

# Olympus High School

## CAD-Mechanical Design I

### Course Disclosure for the 2024-25 School Year

#### Mr. Humbert

**Room:** 176, Pre-Engineering Studio

**Telephone:** 385.646.6763 (Direct), 385.646.5400 (Main Office)

**Email:** cyhumbert@graniteschools.org

**Planning Periods:** before and after school, by appointment only

**Utah Curriculum Standards:** [schools.utah.gov/file/eb9ed3fd-5f8f-45d6-907a-884494d6b25f](https://schools.utah.gov/file/eb9ed3fd-5f8f-45d6-907a-884494d6b25f)

#### Olympus High School's Mission Statement:

Olympus High School provides students of all backgrounds with a **welcoming, rigorous,** and **engaging learning environment** and the skills required for **academic, social,** and **emotional success.** We support students as they take accountability for their learning, their behavior, and their future values.

#### Academic Success - My Teaching Philosophy:

- Each student is important to me. I want to help build a stronger sense of self-worth within each student while sparking an interest and love of learning and STEM.
- Each student is an individual with unique learning needs. I will try to differentiate instruction and use a variety of the best instructional strategies to reach each learner.
- Each student should be an active participant in their own learning (learning by doing).
- LEARNING should be challenging, inspiring, intriguing, fun, individualized and comprehensible for all learners.

#### Academic Success - Course Description:

**From USBE:** The first in a sequence of courses that prepares individuals to develop technical knowledge and skills required to plan and prepare scale pictorial interpretations and technical documentation of engineering and design concepts. This includes instruction in the use of 2D Computer-Aided Design (CAD) software, sketching, drawing layout, geometric construction, orthographic projection and dimensioning.

#### Academic Success - Course Learning Objectives:

- Investigate career opportunities in engineering & engineering technology
- Understand the elements of an organized approach to solving an engineering design problem
- Document the design process and communicate the results of that process using appropriate techniques
- Understand and apply mathematics, measuring conventions, and scale
- Develop Orthographic views of a part with the correct dimensions and geometry
- Understand and demonstrate the use of correct line types
- Know and follow dimensioning standards (ANSI Y14.5) and apply the appropriate dimensions to drawings
- Understand and use 2D computer software to create technical drawings

### **Academic Success - Materials needed:**

1. Come to class prepared to work.
2. A pencil or a pen, folder, binder, laptop, **charging cable** & any other items needed every day.
3. Appropriate clothing must be worn (no open toe shoes in the shop and follow school rules).

**Social & Emotional Success - Discipline:** Remember as Titans we elevate each other to be **kind, accountable, and respectful**. In my class this includes being present and on time, staying focused, no cell phone distractions, participating in class discussions, helping your peers and keeping up with assigned learning activities. Citizenship grades are based on all of these behaviors.

**Social & Emotional Success - Teamwork:** Engineering is all about teamwork so you are to treat colleagues, mentors and partners with the utmost of respect. If personnel issues arise, as your supervisor, you are to report them to me and I will respond appropriately and immediately. You do not need to take them on yourself.

### **Social & Emotional Success - My Expectations:**

- **In order to be SAFE, you MUST:** keep busy, follow directions, show respect and display proper professional behavior.
- Work the entire class period and don't waste time.
- **All school policy is enforced in my classroom:** Please update yourselves on the dress code, attendance policy, cheating policy, cell phone policy, etc.
- If you need to leave class, you must ask for permission and use the hall pass.
- Your actions may not cause a problem for anyone else.
- If you cause a problem, you will be asked to solve it.
- If you cannot solve the problem or choose not to, I will do something.
- If you feel something is unfair, you could say, "I'm not sure that's fair," and we will discuss.
- Bullying will not be tolerated. You may not mistreat or disrespect each other.

### **Social & Emotional Success - My Class Rules:**

- You may chew gum in class as long as it does not cause a problem for ANYONE else, including me (i.e. leaving wrappers or chewed up gum in the classroom).
- You may bring water (only) to class to drink it as long as it does not cause a problem for ANYONE else. Please expect me to throw away any other drinks I see in the classroom.
- No food is allowed in the classroom. Please expect me to throw away any food in the classroom.
- No phones are allowed to be used in class without permission. They must be placed in the phone holder, as per OHS policy.
- You are to be in class on time. You will be responsible to make up any work due to tardiness or absence. School tardy policy will be adhered to (please see OHS Student Handbook).
- You must keep your area clean. You will be asked to stay after and clean if you created a mess.

**Academic Success - Absent/Make-up Work:** You should remember that **you, the student, are responsible for you**. I will try and assist you in being responsible by making missing assignments available to you. Assignments, tests, notes, quizzes and projects are to be completed and turned in for any days that you are absent after returning to school. You are responsible for gathering the work before or after school. You may have one school day for each school day you miss to make up your work before it becomes late work. Some assignments may not be made up (i.e. group projects or large shop projects). Those cases may result in substituted work or may need to be removed from the work to be graded entirely for the student involved.

**Academic Success - Late & Missing Work:** Late work will be accepted up until the final day of each term. However, all assignments other than assessments turned in beyond the due date may be given a **30% penalty**. Missing work will count as an “F” grade of 50% until turned in. Please be sure to let me know that you have handed in the missing work, as it is **your responsibility** to ensure that I receive it and know about it. I generally grade within a few days of receiving submitted work, but need to know that it was submitted, when after the deadline.

**Academic Success - Grading Policy:** Student grades will be determined by scores on assignments, tests, notes, participation, quizzes, group participation and projects. Students should notify the instructor when an absence is known in advance.

The letter grade is figured by the total points earned divided by the total points possible as follows:

|    |         |    |        |    |        |    |             |
|----|---------|----|--------|----|--------|----|-------------|
| A  | 100-94% | B  | 86-84% | C  | 76-74% | D  | 66-64%      |
| A- | 93-90%  | B- | 83-80% | C- | 73-70% | D- | 63-60%      |
| B+ | 89-87%  | C+ | 79-77% | D+ | 69-67% | F  | 59% & below |

- The best way to improve a grade is to submit any missing assignments
- Extra credit is generally not part of class, but will be announced if available
- Tardies and trancies are the same as the school policies
- Students and their projects may be posted on the internet

**Granite School District’s PURPOSE FOR GRADING Statement:**

Grades are intended to communicate progress to students & parents. They are intended to indicate at a prescribed moment in time what a student knows & can do with respect to course objectives that have been explicitly taught. They encourage the student to act on feedback and the teacher to adjust and individualize instruction. Non-academic habits & behaviors are reflected in the citizenship grade rather than the academic grade (unless specifically prescribed by a state learning standard).

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This signature form is worth **10 points** for your student, if it is completed and returned within 3 days.

Please acknowledge [online](#) that you have read and agree to have your student participate in this class as described. Alternatively, you may acknowledge by signing this form.

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Parent/Guardian signature

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Student signature

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Date

**Parent Contact information:** Please include so I can communicate with you as needed.

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