**Textbook:** Calculus (8th Edition), Larson, Hostetler, and Edwards. (2006)

**Course Description:** This course will be designed as a blend between a college-level math course and college preparatory course. Topics from a collegiate Calculus I class will be introduced at an in-depth level, since this course is usually taught in a semester at college. The objectives of this course is for you to become both proficient and strong in learning the fundamentals of calculus including the study of limits, differentiation, and basic integration, among other topics, that will prepare you for success in a college calculus I course. We may also have projects/papers/presentations throughout the year.

**Course Requirements:** You are expected to be present in class and take notes on all sections, complete homework to the best of your ability, work cooperatively with others, and to take and pass all exams and quizzes.

**Instructional Strategies:** Lecture will be provided as the main instructional strategy for this course. This is a college preparatory course - there will be some days where I will start lecturing at the beginning of the hours and go up to the end of the hour. However, all lessons may be recorded for viewing by students who are gone for a class, or for extra review purposes. These can be found on Hayfield’s Moodle Site. We may also have study group days, where students can work with others on assignments in a math environment.

**Classroom Materials:** Textbook, a pen and pencil, graphing calculator, notebook, and a three ring binder are necessities needed for this course. Organization for notes is a must. You must have a graphing calculator for this course (preferably TI-83 or 84).

**Grading Information:** Grading will be conducted following the high school’s 90% summative / 10% formative scale.

* ***Summative grades*** consist of exams, quizzes, and any high-level projects that I assign that have students’ demonstrate comprehensive knowledge at the end of an instructional unit. All chapter exams will be weighted the same, regardless or point total. A final exam, given each semester, will also be part of the student’s summative grade.
* ***Formative grades*** consist of homework points or other tasks assigned by me. Formative grades are assessments that are completed while students are still learning the material.

**Grading Scale:**

|  |  |  |  |
| --- | --- | --- | --- |
| Letter Grade | Percentage | Letter Grade | Percentage |
| A | 100%-94% | A- | 93%-90% |
| B+ | 89%-87% | B | 86%-84% |
| B- | 83%-80% | C+ | 79%-77% |
| C | 76%-74% | C- | 73%-70% |
| D+ | 69%-67% | D | 66%-64% |
| D- | 63%-60% | F | 59%-0% |

*What does this mean?* A, A- = Exemplary Work (90-99% Mastery of Subject Goals)
 B+, B, B- = Proficient Work (80-89% Mastery of Subject Goals)
 C+, C, C- = Acceptable Work (70-79% Mastery of Subject Goals)
 D+, D, D- = Mediocre Work (60-69% Mastery of Subject Goals)
 F = Unacceptable Work (less than 59% Mastery of Subject Goals)

**Guidelines about homework:** You cannot learn mathematics and become better at it unless you do the homework. Homework will be graded rarely in this class, so it is key that you complete your homework to the best of your ability and ask questions on any material you do not understand. It is to your advantage to not fall behind on homework administered and come see me if you have questions or need clarifications. The most rewarding part of my job is helping you understand concepts that may challenge you!

**Exams and Quizzes:**  Exams may be given per chapter or per half-chapter. We will usually have a quiz pr two between each exam. This will provide you with a chance to display knowledge while still in the forming stages of learning. It also will provide you valuable insight into what questions are to be expected on the exam.

**Make-Up Policy** I understand that you, and the student population, will most likely be gone for activities, illnesses, family vacations, or other reasons. Having podcasts posted online should alleviate any of the stress of missing class since you will be able to watch the uploaded lesson that night after the day’s class. However for quizzes or exams, unless you miss the day before an exam or quiz (or day of), you will be expected to take the exam or quiz on the day everyone else is. **Important: It is your responsibility to see me for any assignment missed. It is not my responsibility to remember who has and has not been in class and received the homework**

 **Class Webpage:** Our class website will [www.hayfieldmoodle.com](http://www.hayfieldmoodle.com). You can get to the Calculus class page by simply clicking “Math” on the home screen and then “Calculus”. Here you can find blank copies of the notes as well as podcasts and other important classroom materials like a copy of our course’s syllabus.

Classroom Expectations and Behavior

1. **Respect myself (the teacher), other classmates, and classroom materials.** This will make the classroom environment a positive environment and one were everyone can feel safe, comfortable, and have the ability to learn.
2. **Be ready and prepared to learn.** This involves being in your seat before the bell rings, and bringing all necessary materials with you to class. This also involves doing your part outside of the classroom in order to put yourself in the best situation to succeed in the classroom.
3. **Rules and policies of the school district will be enforced.** These are common knowledge for students who care to know them, and can be found in the student handbook.
4. **Have a positive attitude and always try your best.** I cannot guarantee a lot of things, but one thing that I can guarantee, is that if you put your best effort in and have a positive attitude, that will go a long way in you being successful in this class.
5. **You can expect me to fair, organized, and positive about this class and your involvement in it.**
I want to be involved in the learning and growing process along with you and mathematics is the vehicle I chose to do so. Working with students, like yourself, is what I enjoy doing.

One last rule that really should not have to be mentioned but will be…
- You may call me “Mr. Dosdall” or if you feel so inclined, “Coach” as I will have a few of you in various sports. You may not call me “Dosdall”, “Bro”, “Dude” or whatever variation of these that you may feel inclined to come up with. I will immediately correct you.

**Lastly, I reserve the right to add/change any of these guidelines on an individual basis.**