I (and possibly Mr. Kuhlman) will be using Quest Online homework site in our general physics / advanced physics classes. Internet-based homework will be assigned on a periodic basis with assignments will have specific due dates. These homework assignments should be done at home or can be done on school computers. You will need internet access. You will get the homework assignments from the website and then enter answers directly to the website, where your assignment will be scored.

The URL is: [https://quest.cns.utexas.edu/student/](https://quest.cns.utexas.edu/student/) (please, write down this site in your planner and then make it a favorite on your home computer as this will make it easier to access throughout the year.)

After you type the web address above, I think you will see the follow picture and information:

Press the “Log into Quest” button to get started:

You will then see the logon page:
Since you probably don’t have a UT EID (logon) and password, you will need to set one up. Click the “I need a UT EID.” That will take you to this page:

**Get a UT EID**

This process asks for your personal information so that we can determine whether you already have a UT EID. This is important because creating a new UT EID when you already have one can cause problems or delays in accessing university services.

If we determine that you already have a UT EID, we will connect you to your existing UT EID. Otherwise, we will use the information to guide you through the process of creating a new UT EID.

Hit, “Continue.”
You will now answer some questions and place your name, etc. into the system. You will go through several screens. The answers to the questions on the first page will be ‘no’ unless you have had some affiliation with the University of Texas in the past. *Make sure to put in a current email when asked.*

Make sure to write down your UT EID and password in your planner AND on the provided file card for safe keeping. You will need the EID and the password throughout the year.
Once you get your UT EID and password, log back into the website if needed:

https://quest.cns.utexas.edu/student/

- Click the arrow beside "Get Started." Put in your UT EID and password.
- Make sure that the "Hello" in the upper right-hand corner has your name.
- Under the MY COURSES tab, choose "ENROLL IN NEW COURSE" See below:

See the next page for the next screen shot.

Supply the UNIQUE # in the box and choose "LOOKUP COURSE INFO"

For a list of the unique #, see next page. Make sure to type in the correct class you are in!
For example:

If you are in Mr. Gleue’s first hour Advanced Physics class, type in **10451-11**, and then click the ‘Lookup course info’ button.

**Enroll in new Course**

Please enter the unique # of the course you want to enroll in:

Unique #: **10451-11**  

You will see the following screen shot (see next page):
Please enter the unique # of the course you want to enroll in:

Unique #: 10451-11

Make sure date and instructor is correct

NOTE: Make sure you select the CORRECT year and semester: (Lawrence HS Fall 2012). You may see courses from previous years.

Just use the arrow key with your mouse to get to the 2012 course if you see some from other years.

Once you have selected the correct course, then click the “request enrollment.”

I now have to approve your enrollment.

Once, I have approved your enrollment, you can return to Quest (refresh your screen), and select the class (see next page for pic.)
Once you have selected your course, you will see a list of assignments or maybe just one assignment:

You can now select the assignment and get started working on it.

Due Dates are given at the right for each assignment.

If you run into a question, here is the support page link for students:

http://web4.cns.utexas.edu/quest/support/student/
Some special notes:

Due date times

All assignment due date times are in Central Standard Time (CST).

View assignments (PDF files)

To view assignments you will need to be able to view PDF files.

Get adobe reader: http://get.adobe.com/reader/

a) Numeric input: On "numeric" questions, you input ONE NUMBER -- integer, decimal or scientific notation.

b) Significant digits and precision
The computer carries out all calculations to at least six significant digits. Do not round off intermediate calculations or your final answer. Six digits are shown in solutions.

To be scored as correct, an answer must be within 1% of the computer's answer (except for an answer of zero, which must be exact). You will be informed of any exceptions to this tolerance.

c) Scientific/Engineering notation ("times 10 to the power")

Very large or very small numbers may be input with "scientific notation," e.g., +3.56e-10, which is 3.56 times ten to the negative tenth power. However, 468 (or 468.0) is just as good as +4.68e+02 or +4.68E+02.

Important point: When putting in large or small numbers, use scientific notation. Type the number, then ‘E’ for 10, and then the exponent either as positive or negative.
**Scoring** a) Multiple-choice questions

A randomly guessing student should, on average, receive the same score as a student who does not answer. Our multiple-choice scoring scheme corrects for random guessing by giving negative scores for incorrect answers. (The SAT does this also.) This scheme makes haphazard guessing a waste of time, which will not improve (or help) a student's score over the long run.

If students are not sure of the correct answer, but they can eliminate one or more of the choices as wrong, they increase their chances of selecting the correct answer. Statistically, it is to their advantage to answer such a question.

The table below illustrates how the neutral scoring scheme works for a +10.00 point question. The table is subdivided into three blocks, which represent the number of choices for a particular multiple choice question: Block 1 (10 choices); Block 2 (6); and Block 3 (3 choices). Each block includes three columns: Try represents the number of times a question is attempted; Correct represents the question score if answered correctly on this particular attempt; and Incorrect represents the question score if answered incorrectly on this and all previous attempts. For example, when you select the correct choice on the first try, you receive full credit; a score of +10.00. If your answer is incorrect (on a 10 option question), however, you are penalized and you receive a negative score of -1.11 (at least until you try again).

<table>
<thead>
<tr>
<th>Question with 10 choices</th>
<th>Question with 6 choices</th>
<th>Question with 3 choices</th>
</tr>
</thead>
<tbody>
<tr>
<td>Try</td>
<td>Correct</td>
<td>Incorrect</td>
</tr>
<tr>
<td>1</td>
<td>+10</td>
<td>-1.11</td>
</tr>
<tr>
<td>2</td>
<td>+7.78</td>
<td>-2.22</td>
</tr>
<tr>
<td>3</td>
<td>+5.56</td>
<td>-3.33</td>
</tr>
<tr>
<td>4</td>
<td>+3.33</td>
<td>-4.44</td>
</tr>
<tr>
<td>5</td>
<td>+1.11</td>
<td>-5.56</td>
</tr>
<tr>
<td>6</td>
<td>-1.11</td>
<td>-6.67</td>
</tr>
<tr>
<td>7</td>
<td>-3.33</td>
<td>-7.78</td>
</tr>
<tr>
<td>8</td>
<td>-5.56</td>
<td>-8.89</td>
</tr>
<tr>
<td>9</td>
<td>-7.78</td>
<td>-10</td>
</tr>
</tbody>
</table>

b) Numeric questions using web submission: For more than one try, the full credit score is multiplied by 0.93 \(^{(t - 1)}\), where "t" is the number of tries that you use, and the "\(^{\text{\tiny{^}}\)\)" is notation for "to the power of." (Note: 0.93 \(^{\text{\tiny{^}}\)\) = 1.)