

Course Outline 2010-2011

Physics 112/111

Teacher: Nancy Sherrard

Unit 1: Kinematics

Vector Analysis
Graphical Analysis
Mathematical Analysis
(Textbook Reference: Chapters 2 and 3)

Unit 2: Dynamics

Introduction
Newton's Laws
(Textbook Reference: Chapters 4 and 5)

Unit 3: Work and Energy

Work, Power and Efficiency
Transformation, Total Energy and Conservation
(Textbook Reference: Chapters 6 and 7)

Unit 4: Waves

Fundamental Properties
Sound Waves and Electromagnetic Radiation
(Textbook Reference: Chapters 8 and 9)

Evaluation

Assignments/Labs	15%
Tests/Quizzes	45%
Midterm	10%
Exam	30%

Materials

Binder, Notebook
Duo-tang, Scribbler
Paper
Scientific Calculator
Ruler/Protractor
Pen/Pencil

Textbook: Physics (McGraw-Hill Ryerson) - \$143.33

Extra Help:

Extra help is available at noon and after school except on supervision day – TBA.