Grande Prairie Regional College
Academic Upgrading Department

Physics 0110
Course Outline

Instructor: Sukhvir Sandhu

Office: C212

Phone: 539-2866

Class Time: Monday & Thursday 9:00 – 9:50 am in B207
Friday 8:30 – 9:50 am in B207

Office Hours: 10:15 - 11:15 (Monday to Friday) in C212
Or by appointment

Prerequisite: SC 0100
Co-requisite: Ma0100 or Ma0110 placement
Recommended : at least 6 in MA0100 / Grade 9 math

Textbook: Physics: Principle and Problems by Zitzewitz,

Supplies: lined, plane, and graph paper, scientific calculator, colored pens or pencils, 2 or 3 plastic folders, ruler, rubber etc.

Course Goals:

- To provide knowledge and skills in selected topics in physics.
- To develop an appreciation of the importance of physics in modern society and in day-to-day life.
- To develop problem-solving skills.

Attendance: Regular attendance, which is crucial for passing the course, is expected of all students. Students who miss classes will soon find themselves falling behind and failing. If you miss a class because of illness and other legitimate reason, please see me about catching up. Students with more than 20% absences may be debarred from writing the final exam.

Tests and Exams: There will be 4 tests throughout the term and a final exam at the end of the term. The tests and the final exam must be written at scheduled times. A missed test/exam will result in a score of zero unless prior arrangement to write the test/exam at some other time has been made with the instructor.

Assignments: There will be 5 assignments throughout the term. All the assignments must be handed in before the announced deadlines. For late assignments, the penalties is 10% for each extra day. Assignments will not be graded later than two days without the prior approval of the instructor.

Labs: There will be 3 – 4 labs throughout the term. Attendance is compulsory in all labs. A missed lab will result in a mark of zero for that lab. Make-up labs cannot be guaranteed, and may be permitted only under special circumstances. . All the labs must be handed in before the announced deadlines. For late labs, the penalties is 10% for each extra day. Labs will not be graded later than two days without the prior approval of the instructor

Evaluations:

Tests	32% (4 tests)
Assignments	15% (5 assignments)
Lab Reports	12% (3 or 4 lab reports)
Final Exam	41%

Course Content:

Chapter 3	Describing Motion
Chapter 5	A Mathematical Model of Motion
	Test #1
Chapter 6	Forces
	Test #2
Chapter10	Energy, Work, and Simple Machine
Chapter 11	Energy
	Test #3
Chapter 12	Thermal Energy
	Test #4
	The Final Exam

The 9-Point Grading System

9 or 8 (80 % and above) -------- Excellent
7 or 6 (65 % to 79%) ---------- Good
5 or 4 (50% to 64%) ---------- Pass
3, 2, or 1 (below 50%) -------- Fail