

862 - Machine Metalworking

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Course

862 - Machine Metalworking

1 semester: 1/2 credit

Open to grades 9, 10, 11, and 12

Machine Metalworking is a "hands-on", project based, introduction to the safe and accurate operation of machine tools. Topics covered include: engine lathe, milling machine, band-saws, drill presses, grinders, CNC, EDM, threading, print reading, lay-out procedures, precision measurement, and career opportunities

Grading

Your semester grade is weighted; 45% - 1st quarter, 45% - 2nd quarter and 10% - final exam. Each quarter grade is based on accumulated points and also weighted (F-Formative, S-Summative); Assignments and Quizzes (F - 30%), Projects (S - 40%), Tests(S - 20%) and Daily performance (F - 10%). A mid-term and comprehensive final exam will be administered at the end of each quarter. The grading scale is the high school standard; **A(92.5) A-(89.5) B+(87.5) B(82.5) B-(79.5) C+(77.5)** etc.

The fundamental purpose of grading is to provide feedback to students and teachers so that students will learn better and teachers will refine their strategies to help students improve. Grading communicates, to all of our stakeholders, achievement toward priority standards at a certain point in time to inspire future achievement.

- Summative assessments will be designed to measure the mastery of the course priority standards. Assessments will be organized by each standard.
- Group grades do not clearly represent an individual student's proficiency; therefore, a group grade will not be assigned. Feedback will be provided to group projects; however, each individual will receive an independent grade on what they demonstrate they know and are able to do.
- Formative assessments, homework, practice, and other learning activities will receive *feedback* and will not total more than 30% of the final grade as they are practice toward learning.
- Summative assessments/projects will have weight of 70% or higher in the final grade.
- If proficiency on a section of the summative has not been met, a student- initiated retake may occur after evidence of additional practice has occurred on that standard(s).
- The retake score will be recorded as the highest score in the gradebook.
- Grades can be viewed in Infinite Campus as they are regularly updated.
- Lateness or noncompliance are behaviors and will be addressed with the progressive discipline system.
- There is no extra credit.

Assignments

All class work will be given a specific due date, with ample time allotted in class to complete your work. Any assignment turned in after the due date is worth ½ credit, with no work accepted after the end of the quarter (with the exception of some project scores which will be fairly split between terms). If you need extra time on an assignment(s), the lab is open before/after school and during Primetime. If you are absent for an assignment you will be given three days to make up this work. Any daily points that are lost due to excused absences can be made up in full during Primetime. It is your responsibility to follow up after any time missed in a timely manner.

Infinite Campus

I will assume that you will regularly monitor your grades on Infinite Campus. I try to keep my grades as up-to-date and accurate as possible, but occasionally there may be errors (e.g. assignment marked missing that isn't, wrong score entered, etc.). If you notice an error please politely alert me when it is still possible to fix them (e.g. NOT three weeks after the end of the semester). Keep in mind that due to the length of time needed to complete the projects in this class the grade on Infinite Campus may not change for a period of time.

Class Materials

You will need a folder, notebook, and a pencil for class. Due to the lab activities, safety glasses are required and are to be supplied by the student. Although not required, a calculator is considered good to have on hand. There will be a textbook assigned to each student along with a locker to store it and anything else that may be needed for class. All other material will be given out via lectures, handouts, and assignments.

Absences

Being in class on a regular basis provides you the best opportunity to learn. It is your responsibility to contact me for any missed work because of an absence. Excused absences allow you to make up the missing assignment or test, unexcused absences allow you to make up only a missed test.

Classroom Rules

As your teacher, it is my goal to provide a safe and productive learning environment for **all** students. You, as young adults, are expected to conduct yourself in an appropriate manner. This includes showing respect to other students, taking care of the lab equipment and following all school rules. Any actions that could disrupt the education of others or the safety of others or oneself will not be tolerated and will be dealt with by the following steps.

1st offense: Verbal warning and loss of performance points

2nd offense: Office referral

3rd offense: Parental conference and office referral

4th offense: Removal from class

We have read the syllabus, and understand what is expected.

STUDENT SIGNATURE: _____

DATE: _____

PARENT/GUARD. SIGNATURE _____

DATE: _____