



**Course Outline 2013-2014**  
**Physics 112/111**  
**Teacher: Nancy Sherrard**

**Curriculum:**

**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	30%	
Quizzes/Tests	30%	• Incentives – TBA
Midterm	10%	• There will be a 20% deduction for each day an assignment is late.
Exam	30%	

**Materials**

Binder or Notebook  
Scientific Calculator  
Ruler/Protractor  
Pen/Pencil

**Textbook:**

Physics (McGraw-Hill Ryerson)

**Extra Help:**

Extra help is available 12:10-12:40 and after school three days a week – specific days will be announced once my supervision day is known.