

# Physics 112 – Syllabus



**Teacher** Mrs. C. Logan

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**Room** 247

**Extra Help** Mon & Wed 3:30-4:30 pm

## Course Description:

The two year physics program is a prerequisite for most science and technology programs beyond high school. Laboratory work is an integral part of this course. The concepts to be learned include Kinematics, Dynamics, Work and Energy, Waves.

*Prerequisites: Science 10, GMF 10 AND NRF 10, or FI Prereq: FI Sci 10, FI GMF 10 AND FI NRF 10*

*Co-requisites: Foundations of Math 110  
FI Co-req: FI Foundations of Math 110*

## Assessment Plan:

- 50% Major Evaluations (Tests, etc)
- 20% Minor Evaluations (Assignments, Activities, Labs, etc)
- 30% Final Exam

## Course Outline:

### Approximate Timeline

05 classes		Math Toolbox	<i>Overview of necessary math skills that will be used daily</i>
15 classes	Unit 1	Kinematics	<i>Graphical and mathematical analysis of how objects move</i>
20 classes	Unit 2	Dynamics	<i>Newton's laws of motion, forces, and momentum</i>
20 classes	Unit 3	Energy	<i>Work, power, and efficiency, and conservation of momentum</i>
25 classes	Unit 4	Waves	<i>Properties of mechanical and EM waves/radiation</i>

### Textbook

*Physics* by McGraw-Hill Ryerson (replacement cost if lost: \$150)

- Hardcopies available to be used in class or at home
- Digital PDF copy available – bring a flashdrive

## Late Assignments






Students cannot turn in assignments which are formative in nature once a summative assessment has been collected. Special circumstances must be discussed in person between the teacher and student.

Students must complete all major assessment components in each of their five courses and be passing all courses in order to request an exam exemption.

## Marks Reporting on PowerSchool

➤ **Formative Assessment** provides ongoing feedback that can be used by instructors to improve their teaching and by students to improve their learning. It does not directly contribute to a student's final grade, but is essential for growth and strong achievement.

- Two examples that fall into this category are *practice work* and *practice quizzes*. Practice quizzes will be used to assess progress part-way through a new topic, and to prepare for summative assessments.
- These items will show an *Excluded* symbol on PowerSchool to indicate that they are not being factored into the final grade.










EVALUATION RUBRIC		
5		Exceeding Expectations (Excellent!)
4		Meeting Expectations (Great!)
3		Just Meeting Expectations (Ok!)
2		Approaching Expectations (Almost!)
1		Below Expectations (Yikes!)

➤ **Summative Assessment** is used to evaluate student learning at the end of an instructional unit or series of lessons. This work is given a numerical value and contributes to a student's final grade. The weighting is shown in the Assessment Plan section on the previous page.

- Examples of summative work are assignments and tests. On some occasions, I may decide to waive certain summative items for individual students – you will see the *Exempt from Final Grade* symbol if this has been done for you.

## PowerSchool Symbols:

This Legend shows the symbols that you may see next to assessment items in PowerSchool.

Legend																		
Icons		- Has Description		- Has Comment		- Collected		- Late		- Missing		- Exempt from Final Grade		- Absent		- Incomplete		- Excluded

Note:

**Has Description** symbol means I have added a note about the item that is visible to the whole class.

**Has Comment** symbol means that I have added a personal note that is visible to only you.

**Absent** symbol does not mean that the item is exempt or excluded, unless those symbols also appear.

## Assessment Policy:

- Every effort will be made to schedule tests at least one week in advance, however that may not always be possible.
- You are responsible for all of the material that will be covered on a test, regardless of absences.
- There will be no re-tests or rewrites if you receive a poor grade on a test.
- If you are absent the day of a test, you must bring an excuse from home and write the test at the next extra help session.
- Students who are caught cheating on tests in ANY WAY will receive a 0% – no negotiation.
- Late work will not be accepted or graded after other students' marked work has been returned to them.
- If an assignment is turned in on time but incomplete, you may finish it during supervised extra help sessions within a time frame that I will set, however, I may change the questions on your assignment.