

# MFG 201 : BENCH WORK

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## Transcript title

Bench Work

## Credits

2

## Grade mode

Standard letter grades

## Contact hours total

60

## Lab hours

60

## Prerequisites

instructor approval.

## Recommended preparation

MFG 100.

## Description

Using hand tools, files, hacksaw, chisels and coated abrasives. Includes shop safety, hand tapping, thread measurement, arbor press operations, micrometer and vernier caliper reading.

## Learning outcomes

1. Student will perform hand tap selection, and cut internally threaded holes.
2. Student will select, grade and use abrasive cloth to deburr metal edges.
3. Student will perform external cutting of threads using a die and diestock.
4. Student will perform precision measurement with both vernier and micrometer calipers to an accuracy of .001 of an inch.