



COURSE SYLLABUS

TEMM 1175

ADVANCED LATHE

SALT LAKE TECHNICAL COLLEGE (SLTC)

90 Clock Hours

Required Course Materials: Safety Glasses (Z87)

Textbook: Tooling U Subscription required

COURSE DESCRIPTION: This course will continue to explore how to use a lathe in a machine shop. Turning, boring, parting off, knurling and relevant mathematics will be covered. Students will become familiar with general safety precautions relating to advance lathe including advanced operation and performance of Engine lathes.

LEARNING OUTCOMES:

- Students will demonstrate the proper technique of turning between centers
- Students will demonstrate the proper technique of inside turning (Boring)
- Students will demonstrate the proper techniques of grooving and parting-off
- Students will demonstrate the art of knurling, as well as various reasons why to knurl
- Students will solve problems using algebra and trigonometry

COURSE SCHEDULE:

Monday, Tuesday, Wednesday, Thursday 5:00 PM to 10:00 PM

GRADING: This course is a pass/fail. Passing will be awarded **MC** (Master of Competency) or **NM** (Not mastered).

MC=80% or Higher on Assessments

NM=79% of Lower on Assessments

POLICIES AND EXPECTATIONS:

- Attendance is mandatory in order to participate in any Demonstrations by the Instructor.
- Please be on time, as Class starts at 5:00 pm.
- Students are expected to be respectful to each other at all times.

- Working together with other students is strongly encouraged.
- Headphones are not allowed, due to safety concerns of being distracted.
- There is no make-up policy, so please do everything possible to attend class
- Please refer to Canvas for ***the Institutional Syllabi***

This current course, and the entire program, is of a CBE/Hybrid Modality. It is essential to attend class on Lab days (Mondays and Wednesdays), while attendance is optional on Tuesdays and Thursdays (computer lab days). The computer portion of this course can be done in the comforts of you home if desired. We do have a computer Lab dedicated and reserved for this program (Room 126). This Lab will be open from 2 pm-10pm, Mon-Thur. We are very flexible for students using the computer lab so please see your instructor to make special arrangements if you need to use the lab at any other times.

INCLUSIVITY STATEMENT

This course is open to Everyone, regardless of race, color, national origin, language, sex, disability, age, sexual orientation, gender identity, religion, creed, ancestry, belief, veteran status, or genetic information. This program is all about Manufacturing, and what is expected of you when you enter industry. Student to Student collaboration is strongly encouraged, as this mimics industry standards. If for any reason something was said or done in class by anyone, please don't hesitate to talk with me about it. My Cell phone is listed on this syllabus, and I am always available 24/7

SAFETY

Safety rules have been put into place to protect you as well as other students. Any student caught acting unsafe, in anyway, will jeopardize your enrollment in the class. Make sure you know and understand and adhere to all safety rules.