



PATTISON HIGH SCHOOL

We don't teach a class, we teach individual students in a class

Physics 12

Winter Semester 2019

Mr. Vandervelde

Room 119

Period 1

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Course Topics:

1. Kinematics
2. Dynamics
3. Momentum
4. Energy
5. Equilibrium and Torque
6. Circular Motion and Gravitation
7. Electrostatics
8. Electric Circuits
9. Electromagnetism

Course Materials Needed:

- Binder and lined paper (or a notebook)
- All material will be provided as handouts
- Scientific calculator

Calculator:

A scientific calculator is required for this course (a graphing calculator is not required, and cell phones are **not** allowed).

Calculators cannot be shared during tests.

Mark Distribution:

Quizzes and In-Class Assignments: 20%

Unit Tests: 40%

Midterm: 20%

Final Exam: 20%

Marking Philosophy:

It is required that you are organized – you must show the original formulae and each step in your calculations – for your homework but *more importantly for your tests*.

If units are not included in your first step or in your answer, it is incorrect and will not receive full marks. Significant digit will also be used throughout the course and improper significant digits will result in a loss of marks.

Homework:

Homework will be collected periodically for anecdotal purposes. It will not affect your overall grade.

Technology:

Cell phones are allowed in class, but only to listen to music. Create a playlist; being distracted by searching for songs is not acceptable. If cell phones are used for anything other than listening to music, they will be confiscated. Three warnings and you will lose the right to have your cell phone in class for the remainder of the semester.

Laptops are not allowed in class. Tablets (iPads) are only to be used for taking notes.

Absences:

If you miss a class, it's your responsibility to ask for homework you may have missed, and it's up to you to hand in work that was due during your absence. If you do not remember to hand in assignments on the date of your return, then the assignments will be penalized for lateness. If a missed assignment has not been turned in to me after three days, a grade of zero will result.

Attendance for Tests:

Notify your teacher in advance if you know that you will be absent for a test.

Missing tests because of an unexcused absence will result in a score of zero.

Extra Assistance:

Extra out of class assistance is available – I am in my room before class and after class, after school, and possibly during lunch. A specific time can also be arranged if necessary.