WELD 1050 Horizontal Shielded Metal Arc Welding
COURSE SYLLABUS
Spring Semester 2022 (202214)

COURSE INFORMATION

Credit Hours/Minutes: 4/4500
Campus/Class Location: Swainsboro/Building 6, Room 6106
Class Meets: M, T, W, R 9:16AM-10:31AM
CRN: 40196

INSTRUCTOR CONTACT INFORMATION

Instructor Name: Mr. Nicholas Toole
Email Address: Nicholas Toole ntoole@southeasterntech.edu
Swainsboro Campus/Office Location: Room 6107
Office Hours: Monday through Thursday 7AM-8AM (Appointment Only)
Phone: 478-289-2242
Tutoring Hours (if applicable): See instructor to schedule an appointment

SOUTHEASTERN TECHNICAL COLLEGE'S (STC) CATALOG AND HANDBOOK

Students are responsible for all policies and procedures and all other information included in Southeastern Technical College's Catalog and Handbook (http://www.southeasterntech.edu/student-affairs/catalog-handbook.php).

REQUIRED TEXT

None

REQUIRED SUPPLIES & SOFTWARE

Long sleeve shirt or welding jacket, welding helmet, clear safety glasses, welding gloves, ear plugs, chipping hammer, half round file with tang, grinding disc, wire wheel, wire brush, Vice grips, combination square, torpedo level, ball peen hammer, 12" Crescent Wrench,12' tape measure and a 4 ½" angle grinder. You will not be permitted to borrow from the Instructor or your fellow classmates

Students should not share login credentials with others and should change passwords periodically to maintain security.

COURSE DESCRIPTION

This course introduces the major theory, safety practices, and techniques for shielded metal arc welding (Shielded Metal Arc Welding) in the horizontal position. Qualification tests, horizontal position, are used in the evaluation of student progress toward making industrial standard welds.

MAJOR COURSE COMPETENCIES

1. Horizontal Shielded Metal Arc Welding Safety and Health Practices
2. Selection and Application of Electrodes
3. Selection and Applications for Horizontal Shielded Metal Arc Welding
4. Horizontal Shielded Metal Arc Welding Joints
5. Horizontal Shielded Metal Arc Welding to Specification

PREREQUISITE(S)

All required

COURSE OUTLINE

This course will outline Horizontal Shielded Metal Arc Welding Safety and Health practices, Selection and Applications of Electrodes for Horizontal Shielded Metal Arc Welding, Horizontal Shielded Metal Arc Welding Joints, Horizontal Shielded Metal Arc Welding Specification and 2G Pipe.

GENERAL EDUCATION CORE COMPETENCIES

STC has identified the following general education core competencies that graduates will attain:

1. The ability to utilize standard written English.
2. The ability to solve practical mathematical problems.
3. The ability to read, analyze, and interpret information.

STUDENT REQUIREMENTS

Tests and assignments must be completed on the specified date. Students are also responsible for policies and procedures in the STC E-Catalog.

COVID-19 MASK REQUIREMENT

Regardless of vaccination status, masks or face coverings must be worn at all times while in a classroom or lab of Southeastern Technical College. This measure is being implemented to reduce COVID-19 related health risks for everyone engaged in the educational process. Masks or face coverings must be worn over the nose and mouth, in accordance with the Centers for Disease Control and Prevention (CDC). A student's refusal to wear a mask or face covering will be considered a classroom disruption and the student may be asked to leave campus and/or receive further discipline.

COVID-19 SIGNS AND SYMPTOMS

We encourage individuals to monitor for the signs and symptoms of COVID-19 prior to coming on campus.

If you have experienced the symptoms listed below or have a body temperature 100.4°F or higher, we encourage you to self-quarantine at home and contact a primary care physician's office, local urgent care facility, or health department for further direction. Please notify your instructor(s) by email and do not come on campus for any reason.

COVID-19 Key Symptoms
Fever or felt feverish
Chills
Shortness of breath or difficulty breathing (not attributed to any other health condition)
Cough: new or worsening, not attributed to another health condition
Fatigue
Muscle or body aches
Headache
New loss of taste or smell
Sore throat (not attributed to any other health condition)
Congestion or runny nose (not attributed to any other health condition)
Nausea or vomiting
Diarrhea
In the past 14 days, if you:
Have had close contact with or are caring for an individual diagnosed with COVD-19 at home (not in healthcare setting), please do not come on campus and contact your instructor (s).

COVID-19 SELF-REPORTING REQUIREMENT

Students, regardless of vaccination status, who test positive for COVID-19 or who have been exposed to a COVID-19 positive person, are required to self-report using https://www.southeasterntech.edu/covid-19/. Report all positive cases of COVID-19 to your instructor and Stephannie Waters, Exposure Control Coordinator, swaters@southeasterntech.edu, 912-538-3195.

ATTENDANCE GUIDELINES

Class attendance is a very important aspect of a student's success. Being absent from class prevents students from receiving the full benefit of a course and also interrupts the learning process. Southeastern Technical College considers both tardiness and leaving early as types of absenteeism. Responsibility for class attendance rests with the student. Regular and punctual attendance at all scheduled classes is required for student success. Students will be expected to complete all work required by the instructor as described in the individual course syllabus.

Instructors have the right to give unannounced quizzes/assignments. Students who miss an unannounced quiz or assignment will receive a grade of 0. Students who stop attending class, but do not formally withdraw, may receive a grade of "F" (Failing 0-59) and face financial aid repercussions in upcoming semesters.

Instructors are responsible for determining whether missed work may be made up and the content and dates for makeup work is at the discretion of the instructor.

Students will not be withdrawn by an instructor for attendance; however, all instructors will keep records of graded assignments and student participation in course activities. The completion dates of these activities will be used to determine a student's last date of attendance in the event a student withdraws, stops attending, or receives an "F" in a course.

STUDENTS WITH DISABILITIES

Students with disabilities who believe that they may need accommodations in this class based on the impact of a disability are encouraged to contact the appropriate campus coordinator to request services.

Swainsboro Campus: Daphne Scott (dscott@southeasterntech.edu) 478-289-2274, Building 1, Room 1210.
Vidalia Campus: Helen Thomas (hthomas@southeasterntech.edu), 912-538-3126, Building A, Room 165.

SPECIFIC ABSENCES

Provisions for Instructional Time missed because of documented absences due to jury duty, military duty, court duty, or required job training will be made at the discretion of the instructor.

PREGNANCY

Southeastern Technical College does not discriminate on the basis of pregnancy. However, we can offer accommodations to students who are pregnant that need special consideration to successfully complete the course. If you think you will need accommodations due to pregnancy, please make arrangements with the appropriate campus coordinator.

Swainsboro Campus: Daphne Scott (dscott@southeasterntech.edu) 478-289-2274, Building 1, Room 1210.
Vidalia Campus: Helen Thomas (hthomas@southeasterntech.edu), 912-538-3126, Building A, Room 165.

It is strongly encouraged that requests for consideration be made **PRIOR** to delivery and early enough in the pregnancy to ensure that all the required documentation is secured before the absence occurs. Requests made after delivery **MAY NOT** be accommodated. The coordinator will contact your instructor to discuss accommodations when all required documentation has been received. The instructor will then discuss a plan with you to make up missed assignments.

WITHDRAWAL PROCEDURE

Students wishing to officially withdraw from a course(s) or all courses after the drop/add period and prior to the 65% point of the term in which student is enrolled (date will be posted on the school calendar) must speak with a Career Counselor in Student Affairs and complete a Student Withdrawal Form. A grade of "W" (Withdrawn) is assigned for the course(s) when the student completes the withdrawal form.
Students who are dropped from courses due to attendance after drop/add until the 65% point of the semester will receive a "W" for the course.
Important – Student-initiated withdrawals are not allowed after the 65% point. Only instructors can drop students after the 65% point for violating the attendance procedure of the course. Students who are dropped from courses due to attendance after the 65% point will receive either a "WP" (Withdrawn Passing) or "WF" (Withdrawn Failing) for the semester.
Informing your instructor that you will not return to his/her course, does not satisfy the approved withdrawal procedure outlined above.
There is no refund for partial reduction of hours. Withdrawals may affect students' eligibility for financial aid for the current semester and in the future, so a student must also speak with a representative of the Financial Aid Office to determine any financial penalties that may be accessed due to the withdrawal. A grade of "W" will count in attempted hour calculations for the purpose of Financial Aid.

EXIT EXAM

This course does not have an EXIT EXAM.

WORK ETHICS

The Technical College System of Georgia instructs and evaluates students on work ethics in all programs of study. Ten work ethics traits have been identified and defined as essential for student success: appearance, attendance, attitude, character, communication, cooperation, organizational skills, productivity, respect, and teamwork. Students will be required to take a work ethics exam as marked in the lesson plan. A grade of 70 or better is required to complete the work ethics requirements for this class.

MAKEUP GUIDELINES (TESTS, QUIZZES, HOMEWORK, PROJECTS, ETC…)

Makeup test will be given on the following class meeting date with an acceptable excuse approved by the instructor; any test not made up will result in the student receiving a zero.

ACADEMIC DISHONESTY POLICY

The STC Academic Dishonesty Policy states All forms of academic dishonesty, including but not limited to cheating on tests, plagiarism, collusion, and falsification of information, will call for discipline. The policy can also be found in the STC Catalog and Student Handbook.

PROCEDURE FOR ACADEMIC MISCONDUCT

The procedure for dealing with academic misconduct and dishonesty is as follows:

1. **First Offense**
   Student will be assigned a grade of "0" for the test or assignment. Instructor keeps a record in course/program files and notes as first offense. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus. The Registrar will input the incident into Banner for tracking purposes.
2. **Second Offense**
   Student is given a grade of "WF" for the course in which offense occurs. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus indicating a "WF" has been issued as a result of second offense. The Registrar will input the incident into Banner for tracking purposes.
3. **Third Offense**
   Student is given a grade of "WF" for the course in which the offense occurs. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus indicating a "WF" has been issued as a result of third offense. The Vice President for Student Affairs, or designee, will notify the student of suspension from college for a specified period of time. The Registrar will input the incident into Banner for tracking purposes.

STATEMENT OF NON-DISCRIMINATION

The Technical College System of Georgia (TCSG) and its constituent Technical Colleges do not discriminate on the basis of race, color, creed, national or ethnic origin, gender, religion, disability, age, political affiliation or belief, genetic information, disabled veteran, veteran of the Vietnam Era, spouse of military member, or citizenship status (except in those special circumstances permitted or mandated by law). This nondiscrimination policy encompasses the operation of all technical college-administered programs, federally financed programs, educational programs and activities involving admissions, scholarships and loans, student life, and athletics. It also applies to the recruitment and employment of personnel and contracting for goods and services.

All work and campus environments shall be free from unlawful forms of discrimination, harassment and retaliation as outlined under Title IX of the Educational Amendments of 1972, Title VI and Title VII of the Civil Rights Act of 1964, as amended, the Age Discrimination in Employment Act of 1967, as amended, Executive Order 11246, as amended, the Vietnam Era Veterans Readjustment Act of 1974, as amended, Section 504 of the Rehabilitation Act of 1973, as amended, the Americans With Disabilities Act of 1990, as amended, the Equal Pay Act, Lilly Ledbetter Fair Pay Act of 2009, the Georgia Fair Employment Act of 1978, as amended, the Immigration Reform and Control Act of 1986, the Genetic Information Nondiscrimination Act of 2008, the Workforce Investment Act of 1998 and other related mandates under TCSG Policy, federal or state statutes.

The Technical College System and Technical Colleges shall promote the realization of equal opportunity through a positive continuing program of specific practices designed to ensure the full realization of equal opportunity.

The following individuals have been designated to handle inquiries regarding the nondiscrimination policies:

American With Disabilities Act (ADA)/Section 504 - Equity- Title IX (Students) – Office of Civil Rights (OCR) Compliance Officer	**Title VI - Title IX (Employees) – Equal Employment Opportunity Commission (EEOC) Officer**
Helen Thomas, Special Needs Specialist Vidalia Campus 3001 East 1st Street, Vidalia Office 165 Phone: 912-538-3126 Email: Helen Thomas (hthomas@southeasterntech.edu)	Lanie Jonas, Director of Human Resources Vidalia Campus 3001 East 1st Street, Vidalia Office 138B Phone: 912-538-3230 Email: Lanie Jonas (ljonas@southeasterntech.edu)

ACCESSIBILITY STATEMENT

Southeastern Technical College is committed to making course content accessible to individuals to comply with the requirements of Section 508 of the Rehabilitation Act of Americans with Disabilities Act (ADA). If you find a problem that prevents access, please contact the course instructor.

GRIEVANCE PROCEDURES

Grievance procedures can be found in the Catalog and Handbook located on STC's website.

ACCESS TO TECHNOLOGY

Students can now access Blackboard, Remote Lab Access, Student Email, Library Databases (Galileo), and BannerWeb via the mySTC portal or by clicking the Current Students link on the STC website.

TCSG GUARANTEE/WARRANTY STATEMENT

The Technical College System of Georgia guarantees employers that graduates of State Technical Colleges shall possess skills and knowledge as prescribed by State Curriculum Standards. Should any graduate employee within two years of graduation be deemed lacking in said skills, that student shall be retrained in any State Technical College at no charge for instructional costs to either the student or the employer.

GRADING POLICY

Assessment/Assignment	**Percentage**
Hands On Assignments	100%

GRADING SCALE

Letter Grade	Range
A	90-100
B	80-89
C	70-79
D	60-69
F	0-59

WELD 1050 Horizontal Shielded Metal Arc Welding

Spring Semester 2022 Lesson Plan

Key: Jan-January Feb – February Mar-March Apr-April May - May

Date	Chapter	Content	Assignments & Tests Due Dates	Competency Area
Jan 10	Shielded Metal Arc Welding Set Up and Electrode Selection	First day of class/Class Introduction—Syllabi, Outline, Rules, Regulations Coverage, Library Resources and tour. Shielded Metal Arc Welding Set Up and Electrode Selection	Refreshing of proper Shielded Metal Arc Welding Set Up and Electrode Selection by instructor. Shielded Metal Arc Welding Equipment and Filler Metals	1,2,3,4,5,A,B,C
11	2F Padded Plate 7018 Electrodes	2F Padded Plate 7018 Electrodes	Instructor demonstrates welding a padded plate using 7018 electrodes. Students practicing padded plate.	1,2,3,4,5,A,B,C
12	2F Padded Plate 7018 Electrodes	2F Padded Plate 7018 Electrodes	2F Padded Plate 7018 Electrodes	1,2,3,4,5,A,B,C
13	2F Padded Plate 7018 Electrodes	2F Padded Plate 7018 Electrodes	2F Padded Plate 7018 Electrodes	1,2,3,4,5,A,B,C
18	2F Padded Plate 7018 Electrodes	2F Padded Plate 7018 Electrodes	2F Padded Plate 7018 Electrodes	1,2,3,4,5,A,B,C
19	2F Padded Plate 7018 Electrodes	2F Padded Plate 7018 Electrodes	2F Padded Plate 7018 Electrodes	1,2,3,4,5,A,B,C
20	2F Padded Plate 7018 Electrodes	2F Padded Plate 7018 Electrodes	2F Padded Plate 7018 Electrodes	1,2,3,4,5,A,B,C
24	2F Padded Plate 6010 Electrodes	2F Padded Plate 6010 Electrodes	Instructor demonstrates welding a padded plate in the horizontal position using 6010 electrodes. Students practicing padded plate.	1,2,3,4,5,A,B,C
25	2F Padded Plate 6010 Electrodes	2F Padded Plate 6010 Electrodes	2F Padded Plate 6010 Electrodes	1,2,3,4,5,A,B,C
26	2F Padded Plate 6010 Electrodes	2F Padded Plate 6010 Electrodes	2F Padded Plate 6010 Electrodes	1,2,3,4,5,A,B,C
27	2F Padded Plate 6010 Electrodes	2F Padded Plate 6010 Electrodes	2F Padded Plate 6010 Electrodes	1,2,3,4,5,A,B,C
31	2F Padded Plate 6010 Electrodes	2F Padded Plate 6010 Electrodes	2F Padded Plate 6010 Electrodes	1,2,3,4,5,A,B,C
Feb 1	Butt Joints -2F Fillet Welds 7018 Electrodes	Butt Joints - 2F Fillet Welds 7018 Electrodes	Instructor demonstrates welding Butt Joint using 7018 Electrodes. Students practicing Butt Joints.	1,2,3,4,5,A,B,C
2	Butt Joints -2F Fillet Welds 7018 Electrodes	Butt Joints - 2F Fillet Welds 7018 Electrodes	Students practicing Butt Joints.	1,2,3,4,5,A,B,C

Date	Chapter	Content	Assignments & Tests Due Dates	Competency Area
3	Butt Joints -2F Fillet Welds 7018 Electrodes	Butt Joints - 2F Fillet Welds 7018 Electrodes	Students practicing Butt Joints.	1,2,3,4,5,A,B,C
7	Butt Joints -2F Fillet Welds 7018 Electrodes	Butt Joints - 2F Fillet Welds 7018 Electrodes	Students practicing Butt Joints.	1,2,3,4,5,A,B,C
8	Butt Joints -2F Fillet Welds 7018 Electrodes	Butt Joints - 2F Fillet Welds 7018 Electrodes	Students practicing Butt Joints.	1,2,3,4,5,A,B,C
9	Lap Joints -2F Fillet Welds 7018 Electrodes	Lap Joints -2F Fillet Welds 7018 Electrodes	Instructor demonstrates welding Lap Joint using 7018 Electrodes. Students practicing Lap Joints.	1,2,3,4,5,A,B,C
14	Lap Joints -2F Fillet Welds 7018 Electrodes	Lap Joints -2F Fillet Welds 7018 Electrodes	Students practicing Lap Joints.	1,2,3,4,5,A,B,C
15	Lap Joints -2F Fillet Welds 7018 Electrodes	Lap Joints -2F Fillet Welds 7018 Electrodes	Students practicing Lap Joints.	1,2,3,4,5,A,B,C
16	Lap Joints -2F Fillet Welds 7018 Electrodes	Lap Joints -2F Fillet Welds 7018 Electrodes	Students practicing Lap Joints.	1,2,3,4,5,A,B,C
17	T-Joints – 2F Fillet Welds 7018 Electrodes	T-Joints – 2F Fillet Welds7018 Electrodes	Instructor demonstrates welding T-Joints using 7018 Electrodes. Students practicing T-Joints.	1,2,3,4,5,A,B,C
21	T-Joints – 2F Fillet Welds 7018 Electrodes	T-Joints – 2F Fillet Welds7018 Electrodes	Students practicing T-Joints.	1,2,3,4,5,A,B,C
22	T-Joints – 2F Fillet Welds 7018 Electrodes	T-Joints – 2F Fillet Welds7018 Electrodes	Students practicing T-Joints.	1,2,3,4,5,A,B,C
23	T-Joints – 2F Fillet Welds 7018 Electrodes	T-Joints – 2F Fillet Welds7018 Electrodes	Students practicing T-Joints.	1,2,3,4,5,A,B,C
24	T-Joints – 2F Fillet Welds 7018 Electrodes	T-Joints – 2F Fillet Welds7018 Electrodes	Students practicing T-Joints.	1,2,3,4,5,A,B,C
28	T-Joints – 2F Fillet Welds 7018 Electrodes	T-Joints – 2F Fillet Welds7018 Electrodes	Students practicing T-Joints.	1,2,3,4,5,A,B,C
Mar 1	T-Joints – 2F Fillet Welds 7018 Electrodes	T-Joints – 2F Fillet Welds7018 Electrodes	Students practicing T-Joints.	1,2,3,4,5,A,B,C
2	T-Joints – 2F Fillet Welds 7018 Electrodes	T-Joints – 2F Fillet Welds7018 Electrodes	Students practicing T-Joints.	1,2,3,4,5,A,B,C
3	HOLIDAY	HOLIDAY	HOLIDAY	HOLIDAY

Date	Chapter	Content	Assignments & Tests Due Dates	Competency Area
7	Corner Joints – 21F Fillet Welds 7018 Electrodes	Corner Joints – 2F Fillet Welds 7018 Electrodes	Instructor demonstrates welding Corner Joint using 7018 Electrodes. Students practicing Corner Joints.	1,2,3,4,5,A,B,C
8	Corner Joints – 2F Fillet Welds 7018 Electrodes	Corner Joints – 2F Fillet Welds 7018 Electrodes	Students practicing Corner Joints.	1,2,3,4,5,A,B,C
9	Corner Joints – 2F Fillet Welds 7018 Electrodes	Corner Joints – 2F Fillet Welds 7018 Electrodes	Students practicing Corner Joints.	1,2,3,4,5,A,B,C
10	Corner Joints – 2F Fillet Welds 7018 Electrodes	Corner Joints – 2F Fillet Welds 7018 Electrodes	Students practicing Corner Joints.	1,2,3,4,5,A,B,C
14	Corner Joints – 2F Fillet Welds 7018 Electrodes	Corner Joints – 2F Fillet Welds 7018 Electrodes	Students practicing Corner Joints.	1,2,3,4,5,A,B,C
15	Edge Joints – 2F Fillet Welds 7018 Electrodes	Edge Joints – 2F Fillet Welds 7018 Electrodes	Instructor demonstrates welding Edge Joint using 7018 Electrodes. Students practicing Edge Joints.	1,2,3,4,5,A,B,C
16	Edge Joints – 2F Fillet Welds 7018 Electrodes	Edge Joints – 2F Fillet Welds 7018 Electrodes	Students practicing Edge Joints.	1,2,3,4,5,A,B,C
17	Edge Joints – 2F Fillet Welds 7018 Electrodes	Edge Joints – 2F Fillet Welds 7018 Electrodes	Students practicing Edge Joints.	1,2,3,4,5,A,B,C
21	Edge Joints – 2F Fillet Welds 7018 Electrodes	Edge Joints – 2F Fillet Welds 7018 Electrodes	Students practicing Edge Joints.	1,2,3,4,5,A,B,C
22	Edge Joints – 2F Fillet Welds 7018 Electrodes	Edge Joints – 2F Fillet Welds 7018 Electrodes	Students practicing Edge Joints.	1,2,3,4,5,A,B,C
23	Edge Joints – 2F Fillet Welds 7018 Electrodes	Edge Joints – 2F Fillet Welds 7018 Electrodes	Students practicing Edge Joints.	1,2,3,4,5,A,B,C
24	Edge Joints – 2F Fillet Welds 7018 Electrodes	Edge Joints – 2F Fillet Welds 7018 Electrodes	Students practicing Edge Joints.	1,2,3,4,5,A,B,C
28	Chain Fillet Welds 7018 Electrodes	Chain Fillet Welds 7018 Electrodes	Instructor demonstrates how to lay-out and weld Chain Fillet Welds using 7018 Electrodes. Students practicing welding and laying out chain fillet	1,2,3,4,5,A,B,C

Date	Chapter	Content	Assignments & Tests Due Dates	Competency Area
			welds.	
29	Chain Fillet Welds 7018 Electrodes	Chain Fillet Welds 7018 Electrodes	Students practicing welding and laying out chain fillet welds.	1,2,3,4,5,A,B,C
30	Chain Fillet Welds 7018 Electrodes	Chain Fillet Welds 7018 Electrodes	Students practicing welding and laying out chain fillet welds.	1,2,3,4,5,A,B,C
31	Chain Fillet Welds 7018 Electrodes	Chain Fillet Welds 7018 Electrodes	Students practicing welding and laying out chain fillet welds.	1,2,3,4,5,A,B,C
Apr 4	Spring Break	Spring Break	Spring Break	Spring Break
5	Spring Break	Spring Break	Spring Break	Spring Break
6	Spring Break	Spring Break	Spring Break	Spring Break
7	Spring Break	Spring Break	Spring Break	Spring Break
11	Staggered Fillet Welds 7018 Electrodes	Staggered Fillet Welds 7018 Electrodes	Instructor demonstrates how to lay-out and weld Staggered Fillet Welds using 7018 Electrodes. Students practicing welding and laying out staggered fillet welds.	1,2,3,4,5,A,B,C
12	Staggered Fillet Welds 7018 Electrodes	Staggered Fillet Welds 7018 Electrodes	Students practicing welding and laying out staggered fillet welds.	1,2,3,4,5,A,B,C
13	Staggered Fillet Welds 7018 Electrodes	Staggered Fillet Welds 7018 Electrodes	Students practicing welding and laying out staggered fillet welds.	1,2,3,4,5,A,B,C
14	2G Open Root Pipe	2G Open Root Pipe	Instructor demonstrates welding 2G Open Root Pipe, students practicing welding 2G Open Root Pipe	1,2,3,4,5,A,B,C
18	2G Open Root Pipe	2G Open Root Pipe	Students practicing welding 2G Open Root Pipe.	1,2,3,4,5,A,B,C
19	2G Open Root Pipe	2G Open Root Pipe	Students practicing welding 2G Open Root Pipe.	1,2,3,4,5,A,B,C
20	2G Open Root Pipe	2G Open Root Pipe	Students practicing welding 2G Open Root Pipe.	1,2,3,4,5,A,B,C
21	2G Open Root Pipe	2G Open Root Pipe	Students practicing welding 2G Open Root Pipe.	1,2,3,4,5,A,B,C
25	2G Open Root Pipe	2G Open Root Pipe	Students practicing welding 2G Open Root Pipe.	1,2,3,4,5,A,B,C
26	2G Open Root Pipe	2G Open Root Pipe	Students practicing welding 2G Open Root Pipe.	1,2,3,4,5,A,B,C
27	2G Open Root Pipe	2G Open Root Pipe	Students practicing welding 2G Open Root Pipe.	1,2,3,4,5,A,B,C
28	2G Open Root Pipe	2G Open Root Pipe	Students practicing welding 2G Open Root Pipe.	1,2,3,4,5,A,B,C

Date	Chapter	Content	Assignments & Tests Due Dates	Competency Area
May 2	2G Open Root Pipe/Course Evaluation	2G Open Root Pipe/Course Evaluation	Students practicing welding 2G Open Root Pipe.	1,2,3,4,5,A,B,C
3	2G Open Root Pipe	2G Open Root Pipe	Students practicing welding 2G Open Root Pipe.	1,2,3,4,5,A,B,C

Competency Areas:

1. Horizontal Shielded Metal Arc Welding Safety Practices and Health Practices
2. Selection and Applications of Electrodes for Horizontal Shielded Metal Arc Welding
3. Selection and Applications for Horizontal Shielded Metal Arc Welding
4. Horizontal Shielded Metal Arc Welding Joints
5. Horizontal Shielded Metal Arc Welding to Specification

General Core Educational Competencies

a) The ability to utilize standard written English.
b) The ability to solve practical mathematical problems.
c) The ability to read, analyze, and interpret information.