Physics Course Syllabus

Contact Information

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Room# 103

Course Description

This is an advanced course designed to get students familiar with physics applications in the world around them. It is an elective course to prepare students for higher learning in the physical science field. We will use a variety of methods including visual, investigation, and laboratory exercises to learn the material. The course will begin by learning about motion and forces. Then we will dive into work, energy, and momentum. We will finish the course learning about heat, light and sound.

Required Materials

Writing utensil

Textbook

Notebook (recommended)

Calculator (recommended)

Grading Scale

A 93-100 % B- 80-82 % D+ 67-69 %

A- 90-92 % C+ 77-79 % D 63-66 %

B+ 87-89 % C 73-76 % D- 60-62 %

B 83-86 % C- 70-72 % E < 60 %

Grading Procedure

Grades will be determined based upon the following breakdown.

Tests 40%

Quizzes 30%

Labs / Activities 20%

Homework 10%

Lab Report Format

Lab reports are due at the beginning of class the day after the lab is completed. If working in groups, each person must turn in their own lab report. Each lab must follow a specific format and each section must be completed accurately.

Name

Date

Hour

Lab Station #

**Title**

**Purpose:** Summarize and develop a purpose of what you are investigating in your own words.

**Materials:** List all materials and equipment that you use during the lab.

**Procedure:** If a standard procedure, reference where to find the directions. Ex: refer to handout, refer to text p. 386.

**Data:** Include all notes, observations, measurements, calculations, data tables, etc. collected during the lab activity. This needs to be extremely detailed.

**Analysis:** A well thought out evaluation of data collected. Identify all trends or outliers in the data. Did you achieve the results expected? Identify any possible errors or suggestions for improvement in the future. Needs to be in essay format using complete sentences and appropriate grammar and punctuation.