The **Personal Response System©** is used to facilitate interactive learning in Chem 163. Consequently you are required to purchase a **PRS** Transmitter for use in each class. After registering your **PRS** Transmitter, each answer you submit is tagged with your name, for attendance purposes, and is anonymous to the rest of the class. A histogram displayed on a screen at the front of the class summarizes the class answers to problems/questions posed by the instructor. The **PRS** will be used to take attendance in lecture for credit so be sure to bring your **PRS** transmitter to class each day.

See:  [http://www.gtcocalcomp.com/interwriteprs.htm](http://www.gtcocalcomp.com/interwriteprs.htm)

**Purchase **PRS** Transmitter**

- Each student must buy a Transmitter at either the Rutgers or Douglass/Cook Bookstore (about $33 new/$22 used).
- The transmitter will be used in other courses.
- The bookstore will buy the Transmitter back for half the cost.

**Register Transmitter**

- Locate the number on back of the Transmitter and register your **PRS** with the instructor.

**PRS** Transmitter Operation

- Press power key to ON (green LED lights up on your Transmitter).
- Locate the nearest Receiver (red LED on upper walls) and point Transmitter toward it.
- Press button on Transmitter corresponding to your answer (LED's will flash).
- Check that computer received your answer on **PRS** screen at front of classroom.
- Batteries (2 AAA 1.5 volt Alkaline) should last the whole semester (If LED becomes dim, you probably need to replace batteries).
Display of Class Statistics

- After all answers received or time runs out, the computer program compares the correct answer with the students' answers and calculates statistics.
- Histogram summarizing class answers displayed anonymously on screen at front of room.
- Answers given during lecture exercises are not recorded by the instructor.

Confidence Level Option

- Your confidence in your answer as well as your answer to a question can be entered if you press H (for high confidence), L (low confidence) or nothing (medium confidence) before entering your numeric answer on your Transmitter.
- Histogram displayed at front of class will be color coded according to the confidence levels entered by the class: **Green** = Medium confidence, **Red** = High confidence, **Yellow** = Low confidence.

Details of Grading

- You will receive one point for attending each of 39 lectures starting with the second week of the semester (Thursday, September 8) through the 14th week. Excused absences are permitted (illness, special events, etc.). Written documentation is required for all excused absences.
- Attendance in lecture will be taken by use of the PRS transmitters.
- You are allowed credit for attending three classes in which you fail to bring the transmitter. After that, only a half point will be given for four additional lectures attended without one.
- You will receive one point for each homework assignment completed, which will normally be collected during lecture on Wednesdays. Graded assignments will be returned during recitation meetings on Thursdays. Homework (text exercises plus handouts) will be collected and graded for all lectures except Lectures 1, 2, and 3. The problems in the Fundamentals sections are meant for review of high school chemistry. Please try a representative number of the odd numbered problems.
- You may receive a maximum of 73 points for lecture attendance (39) and homework (34).

The grade lines for attendance plus homework are:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>≥ 70</td>
</tr>
<tr>
<td>B+</td>
<td>≥ 67</td>
</tr>
<tr>
<td>B</td>
<td>≥ 61</td>
</tr>
<tr>
<td>C+</td>
<td>≥ 59</td>
</tr>
<tr>
<td>C</td>
<td>≥ 56</td>
</tr>
<tr>
<td>D</td>
<td>≥ 53</td>
</tr>
<tr>
<td>F</td>
<td>&lt; 53</td>
</tr>
</tbody>
</table>

- Grade lines for scores on exams and recitation quizzes will be determined based on class performance. The lines, however, will be no higher than 90% for an A, 80% for a B, and 70% for a C. At the end of the semester, all numerical scores (exams and quizzes) will be totaled and compared to the sum of all grade lines to determine your course grade (A, B+, B, C+, C, D, or F). There may also be a number of online Sakai quizzes worth additional points that will be curved.
- The work on recitation quizzes and exams is expected to be entirely an individual effort. See the link on our web page to the **University Policy on Academic Integrity**.
- A “simple” calculator is required for use on all exams, preferably one with no text or equation memory. Useful information is given on the Information Pages on exams.
- You will receive a maximum of 10 additional points for lecture bonus quizzes (usually, 2 points each). There are no make-up bonus quizzes. During these special quizzes, students are encouraged to discuss possible answers with their classmates.