

Salt Lake Community College

School of Applied Technology and Technical Specialties

Course Syllabus: Mill Basic Operation

- **Course Code:** TEMT 1815
- **Credits:** 1 Credit Hours
- **Semester:** Fall 2024
- **Class Schedule:** Wednesdays and Thursdays, 3:00 PM – 3:50 PM

Preferred Form of Communication

Please email me if you have questions outside of class, and I will answer you promptly. In person communication outside of class can be arranged by email.

Course Description

This course introduces CNC vertical milling. Demonstrate safe setup and operation of CNC vertical mill, CNC terminology, preparatory steps to run a CNC program.

Corequisites

- TEMT 1810

Course Learning Outcomes

Students will learn and demonstrate competency in the following:

- Demonstrate proper work holding for CNC mill machine.
- Demonstrate basic CNC mill machine setup.
- Demonstrate setting program zero for CNC mill machines.
- Use motion commands of rapid positioning, linear interpolation, and circular interpolation.
- Demonstrate interpersonal skills.
- Inspect and document finish dimension using various metrology.

Assignments:

All PowerPoints and assignments can be accessed through Canvas. Weekly class lectures will come from the PowerPoints in Canvas, and 1 short assignment based off the PowerPoints will be required each week. In class assignments will be given at random intervals; they cannot be made up outside of class unless previously arranged prior to date of absence. Assignments will account for 10% of your grade.

Attendance

Attendance is required to successfully complete this course and will be recorded and graded. If you cannot attend a class, send me an email ahead of time and we can arrange accommodation for any course material and in-class assignments that will be missed that day. Attendance will account for 10% of your grade.

Lab Projects

In this course, we will be doing projects that require the use of the computer lab and the machine shop lab. At times the labs will be administered to per student on an individual basis, and at times we will accomplish the labs in class groups. Most of this course's graded material will be lab assignments and projects. Lab projects will be graded according to timely completion, accuracy, and safe practices utilized. Lab projects will account for 70% of your grade.

Final Exam:

A final exam that includes concepts taught throughout the semester will be given at the end of the semester. The final exam will account for 10% of your grade.

Extra Credit:

2 assignments and 1 lab for extra credit will be made available during the semester. They will be given the same number of points as our regular assignments and labs.

Required Materials

Students are encouraged to bring a notebook and pencil. All other materials will be provided.

Grading Scale

- A: 93 – 100%
- A-: 90 – 92%
- B+: 87 – 89%
- B: 83 – 86%
- B-: 80 – 82%
- C+: 77 – 79%
- C: 73 – 76%
- C-: 70 – 72%
- D+: 67 – 69%
- D: 63 – 66%
- D-: 60 – 62%
- F: 59% and below

Code of Student Rights and Responsibilities

Your experience at the Salt Lake Community College Technical Center is important to me. You are valued as an individual, and I ask that you show that same respect to myself and other students. We want your education experience to be a safe and uplifting experience. Accommodation can be made by arrangement for any individual with disabilities. Academic misconduct in all forms will not be tolerated.

Harassment, threats, and discrimination of any form will not be tolerated. The violation of these standards may result in disciplinary action and sanctions against the violator. The comprehensive SLCC Code of Student Rights and Responsibilities can viewed through the SLCC website: [Code of Student Rights and Responsibilities | SLCC https://www.slcc.edu/policies/policies/student_affairs/8.1.050.aspx](https://www.slcc.edu/policies/policies/student_affairs/8.1.050.aspx)

In short, let's all be good humans to each other!

Important Dates

- **Last Day to Add/Drop Classes:** August 28, 2024
- **Tuition Due:** September 4, 2024
- **Last Day to Drop Classes with 100% Refund:** September 10, 2024
- **Fall Break:** October 17-18, 2024
- **Last Day to Drop Classes with no Refund:** October 22, 2024
- **Thanksgiving Break:** November 27-30, 2024
- **Final Exam:** TBA for week of December 5 thru 12, 2024
- **End of Semester:** December 14, 2024