Required Materials

Textbook: Physics for Scientists and Engineers by Randall D. Knight (Pearson, 4th Ed.)

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

Your rst time reading the assigned material does not need tobe highly detailed. Focus on the main concepts, read one or two examples, and browse quickly thorogh any derivations. This rst reading will be the assumed starting point for all lectures. Therefore, *á*iling 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 detiled 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 Mastering Physics , either through a bundled textbook or bought separately from the bookstore.

Automated Student Response System: iClicker or iClicker + by Macmillan

You will need a clicker to answer the in-class participationquizzes. To receive the participation mark you must register your clicker by Monday, September 18 . Instructions are available on the course website.

Note that in order to receive this participation mark you must be present with your u u

Grade Components

Reading Quizzes (5%)

Before each Tuesday lecture and on MasteringPhysics you wilbe 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 worth5 points, and your nal 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 leas 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 answer50% or more of the performance questions.

Online Homework (5%)

These will be a weekly set of questions posted on Mastering Bysics. The questions will be based on the previous week's textbook reading material and lecture is cussions. Each homework is worth10 points, and your nal grade is the average of the best 10 results. A mix of conceptual questions and applied problem-solving exercises will be included. Doot spend more than two hours on each homework.

Practical Sessions (20%)

In these three-hour weekly sessions you will work in groups discuss examples on the concepts introduced in your textbook readings and lecture presentations. Groups will apply these concepts and principles, in order to develop skills useful in scienti c conceptual analysis and general problem-solving.

Final Examination (35%)

The nal examination will be scheduled during the exam period of December 07 - 20. Material for the nal examination will include all the topics discussed in the assigned textbook readings, lecture presentations, online homework, and practical sessions. He nal examination will be 3 hours long and the format includes multiple-choice questions as well **a** detailed problems. The only aids allowed are your non-programmable scienti c calculator, and a handwritten, double-sided, and letter-sized aid sheet. Photocopies or computer printouts are not allowed.

Class Policies

Name and Student Number

Any work you hand in must clearly indicate your name and student number, this includes practical activities, formal reports, tests, and the nal exam. Any work you submit that fails to meet this requirement will be penalized with a 10% deduction, provided we are abled identify the work as yours. If we are unable to identify the work as yours, a grade of zero will be awarded.

In-class Conduct

Class starts at 3:10 pm, and ends at 4:00 pm on Tuesday and 5:00 m on Thursday. Late arrival or early departure from class is inappropriate and will negatively a ect your participation grade.

Regarding anything that you want to use in the classroom: if you are not using it to perform a task speci cally related to what we are doing in class at that very moment, you must put it away. This includes but is not limited to cell phones, laptop computers tablets, and other electronic devices.

Do not bring food into the classroom as this creates unwanted bistractions that will negatively a ect the learning environment. Be considerate to your pees.

e-mail