

Introduction to Physics IA

PHY A10 - Fall 2014

Tuesday 3:00 pm - 4:00 pm AA 112 Arts & Administration Building

Thursday 3:00 pm - 5:00 pm AA 112 Arts & Administration Building

The most incomprehensible thing about the world is that it i

Required Materials

Textbook: Physics for Scientists and Engineers by Randall D. Knight (Pearson, 3rd Ed.)

ISBN-13# 9780134035628 or 9780133948158

U of T Bookstore SKU# 13237028 or 13237455

The schedule provided at the end of this document indicates the readings you must complete before each lecture. The reading quizzes and in-class participation will be based on this assigned readings.

Your first time reading the assigned material does not need to be highly detailed. Focus on the main concepts, read one or two examples, and browse quickly through any derivations. This first reading will be the assumed starting point for all lectures. Therefore, failing to complete the readings and associated reading quizzes will impair your ability to understand our lecture discussions.

The textbook also provides the conceptual questions and detailed problems that will be the subject of the weekly online homework, practical activities, and group quizzes. Please note that you will need an access code to MasteringPhysics, either through a bundled textbook or bought separately from the bookstore.

Automated Student Response System:

Grade Components

Reading Quizzes (5%)

Before each Tuesday lecture and on MasteringPhysics you will be asked a set of questions from the assigned textbook readings for that week. You will have until 11:55 am on Tuesday to submit your answers. Each quiz is worth 5 points, and your final grade is the total sum of all quizzes up to a maximum of 50 points. Use the Class Schedule to prepare for the lectures and reading quizzes.

Participation (5%)

During each lecture we will work on clicker questions from the textbook readings and the lecture presentation. During each lecture 1 point can be earned by answering at least 75% of the questions asked. The total sum of all lecture points makes up your participation grade up to a maximum of 20 points. In addition, after each lecture one participation question will be selected for a performance bonus. An extra 1% will be awarded to those students that correctly answer 50% or more of the performance questions.

Online Homework (5%)

These will be a weekly set of questions posted on MasteringPhysics. The questions will be based on the previous week's textbook reading material and lecture d

Final Examination (35%)

The final examination will be scheduled during the exam period.

Lecturecasts and Lecture Notes

Videos of the lecture discussions will be available after each session and will remain accessible for two weeks. These videos are not meant to replace your participation in the lecture discussions. They are provided to help you review difficult material in preparation for other course components. The slides from the lectures will be made available on the course website after each lecture. To prepare for a lecture you should read the assigned textbook materials.

Facilitated Study Groups (FSG)