Instructor: Dr. Eric Sheagley
Office: Science Building II, Room 316
Email: sheagley@pdx.edu (this should be the primary means of contact). Also, D2L has a Discussion List feature that allows communication with your classmates. I will be making a point to regularly check the Discussion Board.

Office Hours: Monday, Wednesday 2:00 - 3:00 and Tuesday, Thursday 4:00 – 5:00


Exams: There will be two one-hour midterms (100 pts each), three short quizzes (20 pts each), 5 online pre-chapter quizzes (5 pts each), and a two-hour final (180 pts) (see schedule). The final exam will be cumulative. The material to be covered during each exam is shown on the schedule.

Participation: Aside from that assessments listed above, there are an additional 60 points you can earn toward your overall score. These points are earned through answering clicker questions in class and completing either MasteringChemistry or the chemistry workshop, CH284. Thirty points can be earned through the clicker questions and an additional 30 points can be earned through MC or CH284.

Clicker Questions: In-class points will be awarded for answering clicker questions. Two points will be awarded for each response; an additional point is earned for a correct answer. Earning 75% of the total available points from the clicker questions will confer full credit for participation (30 points). There will be no makeup offered on the clicker questions, hence the 75%. If you miss a day or forget your clicker, just make sure you make up for it during the next lecture.

MasteringChemistry or CH284: If you are enrolled and successfully complete the chemistry workshop, you will be given 30 points toward your grade. If you are not enrolled in CH284, you homework will be administered through Mastering Chemistry, an online homework system. MC assignments will be assigned most weeks. Directions for accessing MasteringChemistry are available in the administrative folder in the content section of D2L. **Deadlines for these assignments WILL NOT BE EXTENDED – NO EXCEPTION WILL BE MADE!** If you miss a deadline, you will receive a score of zero for the assignment. Your overall homework score will be based upon a 30 point maximum. You will receive maximum credit if you score at least 75% of the overall total available points. You will have access to each assignment at least one week before the due date. The deadlines for the assignment will be in the evening at 11:00 PM.

Quizzes: There will be three 20 point quizzes given at the end of class (see schedule). **THERE WILL BE NO MAKE-UP QUIZZES.** At the beginning of each chapter there will be a pre-quiz (available on D2L) due at the beginning of class the first day that we begin covering the material. **THERE WILL BE NO MAKE-UP PRE-QUIZZES.** Your lowest quiz and pre-chapter quiz will be dropped.
Grading: There will be a total of 500 points possible for this class (60 points for homework, 60 points for quizzes, including pre-chapter quizzes, 200 points for the midterms and 180 points for the final). Your grade will be assigned based on the percentage of total points scored in the class approximating the following scale (Note: this scale may change based on class performance):

<table>
<thead>
<tr>
<th>Grade Score</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Score</td>
<td>≥ 90%</td>
<td>≥ 80%</td>
<td>≥ 65%</td>
<td>≥ 55%</td>
<td>&lt; 55%</td>
</tr>
</tbody>
</table>

Success: Success in this class comes from within. I do not give you a grade, you earn the grade. Before beginning this class, decide what you hope to accomplish in this class. Actively participate in the class. The homework, Workshop or MasteringChemistry, is by no means enough practice to develop the skills necessary to succeed in this class. It is necessary to challenge yourself with as many problems as you can from many resources. Ask for help, use your classmates, use D2L use the Chem Commons, use my office hours. Make every attempt to be an active learner because chemistry does not just come to the vast majority, most have to work to understand it. Finally, make sure you are doing everything you can to figure out what works for you by reflecting on how you learn the material.

Policies:

1. Missing an Exam: If you miss an exam, please contact me within 24 hours. I will allow you to reschedule your exam only if your absence was excused, EXCEPT in the following cases, where you will need to take the exam ahead of time:

   a) Previously scheduled work or family commitments
   b) School-sponsored field trips or athletic events

   Illness, work conflicts and family emergencies are considered excused absences. Other instances will be evaluated on a case by case basis. All exams must be made up before the exams are passed back in class. Failure to notify me of the reason for your absence, as well as unacceptable excuses, will result in a score of zero for that exam.

2. Professional Demeanor: It is expected that you will act with professional demeanor and attitude at all times. This includes, but is not limited to, being respectful at all times to the instructor and to your colleagues. It also expected that you refrain excessive talking, cell phone use, or disruptive internet use in class.

3. Mistakes are sometimes made while grading exams; the good news is that they are usually addition errors, which I will happily fix. Exam scores have a margin of error. If you believe there has been a serious mistake on grading your exam, you may ask me, IN WRITING, to regrade exam up to one week after the exam is returned. If you turn in an exam to be re-graded, I reserve the right to re-grade the entire exam and may assign a score either higher or lower than the original score.

4. Dishonesty: I expect that the work you do in this course is your own. Academic dishonesty, which includes a variety of actions, will not be tolerated in this course. Cheating during any examination will be reported and the student(s) will receive an “F” for the exam.

5. Accommodation: If you have a physical or learning disability and you need extra accommodation, please be certain you are registered with Disability Services and make appropriate arrangements with me.
### Chemistry 221 Schedule

<table>
<thead>
<tr>
<th>Date</th>
<th>Activity</th>
<th>Unit</th>
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<tbody>
<tr>
<td>9/25</td>
<td></td>
<td>Ch 1</td>
</tr>
<tr>
<td>9/27</td>
<td></td>
<td>Ch 1, Ch 2</td>
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<tr>
<td>10/02</td>
<td></td>
<td>Ch 2</td>
</tr>
<tr>
<td>10/04</td>
<td>Quiz Ch 1, 2 / Pre Quiz Ch 3 / MC Ch1,2 due</td>
<td>Ch 3</td>
</tr>
<tr>
<td>10/09</td>
<td>Pre Quiz Ch 4 / MC Ch 3 due</td>
<td>Ch 3, Ch 4</td>
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<tr>
<td>10/16</td>
<td>Midterm 1</td>
<td>Ch 1-3</td>
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<td>10/18</td>
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<td>Ch 4</td>
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<tr>
<td>10/23</td>
<td>Pre Quiz Ch 7</td>
<td>Ch 4, Ch 7</td>
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<tr>
<td>10/25</td>
<td>MC Ch 4 due</td>
<td>Ch 7</td>
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<tr>
<td>11/01</td>
<td>Pre Quiz Ch 8, MC Ch 7 due</td>
<td>Ch 7</td>
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<tr>
<td>11/06</td>
<td>Quiz Ch 4, 7</td>
<td>Ch 8</td>
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<td>11/08</td>
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<td>Ch 8, Ch 9</td>
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<tr>
<td>11/13</td>
<td>MC Ch 8 due, Pre Quiz Ch 9</td>
<td>Ch 9</td>
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<tr>
<td>11/15</td>
<td>Midterm 2</td>
<td>Ch 7-8</td>
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<tr>
<td>11/20</td>
<td>Vacation / MC Ch 9 due</td>
<td>Ch 9</td>
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<td>11/22</td>
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<tr>
<td>11/27</td>
<td>Quiz Ch 9, Ch 10 / MC Ch 10 due</td>
<td>Ch 10</td>
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<tr>
<td>11/29</td>
<td></td>
<td>Ch 10, review</td>
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</tbody>
</table>

**Final Exam, Tues., December 4 1730-1920**

**Disclaimer:** As the instructor of this course, I reserve the right to change the tentative schedule of topics, number and length of examinations, point distribution, course requirements, and percentages required for letter grades in order to better facilitate the learning process.

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### Where can I get chemistry help

**CHEMISTRY DEPARTMENT TUTOR ROOM SCHEDULE IN SB1 ROOM 221**
- **MON-THURS** 10am-6pm;
- **FRI** 11-2

**CHEMISTRY TUTORING IN SMSU 439:** The schedule is forthcoming (usually daily)
Text Homework:
These will *not* be graded. Some quiz and midterm problems *may* be taken from these problem sets. The answers to these problems are provided in the back of the text and in the solutions manual. **Success in this course is strongly correlated with time spent working problems.** Waiting until just before a test to work problems rarely results in success.

*For each chapter you should complete the “Examples”, “For practice” and “For More Practice” problems*


Chapter 8: End of Chapter Problems: 1-36, 37, 39, 41, 43, 45, 47, 49, 51, 53, 55, 57, 59, 61, 63, 65, 69, 71, 73, 75, 77, 79, 81, 83, 85, 87, 89, 91, 93, 95, 97, 99, 100, 101, 103, 105, 107, 111, 119, 121, 123, 124, 125, 131, 133


Setting up your clicker

Whichever version of the "clicker" you have (the NXT or the ResponseWare software license) you will want to put your ODIN ID into it so that I can give you credit for your attendance and responses. If you are confused about your ODIN ID, it's the one you use to log into D2L and most of the other formal school stuff. It is NOT the nine-digit PSU student ID number that starts with a 9!

Logging in to/creating a ResponseWare account:
1. Once you have purchased your ResponseWare license (either at the bookstore or directly from the company at Turning) you will want to set up an account on rwpoll.com. (If you have already done so, skip to step 5.)
2. Go to www.rwpoll.com and select ‘Create an account now’
3. Enter your license code in the first box and then proceed with all the other information. Your email will be your login ID once the account is created.
4. Next, you have the option to add your name to the account under User Options. This will auto generate the information when you join a session.
5. When joining a session, make sure that you first login to your account.
6. Once you have logged in, you can join a session. After entering the session ID remember to put your ODIN username in the User Data field. Otherwise you won't get points for participating!

(If you are using an iPhone (apple) app, you will select Join As to login to your ResponseWare account. Then open the app and click on the "Your Identity" box. Fill in your name in the first two lines and put your ODIN ID into the third line (User Data). Don't forget to save!)

The procedure below is from our Turning rep for programming your ID into the NXT clicker device:
Entering your student login (ODIN) ID into the ResponseCard NXT.
1. Turn on the NXT by hitting any button.
2. It may ask you to enter a channel number, if so type in ‘41’ and Enter button. The enter button is the silver oval in the middle of the arrows.
3. Select the Toolbox button on the right side of the screen. To do so, you will hit the Right Function key to the right of the arrows.
4. Using the arrows, scroll over to the Your I.D. option and hit enter.
5. Enter your student login (ODIN) name (e.g., jonesrg) on the NXT and hit enter. (The ODIN login is case sensitive so make sure you are on the right case. Use the abc button to change case and to change to numbers. If you need to delete what you have entered, use the arrow key button below the abc button.)
6. A smiley face will appear. At that point you can exit out of the menu using the Left Function key.

If you need more help operating your NXT, you can check out the tutorials here:
http://trainingportal.turningtechnologies.com/responseDevices.cfm

And the user guide here: