

Metals I Course Overview

Semester Class

Block: 90 minutes

Course Description:

The purpose of the Metals Manufacturing Technology course is to introduce the student to the fundamentals of a machine shop. This course is aligned with the National Institute for Metal working Skills standards (NIMS).

1. Measurement, Materials & Safety – Apply Shop safety procedures, apply measuring procedures and concepts of metal characteristics.
2. BluePrints, Layout & Benchwork – Interpret Information Typically found on Blueprints, Layout procedures, procedures for using machine shop hand tools.
3. Machine Operations –Procedures for Drilling, offhand grinding, sawing, turning and milling.

Test

Tests will be at least 1 paper/pencil or online each week. Hands on test will occur as student masters objective. No student will be allowed to take test on a phone. No student will be allowed to be wearing a smart watch during seated test of any kind.

GRADING PROCEDURES

Grading:

Each 9 week grading period, the grading will be as follows:

Shopwork = 33%

Classwork = 33%

Tests = 33%

Semester Final Grade:

1st Quarter Grade = 40%

2nd Quarter Grade = 40%

Final Exam = 20%

Final Exam:

Will be given at the end of each course as a review of what was covered during that 18-week period. The final End-of-Course Exam (EOC) is a state mandated test prepared by Teacher or the North Carolina State Exam.