



**Physics 12**  
Mr. M. Lam  
mlam@vsb.bc.ca  
blogs.vsb.bc.ca/mlam/

**Course Outline**

1. Kinematics
2. Dynamics
3. Equilibrium
4. Energy
5. Momentum
6. Circular Motion
7. Gravitation
8. Electrostatics
9. Circuits
10. Electromagnetism
11. Electromagnetic Induction
12. Special Relativity

**Textbook**

Giancoli, Douglas C. **Physics: Principles with Applications**. 5th ed. Upper Saddle River, NJ: Prentice-Hall, 1998.

**Evaluation**

Final Report	
Tests	40%
Labs	20%
MyOpenMath	8%
Quizzes	2%
Midterm Exam	15%
Final Exam	15%

**Materials**

- Binder
- Lined and Graph Paper
- Pencil and Eraser
- Black and Red Pens
- Ruler
- Scientific and/or Graphing Calculator

**Website**

In this course, two platforms will be used to communicate and disseminate course material: my website and Microsoft Teams. My website (<http://blogs.vsb.bc.ca/mlam/>) is where you will get most of your course material. No hardcopy handouts will be provided. All handouts must be downloaded from the website. Students are expected to have access to required handouts during class time.

**Microsoft Teams**

Teams is where I will communicate with you (e.g. announcements, reminders, deadlines, etc.) and also where you can collaborate with each other. Assignments (e.g. lab reports) will be submitted on Teams. When submitting assignments, please ensure you have saved your file as a PDF.

**MyOpenMath**

You will have a weekly set of questions to complete on MyOpenMath ([www.myopenmath.com](http://www.myopenmath.com)). These questions will be due each Sunday at 11:59 pm. No late submissions will be accepted. Ten attempts per question are permitted. These question sets will be available after they are due for additional practice. Instructions will be given in class to explain how to enrol in the course on MyOpenMath.

## **Absences**

If you are absent for a class, you must bring a note signed by your parents indicating the date on which you were absent and the reason for your absence. Notes must also include a contact phone number where the parent may be reached. Unexcused absences may result in a zero for any work missed.

## **Lates**

Any work missed at the beginning of class can be made up for no deduction in marks only if a note is presented with a legitimate excuse.

## **Late Assignments**

Assignments which are handed in past the due date will receive a 10% deduction of marks per day. Late work must be turned in before the marked assignment is returned to the class.

## **Missed Test Policy**

If you are away on the day of a test, your parent or guardian must email me directly with a return phone number before 3:00 pm of that day. Failing to do so will result in a 20% penalty in marks (even when you bring a note). You must request to write the test the day you return. If you know ahead of time that you will miss a test (e.g. field trips), you must arrange an alternate test time in advance. In some cases, the missed test will be omitted with its weight added to the cumulative Final Exam. Unexcused absences will result in a zero for your test.

## **Exam Security**

You can review tests during class review sessions or by appointment if class time is insufficient. Removal of an exam from the classroom for any reason or copies of the exam by electronic or other means will be handled according to the school's policy on cheating.

## **Academic Honesty**

It is your obligation to inform yourself of the applicable standards for academic honesty. You must be aware that standards in this class may be different from those in other schools or classes. If you are in any doubt as to the standard of academic honesty on a particular assignment, then you must consult with me as soon as possible, and in no case should you submit an assignment if you are not clear on the relevant standard of academic honesty.

Cheating, which may include, but is not limited to:

1. use of or participation in unauthorized collaborative work
2. use or possession in an examination of any materials or devices other than those permitted by the teacher
3. use, possession, or facilitation of unauthorized means to complete an examination (e.g. receiving unauthorized assistance from another person, or providing that assistance)
4. obtaining or providing information concerning all or part of an exam prior to the exam
5. altering test answers after submission for grading, altering grades after that have been awarded, or altering other academic records

Disciplinary measures which may be imposed, singly or in combination, for academic misconduct include, but are not limited to the following:

1. a failing grade or mark of zero on the assignment or in the course
2. contact of parents/guardian by the administration
3. suspension from the school
4. suspension, cancellation, or forfeiture of any scholarships, bursaries or prizes
5. suspension, cancellation, or forfeiture of any reference letters from staff
6. a notation of academic discipline on the student's record