



**NORTHEAST TEXAS**  
COMMUNITY COLLEGE

## **WLDG 1313 001 – Introduction To Blueprint Reading For Welders**

Course Syllabus: Spring 2026

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

**Instructor:** Sergio Sanchez

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<b>Weekday</b>	<b>Office Hours</b>
Monday	2:30 PM – 5:00 PM
Tuesday	2:30 PM – 5:00 PM
Wednesday	2:30 PM – 5:00 PM
Thursday	2:30 PM – 5:00 PM
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:**

A study of industrial blueprints. Emphasis placed on terminology, symbols, graphic description, and welding processes. Includes systems of measurement and industry standards. Also includes interpretation of plans and drawings used by industry to facilitate field application and production.

### **Student Learning Outcomes:**

1. Define terms and abbreviations; and identify and explain object views, lines, and dimensions.
2. Identify, explain, and interpret weld symbols; identify structural shapes; demonstrate the proper use of measuring devices; read and interpret blueprints; read welding detail drawings; and calculate dimensions and material.

### **Evaluation/Grading Policy:**

*The breakdown of the course requirements is as follows:*

<b>%</b>	<b>Requirement</b>
25%	Quizzes and assignments
25%	Competencies and tasks

50%	Tests
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*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

Late work will not be accepted.

### **Required Instructional Materials:**

Blueprint Reading for Welders, Bennett, A.E. and Siy, Louis J; 9th edition.

**Publisher: Delmar, Cengage Learning  
60578-8**

**ISBN Number: 10: 1-133-**

### **Optional Instructional Materials:**

Architect ruler

### **Minimum Technology Requirements:**

None

### **Required Computer Literacy Skills:**

None

### **Course Structure and Overview:**

- |  |   |                        |
|--|---|------------------------|
| I. Sketching                                 | II. Dimensions                                  | III. Bill of materials |
| IV. Structural shapes                        | V. Other views                                  | VI. Sections           |
| VII. Detail assembly, and subassembly prints | VIII. Welding symbols and abbreviations         |                        |
| IX. Basic Joints for weldment fabrications   | X. Fillet welds                                 |                        |
| XI. Back or backing and melt through welds.  | XII. Plug and slot welds                        |                        |
| XIII. Surfacing welds                        | XIV. Flange welds                               | XV. Spot welds         |
| XVI. Seam welds                              | XVII. Applied metrics for welders               |                        |
| XVIII. Pipe welding symbols                  | XIX. International standard symbols for welding |                        |

### **Communications:**

Emails and text messages will be responded to within 24 hours.

### **Institutional/Course Policy:**

Attendance Policy

Regular and punctual attendance at all scheduled classes is expected. Attendance is necessary for

successful completion of course work. If you are absent more than two class periods, you are responsible for initiating procedures to withdraw from the class before you get a failing grade. Each class period equals to one regular semester week; therefore, two absents during this intensive course, it is too much to recuperate all miss classroom work. All course work missed, regardless of cause, is to be completed to the satisfaction of the instructor.

## **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- Introduction

Week 2- Intermediate drawings

Week 3- Prepare for finals