



# Physics 12

## Course Outline

**Course Layout** *The course is broken down as follows:*

Unit	Topic
1	Physics Review
2	Equilibrium & Torque
3	Circular Motion
4	Momentum
Midterm Exam	
5	Electrostatics
6	Electromagnetism
7	Induction
8	Modern Physics
Final Exam	

**Grading** *Your grade for this course will be calculated as follows:*

Item	Weight
Quizzes	10 %
Learning Guides	10 %
Projects	20 %
Unit Exams	20 %
Midterm Exam	15 %
Final Exam	25 %

**Learning Guides:**

Before you write a unit exam, you must send me all assignments leading up to the exam. All submissions MUST be very neat and well organized. If you can't figure out a question, you should be researching, then asking for help.

**Projects:**

Projects allow you to make some choices on how you wish to enhance your understanding. As you work through units look for projects that will enhance your understanding in areas of interest and/or weakness.

**Exam Supervision:**

Quizzes can be done on your own (not supervised). Use them as practice – ie. give them a try first, then refer to notes if you need a little extra help. Keep track of where you needed help and review prior to your second try and/or unit exam.

All exams are "closed book" and require supervision. If you are unable to access a local school to write your exams, you will need to find a teacher that will supervise your exams. Please have them e-mail me and I will send them the required information

**Resources:**

There is NO textbook required for this course.

You do need a basic scientific calculator.

**Keys to Success:**

1. Actively work through each lesson, trying examples and reflecting on material.
2. Use the Learning Guide as your tool for documenting your understanding. Lay it out neatly and well organized.
3. Make sure you understand any quiz/exam question you get wrong. If you can't figure it out - ASK!
4. Be sure to use the message system for regular communication with your instructor.