

WELCOME TO PHYSICS 30!

*Discovery consists of seeing what everybody has seen
and thinking what nobody has thought.*

- Albert von Szent-Györgyi

THE COURSE

The diversity of *energy* and *matter* are the predominant themes of the Physics 30 course. The major concepts allow connections to be drawn among the four units for the course.

PHYSICS 30 CONSISTS OF FOUR UNITS OF STUDY:

- Unit 1 – Momentum and Impulse**
- Unit 2 - Forces and Fields**
- Unit 3 – Electromagnetic Radiation**
- Unit 4 – Atomic Physics**

COURSE EVALUATION

You will be evaluated in the following manner:

	<i>Emphasis</i>
SCHOOL AWARDED MARK	<i>70%</i>
<i>Your school-awarded mark is broken down into the following:</i>	
<i>Assignments, Labs25%</i>	
<i>Unit Tests, Quizzes35%</i>	
<i>Cum Exams40%</i>	
DEPARTMENTAL EXAM	<i>30%</i>
FINAL MARK	<i>100%</i>

Evaluation Rationale

Assignments and labs are intended to be both *formative* and *summative* in nature. Formative means it helps you learn and/or practice a skill or concept. As such, they are extremely important to complete to the best of your ability. Summative means it is graded so you know what level of achievement you have attained. This part, obviously, is what contributes to your overall grade. Tests and quizzes are both formative and summative as well. Quizzes are primarily summative, but when you go through them and identify what you did wrong, they serve as formative tools to help you improve. Tests, too, are primarily summative, but with the opportunity to recover provided by the cumulative exam they also are formative. The cum exams are mainly summative evaluations, although they do provide an opportunity (again) to learn from your mistakes. They are heavily weighted to emphasize their importance in the evaluation scheme, and provide a bit of a break-in period for the diploma exam, which is exclusively summative.

RULES AND EXPECTATIONS

1. Everyone has a right to be heard, as long as he or she is not infringing upon the rights of others.
 - *Only one person talks at a time.*
 - *No foul language will be tolerated.*
 - *Raise your hand to ask or answer a question.*
2. Everyone's opinion is valid and must be respected.
 - *No put-downs will be tolerated.*
 - *Treat others as you would like to be treated.*
 - *There is no such thing as a "dumb question".*
3. Learning is an interactive process; therefore, I expect class participation from *every* student in discussions and question/answer periods.
4. Education is a privilege, not a right. The facilities, instructor, and your fellow learners must be given the proper respect to enjoy the privilege of learning. The following class rules will be followed:
 - *No hats allowed in class. MP3 players may be allowed during work time, but NOT during learning time (ie. question/answer or lecture time).*
 - *No vandalism of books, desks, equipment, or other materials - there will be consequences.*
 - *Come to class with all materials necessary to work in class (i.e. books, paper, pencil, calculators, etc.). Do not waste your time or mine.*
 - ***Cell phones are not to be used in class unless they are being used as a device for a particular lab. Please keep them in your locker or backpack.***
5. Students must realize that good attendance is *essential*, as a large portion of your mark will be from class work such as *pop quizzes (at any time)* and *assignments*.
6. Assignments are due **at the beginning of the class**. If you are absent, a mark of zero will be assigned and it is YOUR responsibility to have applicable zeros removed by producing clearance of the absence (*within one school day*). An OMIT will be assigned to work that is completed after the day it was due, if an excused absence occurs. Students must still show this work to the teacher within a week of the assignment being due.
7. If homework is not finished due to any other reason, your teacher will apply the “**three strike rule**” where appropriate. This means you will receive an OMIT for unfinished work, rather than a zero, but must still complete the work and show it to the teacher **within a week** of the due date. This option can only be used up to **three** times in a semester. All labs **must be completed**.
8. Students must assume responsibility for their actions.
 - *It is your duty to be prepared for exams. If you fail, the only person you hurt is yourself.*
 - *If you make proper use of class time, as well as regular after-school study time, you will maximize your potential to achieve.*
9. I will help students outside of class time so that they may achieve their potential. However, students must put in the effort *in class* to earn my time *out of class*.