Physics

Mr. Caine
Phone: 961.9582
Office: 5201

e-mail: dcaine55@hotmail.com
www.cainephysics.com
www.mhhe.com/grr

The Course: *The goal of this physics course is to model physical phenomena. These models, both qualitative and quantitative, will describe what happens and why it happens. Since we will rely heavily on our quantitative models, mathematics is a very important tool. We will use algebra, geometry and basic trigonometry in this course.*
Some of the topics we will model include:
Kinematics: Motion of objects
Dynamics: Causes of motion
Energy Concepts: A different approach to motion and interactions
Electromagnetism: Motion of charged particles and the results of that motion
Wave Theory: Sound and light

Notebooks: *Students are expected to complete and correct all of the assignments for the course. To demonstrate this work, the students will turn in a notebook for each unit that contains:*
   Homework- completed with work shown.
   In-Class Worksheets – completed with work shown
   Mini-Labs- data and analysis shown with questions answered
Points will be accumulated for each unit. Intermediate checks may occur for partial points. Assume that the notebook will be turned in approximately weekly. Points will be subtracted for lateness.

Quizzes: *Quizzes will be given at the end of each unit. These quizzes will mostly include problems similar to those from class and the homework. These will make up a major portion of your grade.*

Laboratory Work: *Labs are done in order to develop the topics of the course. They are also used to develop some of the skills of an experimental physicist. Therefore, there will be different levels of labs depending on the topic.*

Final Exam: *There will be a final exam at the end of the semester that will count approximately 20% of the semester grade.*

Grading Scale:
A's 90 $\rightarrow$ 100% (90 $\rightarrow$ 92 A- 93 $\rightarrow$ 100 A)
B's 80 $\rightarrow$ 89%(80 $\rightarrow$ 82 B-,83$\rightarrow$ 86 B, 87$\rightarrow$ 89 B+)
C's 70 $\rightarrow$ 79%(70 $\rightarrow$ 72 C-,73$\rightarrow$ 76 C,77$\rightarrow$79C+)
D's 60 $\rightarrow$ 69%(60 $\rightarrow$ 62 D-,63$\rightarrow$ 66 D, 67 $\rightarrow$69D+)
Below 60 % is not passing

Attendance: *Your success in this course is dependent on your being present for the in-class work.*

Make-Up Work: *It is the student's responsibility to get all missed work and meet with the instructor to arrange deadlines.*

Retakes: *Retakes will be available on most of the evaluations. There will be a maximum score for each retest as determined by the instructor. Homework and labwork must be completed prior to all retakes.*

Academic Integrity: *No member of the Huron Community shall take unfair advantage of any other member of the Huron Community. Instances of academic dishonesty will lead to loss of all points for the assignment or test as well as administrative action*