**Physics 11 Course Outline**

**TOPICS**

1. Introduction (measurements, significant digits, scientific notation, graphing, etc.)

2. Kinematics (displacement, velocity, acceleration)

3. Dynamics (forces, Newton's Laws, momentum)

4. Mechanics (work, energy, power, efficiency)

5. Special Relativity (Einstein's theories)

6. Waves (period, frequency, wavelength, amplitude, reflection, diffraction, refraction, interference)

7. Light (electromagnetic spectrum, photons, wave properties)

1. Optics ( plane, concave, convex mirror and lens images)
2. Nuclear Physics (decay, radiation, half-life)

Relate Physics to the modern world and describe the challenges that these issues pose.

**EVALUATION**

Tests and Quizzes 85 %

Assignments 15 %

**LATE WORK OR MISSED EXAMS**

Missed exams must be made up on your return to class.

Late or missed work will not be accepted but you will not be given a zero, rather, that portion of your mark will be added to your test.

**ACADEMIC MISCONDUCT**

Cheating or Plagiarism will result in a zero for the test or assignment and referral to the office for disciplinary action. Re-writes are not appropriate in any case of cheating nor will they be allowed.