regarding the support services available to you or to request an official accommodation.
 - [Accessibility & Data Privacy](#)

Student Academic Calendar: Visit [Academic Calendar page](#) for important College dates you should add to your personal calendar.

STUDENTS MUST FOLLOW ALL SAFETY POLICIES! ANY MISCONDUCT WILL RESULT IN REMOVAL FROM THE WELDING LAB.

CLASS SPECIFIC POLICIES

In addition to the college policies referenced, the following instructor policies also apply to this course.

Attendance and Participation: Attendance will be taken and tracked in Starfish. Students will be expected to participate in all classroom and lab activities.

Estimated number of hours required to be successful in the class, (class hours and outside hours for homework, readings, etc.) Typically students spend 20 hours outside of the course studying to be successful in this class

Technology Skills & Assistance: *This class will require the student to send email and use a web browser.*

Technology Help

Get technical assistance by calling the Student Help Desk at (920) 498-6900 or 1-866-235-5037.

Learn more about the technology skills needed to be successful at NWTC (such as sending email, using software for assignments, submitting online work, and using test monitors) by watching the [Technology 101 video series](#) or visiting the [Ask a Librarian FAQ site](#).

Find out how to [Download Office 365 for Free](#) and access [Off-Campus Software](#). Learn how to [borrow equipment from NWTC](#).

Appropriate Use of Technology in Class: The use of cell phones for any reason is prohibited unless allowed by the instructor for medical emergency reasons. The use of IPODS in the shop or classroom is also prohibited. PLEASE KEEP CELL PHONES OR IPODS IN YOUR LOCKERS! Failure to follow policy will result in participation point reduction and if continually violated will result in removal from class.

Campus Closure Day(s) Procedure: In the event of a campus closure,

Syllabus Changes: Instructors retain the right to make changes based on the timeline of the class, feedback from learners and/or logistical issues. Students will be informed as soon as a change is made. A current copy of the course syllabus will be maintained by the division office.

Grading Policy:

Students must complete all homework by given due dates. Any late work will only count for 50% of maximum point value. Students must be present for all quizzes, demonstrations, and tests or they will not receive any credit towards their grade.

All welds are due by the end of the week. All written assignments and other lab activities will have a due date stamped on the assignment and will be due at the beginning of that class period. If you are not present when an assignment is given, you will need to print it off Blackboard.

Grading Scale:

Percentage	Points	Grade
90-100	775-697	A
80-89	696-620	B
70-79	619-542	C
60-69	541-465	D*
0-59	464-0	F

* D is the minimum passing grade for this class.

Course Calendar:

--	--	--	--

TOTAL	GRAND TOTAL OF ALL LEARNING PLANS	775 Points
--------------	--	-------------------

Learning Plan	Assessments/Activities (Points)	Competencies Assessed	Employability Skills Assessed	Points	Due Date
1. <u>Discuss shield metal arc weld safety and equipment.</u>	Attendance/Participation/Quiz Score/Lab Activity	1	1-7	Attendance/ Employability Skills 30 pts Safety QUIZ 35 pts Pad Plate Weld 20 pts	
2. <u>Identify shield metal arc weld electrodes and demonstrate welding techniques.</u>	Attendance/Participation/Quiz Score/Lab Activity	1,2	1-7	Attendance/ Employability Skills 30 pts 2F Weld 30 pts 2G Weld 50 pts	
3. <u>Analyze the W N and A.P.I. 1104 Standards related to shield metal arc weld.</u>	Attendance/Participation/Quiz Score/Lab Activity	1,2,3	1-7	Attendance/ Employability Skills 30 pts 3G Weld 50 pts Stick Electrode Quiz 50 pts	
4. <u>Identify common welding defects and problems.</u>	Attendance/Participation/Quiz Score/Lab Activity	1,2,3,4,	1-7	Attendance/ Employability Skills 30 pts Service T Weld 30 pts	
5. <u>Describe welder qualification requirements for SMAW.</u>	Attendance/Participation/Quiz Score/Lab Activity	1,2,3,4,5,	1-7	Attendance/ Employability Skills 30 pts	
6. Identify Joint Designs and Weld Symbols	Attendance/Participation/Quiz Score/Lab Activity	1,2,3,4,5,	1-7	Attendance/ Employability Skills 30 pts Weld Symbol Quiz(ORAL Comm.) 50 pts	
7. Describe the correct method of laying out and constructing a full Branch T.	Attendance/Participation/Quiz Score/Lab Activity	1,2,3,4,5,	1-7	Attendance/ Employability Skills 30 pts Branch T 100 pts. Final 5G	

Learning Plan	Assessments/Activities (Points)	Competencies Assessed	Employability Skills Assessed	Points	Due Date
				Pipe weld 150 points	