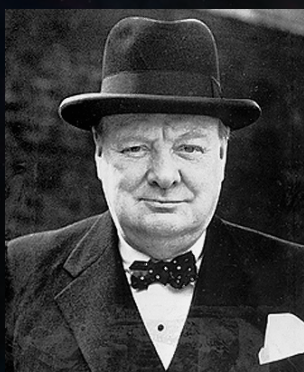


Physics 121

D. Dunfield



Success is stumbling from failure to failure with no loss of enthusiasm

- Winston Churchill

There is only one thing that makes a dream impossible to achieve: the fear of failure.

- Paulo Coelho



Course Outline

The textbook for this course is Physics, 5th ed. by Douglas Giancoli. The cost to replace it is about \$150.

Materials Required: Scientific calculator, 2" binder (for this course only) with sections for notes, problems and labs, graph paper (1 mm), looseleaf, flexible ruler or spline or French curve.

There will be one test at the end of each unit, plus one preliminary test (for a total of 8 or 9 tests).

You are responsible for keeping up on your homework. You are responsible for your own understanding of the material. If you do not understand, please come and see me. I am almost always available for extra help. Feel free to ask questions in class as well, keeping courtesy in mind.

You will have two types of assignments: problem based assignments, which will not be marked, but solutions will be provided; and computer assignments, which will make up your assignment mark.

Labs will be due one week after the lab was conducted unless otherwise stated. No labs will be accepted after the deadline. It is required that all labs and the research project be typed.

Notes, notification of tests, and other important information will be posted on my weebly site: www.fhsfizzix.weebly.com. A digital copy of the class notes and the set up file for computer quizzes will be available on MS Teams.

The 121 AP course will cover:

Chapter 23	Geometric Optics
Chapter 3	2D Motion
Chapter 4	Dynamics
Chapter 5	Circular Motion & Universal Gravitation
Chapter 7	Momentum in 2D
Chapter 8	Rotational Motion
Chapter 11	Simple Harmonic Motion
Chapter 16	Electric Charge, Electric Field
Chapter 17	Electric Potential, Energy, Capacitance
Chapter 18	Electric Currents
Chapter 19	DC Circuits


Breakdown of Marks:

Tests	40%
Assignments	10%
Research Project	10%
Labs	20%
Final Exam (Assessment week)	20%
Total	100%

It is strongly advised for you to work and study in groups. You will learn much more this way. If you wish to discuss the problems with me, you must first follow the procedure below:

- 1) If you have tried the problem, check the answer.
- 2) If you have the wrong answer, check your work.
- 3) If you can't find your mistake, or if you don't know how to do the problems, check with your group.
- 4) If you still can't obtain the correct answer, check the solution and review it with your group.
- 5) If you still don't understand, come see me.

Please note that this process is NOT because I don't want to help you, but rather it is to make you more independent as learners and prepare you for university.

 <http://fhsfizzix.weebly.com>

Review Test - next Monday

Covers material that was (or should have been) covered in Physics 111/2

- 20 Multiple choice
- 3 questions (10 marks each)
- Forces, Kinematics
- AP Style question
- Kinematics, forces, work, energy

Fire exit

Lock down

For next day: Pre-read Day 1 the notes.

Download and install Physics Quizzes from the Teams site (files tab)

