

Math for Welders

TEWT - 1190 101

Course Description

Instruction in basic math skills needed by welders. Addition, subtraction, multiplication, and division of whole numbers, fractions, decimals, metrics, and currency. Basic geometry and trigonometry formulas are taught.

Semester(s) taught: All

College Wide Student Learning Outcomes

- Students will successfully complete the Math for Welders book, the Midterm test, and the Final test.

Course Prerequisites

Enrollment in Math 1190.

Transfer/Certification/Licensure/Employment Information

This course meets the math requirements for the Welding Certificate of Completion for Salt Lake Technical College.

Engagement Plan

Example language:

- I will respond to email within 2 school days. I will offer feedback on major assignments within 3 school days. The best way to contact me is via the Canvas

Inbox, as I will prioritize this email over other modes of communication.

- In this course I will be posting interactive announcements which will offer specific opportunities for class questions and extra credit every other week.
- Additionally, I will be participating in the discussion forums with you to share my perspective within the discipline and to offer some nuances of interpretation that may not be present in your textbook.
- Lastly, we'll be holding small group Q & A sessions, where we can learn from our peers (and faculty) on some of the more difficult units within the course.

Keys for Success (how to succeed in the course)

Complete all assignments. This is important to build the progressive math skills to pass the midterm and the final exams.

Show up for all classes. Attendance has a direct impact on keeping caught up with assignments and receiving immediate feedback as to which problems were worked correctly or not.

All problems will be worked in class by the instructor, after students have had a chance to complete them.

Course Content Advisory

The midterm, final exam, and completion of all homework assignments will be given equal weight in the grading of the course. However, each element must be completed or passed by a 75% score or better.

Brief Description of Assignments/Exams

There are 41 units in the Math for Welders textbook. The problems start off with simple addition and subtraction but quickly progress to more complex problems. Some of the terminology is specific to the metal trades and will be discussed by the instructor.

The midterm exam covers all material up through Unit 20 in the Math for Welders textbook. The midterm exam is open book.

The final exam covers all material up through Unit 41 in the Math for Welders textbook.
The final exam is open book.

Assignment Schedule

| Due Date | Assignment Name | Assignment Type | Points |
|----------|--|-----------------|--------|
| | Introduce Yourself | Discussion | 0 |
| | Introduce Yourself | Discussion | 0 |
| | Introduce Yourself | Discussion | 0 |
| | Introduce Yourself | Discussion | 0 |
| | Introduce Yourself | Discussion | 0 |
| | Math for Welders Midterm | Quiz | 50 |
| | Roll Call Attendance | Assignment | 100 |
| | Roll Call Attendance | Assignment | 100 |
| | SECTION 1 HOMEWORK QUIZ | Quiz | 12 |
| | Section 1 Quiz | Quiz | 8 |
| 9/21/25 | SECTION 2 HOMEWORK CHECK | Quiz | 15 |
| 9/28/25 | Section 2 Quiz | Quiz | 7 |
| 12/8/25 | Math for Welders Final | Quiz | 39 |

Grading Scale

A (92-100%)

A- (89-91%)

B+ (86-88%)

B (83-85%)

B- (80-82%)

C+ (77-79%)

C (73-75%)

E (Below 72.9%)

I (Incomplete)

UW (Unofficial Withdrawal)

How to Navigate to Canvas

Institutional Policies

As members of our academic community, we would like to invite you to review the Institutional Syllabus which covers important policies and procedures. This document contains important links for students on the code of student rights and responsibilities, academic integrity, and grading policies, Title IX and other important acknowledgements. By familiarizing yourself with this information, you can help us create a safe and respectful environment for everyone.

For more information, navigate to the Institutional Policies tab on the [Institutional Syllabus](#) page.

Learning Support and Tutoring Services

We are pleased to offer a range of tutoring and learning support services to help you achieve your academic goals. Whether you need assistance with a specific subject or

want to improve your study skills, you have many options for tutoring or other support.

To learn more about the services we offer and how to access them, visit the [Institutional Syllabus](#) page under the Tutoring and Learning Support tab. We encourage you to take advantage of these resources to help you succeed in your studies. If you have any questions or would like to schedule a tutoring session, please don't hesitate to reach out to us. We are here to support you in any way we can.

[Advising and Counseling Support Services](#)

At our institution, we are committed to supporting your academic and personal growth. That's why we offer a range of advising and counseling services to help you navigate the challenges of college life. To learn more about the resources available to you and how to access them, visit the [Institutional Syllabus](#) page under the Advising and Counseling Support Services tab. Our advising team and the support centers across campus are here to support you in achieving your goals and overcoming any obstacles you may face.

[Student Academic Calendar](#)

As students you should be aware of all important dates in the semester, such as the day that courses begin and end, as well as the drop date and the last day to withdraw. To learn more about those dates, navigate to the Student Academic Calendar below:

[SLCC Student Academic Calendar](#)