



**WELD 1030 Blueprint Reading for Welding Technology**  
**COURSE SYLLABUS**  
**Spring Semester 2022 (202214)**

**COURSE INFORMATION**

Credit Hours/Minutes: 4/4500  
Campus/Class Location: Vidalia/Room 323  
Class Meets: M, W 1:00-3:45 pm  
Course Reference Number (CRN): 40083

**INSTRUCTOR CONTACT INFORMATION**

Instructor Name: Mr. Michael Crumpler  
Email Address: [Michael Crumpler mcrumpler@southeasterntech.edu](mailto:Michael.Crumpler@mcrumpler@southeasterntech.edu)  
Vidalia Campus/Office Location: Room 417  
Office Hours: Monday and Wednesday 9:00 am – 12 noon  
Phone: 912-538-3257  
Fax Number: 912-538-3156  
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](https://catalog.southeasterntech.edu/college-catalog/downloads/current.pdf) (<https://catalog.southeasterntech.edu/college-catalog/downloads/current.pdf>).

**REQUIRED TEXT**

Blueprint Reading for Welders 9<sup>th</sup> Edition by Bennett and Siy

**REQUIRED SUPPLIES & SOFTWARE**

Pen, pencil, high lighter, notebook.

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

**COURSE DESCRIPTION**

This course introduces the knowledge and skills necessary for reading welding and related blueprints and sketches. An emphasis is placed on identifying types of welds and the associated abbreviations and symbols.

**MAJOR COURSE COMPETENCIES**

1. Basic Lines, Sketching and Sectional Views
2. Detailed Specifications and Isometrics
3. Structural Shapes and Joint Design
4. Welding Symbols and Abbreviations
5. Industry Welds and Fabrication

## **PREREQUISITE(S)**

All required

## **COURSE OUTLINE**

This course outlines: Basic Lines, Sketching, Basic and Sectional Views, Detailed Specifications and Isometrics, Structural Shapes and Joint Design, Welding Symbols and Abbreviations, Industry Welds and Fabrication.

## **GENERAL EDUCATION CORE COMPETENCIES**

Southeastern Technical College 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**

All tests must be completed on the specified dates given by the instructor, any tests not completed will result in a zero. Students are also responsible for policies and procedures in the STC E-Catalog.

## **COVID-19 MASK REQUIREMENT**

Regardless of vaccination status, students are highly encouraged to wear masks or face coverings while in a classroom or lab at Southeastern Technical College. Masking may be implemented in some program areas (i.e. Health Sciences and Cosmetology) where students, faculty, and clients are in close proximity and social distancing cannot be maintained. 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).

## **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.

<b>COVID-19 Key Symptoms</b>
Fever or felt feverish
Chills
Shortness of breath or difficulty breathing (not attributed to any other 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

## COVID-19 Key Symptoms

### In the past 14 days, if you:

Have had close contact with or are caring for an individual diagnosed with COVID-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](mailto:Stephannie.Waters@southeasterntech.edu), Exposure Control Coordinator, [swaters@southeasterntech.edu](mailto:swaters@southeasterntech.edu) 912-538-3195.

### TRADITIONAL 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 \(dscott@southeasterntech.edu\)](mailto:dscott@southeasterntech.edu) 478-289-2274, Building 1, Room 1210.

Vidalia Campus: [Helen Thomas \(hthomas@southeasterntech.edu\)](mailto: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 \(dscott@southeasterntech.edu\)](mailto:dscott@southeasterntech.edu) 478-289-2274, Building 1, Room 1210.  
Vidalia Campus: [Helen Thomas \(hthomas@southeasterntech.edu\)](mailto: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.

Important – Student-initiated withdrawals are not allowed after the 65% point. After the 65% point of the term in which student is enrolled, the student has earned the right to a letter grade and will receive a grade for the course. Please note: Abandoning a course(s) instead of following official withdrawal procedures may result in a grade of "F" (Failing 0-59) being assigned.

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 assessed 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, only a **FINAL EXAM**.

### **WORK ETHICS**

This course has no Work Ethics requirements.

### **MAKEUP GUIDELINES (TESTS, QUIZZES, HOMEWORK, PROJECTS, ETC.)**

All tests will be taken in person on a date assigned by the instructor. If for some reason you are unable to take the tests by the due dates, please notify the instructor. Any tests not taken on the test date given by the instructor will result in a zero unless prior arrangements have been made with the instructor.

### **ACADEMIC DISHONESTY POLICY**

The Southeastern Technical College Academic Dishonesty Policy states that 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 Southeastern Technical College Catalog and 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" (Withdrawn Failing) 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

As set forth in the student catalog, Southeastern Technical College does not discriminate on the basis of race, color, creed, national or ethnic origin, sex, religion, disability, age, political affiliation or belief, genetic information, veteran status, or citizenship status (except in those special circumstances permitted or mandated by law).

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

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

## 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 Southeastern Technical College'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 [Southeastern Technical College \(STC\) Website \(www.southeasterntech.edu\)](http://www.southeasterntech.edu).

## TECHNICAL COLLEGE SYSTEM OF GEORGIA (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**

<b>Assessment/Assignment</b>	<b>Percentage</b>
Written Tests	100%

**GRADING SCALE**

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

# WELD 1030 Blueprint Reading for Welders

## Spring Semester 2022 Lesson Plan

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

<b>Date</b>	<b>Chapter</b>	<b>Content</b>	<b>Assignments &amp; Tests Due Dates</b>	<b>Competency Area</b>
Jan 10	Basic Lines and Views	First day of class/Class Introduction—Syllabi, Outline, Rules, Regulations Coverage, Library Resources and tour. Unit 1 Basic Lines and Views	Unit 1 Reviews A, B	1,2,3,4,5 A, B, C
12	Sketching	Unit 2 Sketching Sketching Oblique, Isometric, Top, Front and Right Side	Unit 2 Review	1,2,3,4,5 A, B, C
17	HOLIDAY	HOLIDAY	NO CLASS	NO CLASS
19	Notes and Specifications	Unit 3 Notes and Specifications Local, General and Specifications	Test Units 1, 2 Unit 3 Review	1,2,3,4,5 A, B, C
24	Dimensions	Unit 4 Dimensions Tolerances, Scale Sizes, Dimensioning Methods	Unit 4 Reviews A, B	1,2,3,4,5 A, B, C
26	Bill of Materials	Unit 5 Bill of Materials Preparing a Bill of Materials	Unit 5 review A Test Units 3, 4	1,2,3,4,5 A, B, C
31	Structural Shapes	Unit 6 Structural Shapes	Unit 6 Review A	1,2,3,4,5 A, B, C
Feb 2	Detail, Assembly and Subassembly Drawings	Unit 9 Detail, Assembly and Subassembly Drawings	Unit 9 Review	1,2,3,4,5 A, B, C
7	Welding Symbols	Unit 10 Welding Symbols and Abbreviations	Test Units 6, 9	1,2,3,4,5 A, B, C
9	Welding Symbols	Unit 10 Welding Symbols and Abbreviations	Unit 10 Review A	1,2,3,4,5 A, B, C
14	Basic Joints for Weldment Fabrications	Unit 11 Basic Joints for Weldment Fabrications	Unit 11 Review	1,2,3,4,5 A, B, C
16	Fillet Welds	Unit 12 Fillet Welds	Unit 12 Review A	1,2,3,4,5 A, B, C

Date	Chapter	Content	Assignments & Tests Due Dates	Competency Area
23	Fillet Welds	Unit 12 Fillet Welds		1,2,3,4,5 A, B, C
28	Fillet Welds	Unit 12 Fillet Welds		1,2,3,4,5 A, B, C
Mar 2	Groove Welds	Unit 13 Groove Welds	Test Units 10, 11, 12	1,2,3,4,5 A, B, C
7	Groove Welds	Unit 13 Groove Welds		1,2,3,4,5 A, B, C
9	Groove Welds	Unit 13 Groove Welds	Unit 13 Review A	1,2,3,4,5 A, B, C
14	Back or Backing and Melt Thru Welds	Unit 14 Back or Backing and Melt Thru Welds		1,2,3,4,5 A, B, C
16	Back or Backing and Melt Thru Welds	Unit 14 Back or Backing and Melt Thru Welds	Unit 14 Review	1,2,3,4,5 A, B, C
21	Plug and Slot Welds	Unit 15 Plug and Slot Welds		1,2,3,4,5 A, B, C
23	Plug and Slot Welds	Unit 15 Plug and Slot Welds	Unit 15 Review	1,2,3,4,5 A, B, C
28	Surfacing Welds	Unit 16 Surfacing Welds		1,2,3,4,5 A, B, C
30	Surfacing Welds	Unit 16 Surfacing Welds	Unit 16 Review	1,2,3,4,5 A, B, C
Apr 4-7	SPRING BREAK	SPRING BREAK	NO CLASS	NO CLASS
11	Edge Welds	Unit 17 Edge Welds	Unit 17 Review	1,2,3,4,5 A, B, C
13	Edge Welds	Unit 17 Edge Welds	Unit 17 Review	1,2,3,4,5 A, B, C
18	Spot Welds	Spot Welds	Unit 18 Review	1,2,3,4,5 A, B, C
20	Seam Welds	Unit 20 Seam Welds	Unit 20 Review	1,2,3,4,5 A, B, C
25	Stud Welds	Unit 21 Stud Welds	Unit 21 Review	1,2,3,4,5 A, B, C
27	Reviewing for Final Exam	Reviewing for Final Exam	Study Guide	1,2,3,4,5 A, B, C
May 2	FINAL EXAM	FINAL EXAM	FINAL EXAM	1,2,3,4,5 A, B, C

## COMPETENCY AREAS

1. Basic Lines, Sketching and Sectional Views
2. Detailed Specifications and Isometrics
3. Structural Shapes and Joint Design
4. Welding Symbols and Abbreviations
5. Industry Welds and Fabrication

## 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.