Chemistry 11200 is a foundational general chemistry course for agriculture, health and human science, and other majors. The course is oriented around helping you learn the fundamental chemistry concepts, calculations, and laboratory skills you need in your major. We have a diversity of majors in the course and believe that it is important to relate the chemistry you are learning to the topics you will see in other courses. In so doing, we hope you gain an appreciation of the relevance of the chemistry you learn to living organisms.

The course begins by exploring the states of matter and behavior of gases. We next move to thermodynamics, kinetics and finally we move into organic chemistry and biochemistry. Across all topics there is a simultaneous emphasis on development of problem-solving skills and conceptual understanding. Laboratories are scheduled weekly and offer an opportunity to reinforce and extend what is discussed in lecture, explore new topics, and to develop your hands-on laboratory skills.

There are two lecture sections of CHM 11200 taught by professors Abu-Omar and Paula. There are graduate teaching assistants who teach laboratory and recitation sections.

The Chemistry 11200 team—the professors, lecture and laboratory coordinators, teaching assistants, administrative assistants, and general chemistry preparations lab—are committed and focused on helping you learn chemistry. We know that this is a foundational course for your major and in order to achieve your goals and dreams you need to do well in the course! Please read on to learn about the required materials, lecture and lab schedule, recommended ways to study, lab policies, grading, and other course policies and procedures.

BRWN 1144, The General Chemistry Office, 49-45250 The General Chemistry office handles all the administrative details associated with the course. All non-chemistry questions about the course should be directed to this office. For example, go to BRWN 1144 to get grade checks, to discuss exam conflicts, to get clarification on course policies, to resolve grade issues, to change your schedule (weeks 2 and 3), and to get signatures on university forms such as add/drop forms. The lecture and lab coordinators and assistants Mrs. Linn and Mrs. Reynolds are able to help you with a variety of requests so you can maximize your success in general chemistry.

Lecture and Lab Coordinators: Shu-Hao Yeh is the lecture coordinator, BRWN 1144, phone: 49-45250; syeh@purdue.edu. Nick Sortedahl is the lab coordinator, BRWN 1144, phone: 49-45250; nsorteda@purdue.edu. The General Chemistry Office is in Brown 1144 and the staff in that office can also answer questions for you, or direct them to Shu-Hao Yeh, Nick Sortedahl, Dr. Abu-Omar, or Dr. Paula.
**Supplemental Instruction:** There are Supplemental Instruction (SI) study sessions available for this course. These study groups are open to anyone enrolled in this course who would like to stay current with the course material and understand the material better. Attendance at these sessions is voluntary, but extremely beneficial for those who attend regularly. Times and locations for the help sessions can be found here: [www.purdue.edu/si](http://www.purdue.edu/si) or on the BoilerGuide app. Students who attend these interactive sessions will find themselves working with peers as they compare notes, demonstrate and discuss pertinent problems and concepts, and share study and test-taking strategies. Students are asked to arrive with their student ID card, lecture notes and questions to these informal, peer-led study sessions.

Our SI leader for this semester is Emily Buatois. Her sessions will be held on Tuesdays and Thursdays at 5:30 pm in C218 of McCutcheon Residence Hall.

**Course Information:** Log on to Blackboard Learn to find Chemistry 11200 [http://www.itap.purdue.edu/itt/blackboard](http://www.itap.purdue.edu/itt/blackboard)

Lecture outlines, reading assignments, announcements, and other course information are available on the course Blackboard page. It is recommended you visit it often!

**Required Materials**

**Textbook:** *Introduction to Chemistry, 3rd edition, Bauer/Birk/Marks (Purdue Custom edition)*

ISBN # 978-1-25937-662-7; McGraw-Hill ISBN # 978-0-07-340267-3. McGraw-Hill Connect online homework program access code comes with the book. If you had access to Connect from CHM 11100 last semester, you do not need to repurchase Connect access, you only need to register for the CHM 11200 course. If you have purchased a used copy of the text, you will still need to purchase access to the online homework program. A link on the course webpage will direct you to a site where it can be purchased.

**Lab Manual:** *Chemistry 11200 Laboratory Manual,* Purdue University, Spring 2015 Edition, Fountainhead Press. The required laboratory notebook pages are in the back of the lab manual which is available at the local bookstores.

**Calculator:** A simple battery operated scientific calculator with exponential, logarithm and square root functions will be needed for exams. Two-line non-programmable calculators are allowed. Alpha-numeric and programmable calculators will NOT be allowed for exams. Calculators are available for purchase outside WTHR 200 during the first two weeks of class.

**Lab Materials:** The lab manual with carbonless lab notebook pages, a sharpie (black, permanent ink) for marking lab glassware, a padlock for your assigned lab drawer (by week 4), an electronic storage device for lab data, and approved splash proof safety goggles, available at the bookstores, outside WTHR 200 during the first two weeks of classes, or from the storeroom on the 1st or 2nd floor in BRWN.

**Week #1 Assignments:**

- Purchase required materials (see above).
- Register for your CONNECT account and complete the first CONNECT homework assignment.
- Attend recitation and lecture.
- Read all the information in this course packet.
- Read the Reading Assignments and Learning Objectives (on Blackboard).
- Complete the safety certification available on the course Blackboard page with a score of at least 20/25 by your lab period in week 2. *You must complete your safety certification before you can work in lab.*
Weekly Assignments:
(Also refer to the “Some Ways to Study Chemistry” section found in your custom textbook or on the course Blackboard page.)

- Attend lecture, recitation, and lab.
- Complete the reading assignment before lecture (see lab/lecture schedule, p.11).
- Complete your weekly Connect homework assignment or supplied problem set (due each Friday at 11:59 pm).
- Prepare for lab: read the relevant lab manual chapter, do the textbook reading assignment for lab (see lab/lecture schedule), and complete the pre-lab exercises including the lab procedure outline.

Overview of CHM 11200 Activities and Policies
***For more detailed information, see the course Blackboard page or the insert in the Purdue custom edition of your textbook.***

Reading
See the lecture schedule for the reading assignments. Reading the assigned material prior to lecture and laboratory is recommended. Some of the material will be covered in lecture and some on your own.

Lectures
Student versions of the lecture notes may be posted on Blackboard prior to each lecture. These are not verbatim copies of the lectures, but are outlines of the lectures. Audio recordings and video capture of lecture slides can be downloaded from the Boilercast website (http://www.itap.purdue.edu/tlt/BoilerCast/).

Cell phones, computers, iPods or other electronic devices not being used for instruction purposes are distracting for everyone in a learning situation. Please respect your classmates and turn off your cell phones and iPods in lectures as well as in recitations and labs. Computers can be used to take notes and follow lecture, but you should not be using Facebook, iChatting, etc. during class. Talking out loud to classmates during lecture is distracting to other students and is disrespectful to the lecturer. If you have a question please ask, but otherwise remain quiet and allow the students around you the opportunity to pay attention.

Recitation
Your teaching assistant conducts a weekly recitation designed to help you understand laboratory that week and to discuss any questions you may have from lecture, the CONNECT homework or any problem sets. You will have time to ask questions and check your homework, problem sets and pre-lab answers so take your homework questions and lab manual with you to recitation.

Homework (CONNECT)
Each week you will have an online homework assignment in CONNECT. In addition, there will be LearnSmart assignments for each chapter from the textbook that we cover in class. A few homework problems will likely appear as questions on exams.

Deadlines for completing the on-line assignments will be listed on the online CONNECT Assignment page. Homework will usually be available on Monday mornings and due on Fridays at 11:59 pm, 11 days after it is assigned. You will have a maximum of three attempts to complete each homework question before the listed due date. Homework will be scored and recorded on-line and there is no hand grading or regrading of homework. No time extensions are possible for homework assignments.
**Laboratory**

Laboratory exercises are an integral part of CHM 11200 and are an opportunity for you to experience in a hands-on way the chemical concepts discussed in lecture.

- Lab attendance is required since CHM 11200 is a laboratory course. There are no make-up labs or excused absences. Scores for approved GAPS and MAPS absences will be prorated. Contact the lecture coordinator for more information.

- You are required to complete 10 of the 12 scheduled lab projects to pass the course. If you fail to complete three or more lab projects, an automatic grade of “F” will be assigned for the course at the end of the semester.
  A failure to complete (zero score) will be assigned in the following cases:
  - being absent for any reason (except GAPS/MAPS approved absences)
  - being dismissed from lab for safety violations, including improper dress and goggle infractions
  - arriving more than 10 minutes late
  - inadequate preparation that hinders lab participation
  - not contributing constructively to the group’s work in lab
  - failure to submit a lab report
  - not participating in preparation of the lab report

- Before you can work in lab in week 2, you must complete the online safety certification found on Blackboard with a score of 20/25 or better.

- Follow all lab safety regulations (see below).

- Before lab, read the experiment and attend recitation to help you prepare.

- Complete the pre-lab exercises and prepare an experimental procedure in your lab notebook before coming to lab. Pre-labs are due at the beginning of the lab period.

Arrive on time, properly dressed, and prepared for lab work.

**Appropriate Clothing** Chemistry department regulations state that you must wear clothing in the laboratory that protects your skin from your neck to your ankles and feet when you are sitting, standing or reaching. Shoes that cover your feet entirely are required. Your best option for chemistry lab attire is a t-shirt, jeans without holes, and sneakers with socks. **If you attend lab in unacceptable attire, you will be sent home and will receive a zero for the lab.**

*Unacceptable* clothing includes, but is not limited to: sleeveless, low-cut (i.e. below the collar bone), bare midriff or tank tops, pants that are ripped or have holes in the fabric of any size, Capri pants, shorts, short skirts, open-toed and/or open-heeled shoes (including Crocs, Birkenstocks or other clogs), sandals (with or without socks), ballet flats, slippers, moccasins, or any shoe that doesn’t cover the entire top of your foot, with or without socks. **In short, your skin must be covered from your collarbone down to your feet.**
• If you arrive at lab more than 10 minutes late or improperly dressed, will be asked to leave the lab and will receive a score of zero.

• Endeavor to work as an effective member of the team.

• Complete the lab report appropriately:
  - Use pen and write neatly.
  - Label graphs and tables.
  - Use the data you collected for the calculations and analysis.
  - Use correct units of measurement and significant figures.
  - Use chemical terms and concepts correctly.
  - Ensure results and conclusions are consistent with your data and observations.

• Lab reports are due before leaving lab the day lab work is completed and the lab is closed, that is 10:20 AM, 2:20 PM or 5:40 PM.

• Lab reports will be returned one week after they are submitted. If you have questions about your grade, speak with your lab instructor or the lab coordinator.

**Safety**
Students’ safety in the laboratory is a priority and everyone is required to comply with the following safety regulations.

• Proper dress (clothing and shoes) and goggles are required. Refer to the detailed information on the course Blackboard page or in your Purdue custom edition textbook for what constitutes proper dress for the laboratory.

• Wear gloves when specified.
• Food and beverages are not allowed in the labs.
• If your hair is longer than shoulder length you must tie it behind your head.
• Contact lens wearers are encouraged to wear glasses in the laboratory.
• Follow your instructor’s guidance on appropriate handling of hazardous materials and disposal of chemical waste.
• Promptly clean up spills and tidy the laboratory before leaving.

Exams
Exams are a chance for you to demonstrate your comprehension of the course material and are worth approximately 60% of your final grade. Your lowest exam score or ½ your final exam score will be dropped at the end of the semester.

Spring 2015 hour exam schedule:

<table>
<thead>
<tr>
<th>Exam I:</th>
<th>Thur., Feb.05, 2015</th>
<th>8:00 p.m. – 9:00 p.m.</th>
<th>Elliott Hall of Music</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exam II:</td>
<td>Mon., Mar.09, 2015</td>
<td>6:30 p.m. – 7:30 p.m.</td>
<td>Elliott Hall of Music</td>
</tr>
<tr>
<td>Exam III:</td>
<td>Tues., Apr 14, 2015</td>
<td>6:30 p.m. – 7:30 p.m.</td>
<td>Elliott Hall of Music</td>
</tr>
</tbody>
</table>

Final Exam: time and place to be announced – see below

• Attendance at exams is required. There are NO make-up exams and absences are not excused. If you are absent for one exam, your score will appear as a zero until the end of the semester, at which time one zero score can be dropped. You will receive no score (zero points) for additional missed exams.
• Scores for approved GAPS and MAPS absences will be prorated. Contact the lecture coordinator for more information.
• If you have a direct conflict with another exam, class, or required university activity, contact the General Chemistry office (BRWN 1144) at least one week before the conflict. You will be asked to provide written verification of the conflict. If an emergency occurs, contact the General Chemistry office (BRWN 1144) as soon as possible.
• Hour exams are one hour in length. You should arrive at least 15 minutes before the exam start time. If you are more than 15 minutes late for an exam, you will not be allowed to take the exam.
• Exams are given in the Elliot Hall of Music. Before Exam I, you will receive an exam seat assignment (level, aisle, row, and seat) for the entire semester. Take your PU ID, your seat assignment, an appropriate calculator (see details on page 2), and #2 lead pencils with you to the exam. You may not share a calculator with another student.

Final Exam
• The final exam is a 2-hour comprehensive exam. The time and place will be announced midterm.
• Wait until you know the date of the final exam before you make travel plans that might conflict with the exam. Final exams will NOT be rescheduled to accommodate your travel plans.
• University policy on Final Exams states: “Students scheduled for more than two (final) examinations in one calendar day are entitled to reschedule any examination in excess of two. It is the responsibility of the student to make necessary arrangements before the last week of regularly scheduled classes.”
Determining your Course Grade, Spring 2015

Each of the assigned course activities for CHM 11200 is worth the number of points listed below. Before course grades are finalized at the end of the semester the following scores will be dropped:

- your lowest lab score
- your lowest exam score or ½ your final exam score, whichever is lower

The total number of points for CHM 11200 will be distributed as follows:

<table>
<thead>
<tr>
<th>Activity</th>
<th>Points</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homework</td>
<td>200</td>
<td>(best 10 Connect homeworks (20 pts each)</td>
</tr>
<tr>
<td>Labs</td>
<td>200</td>
<td>(best 10 of 12 at 20 pts each)</td>
</tr>
<tr>
<td>Exams</td>
<td>450</td>
<td>(3 at 150 pts each)</td>
</tr>
<tr>
<td>Final Exam</td>
<td>300</td>
<td>(comprehensive)</td>
</tr>
<tr>
<td>Sub-total</td>
<td>1150</td>
<td></td>
</tr>
<tr>
<td>Drop</td>
<td>-150</td>
<td>(drop lowest exam score or ½ final exam score, whichever is less)</td>
</tr>
<tr>
<td>Total</td>
<td>1000</td>
<td></td>
</tr>
</tbody>
</table>

After the Final Exam your course grade will be based on the following scale:

- A: 875.0 pts and above
- B: 775.0 – 874.9 pts
- C: 675.0 – 774.9 pts
- D: 575.0 – 674.9 pts
- F: 0 – 574.9 pts OR if you have fail-to-complete scores for 3 or more of the 12 scheduled lab projects (i.e. if you miss 3 or more labs, your course grade is automatically an F)

Save all returned graded papers and your exams until after you have received your course letter grade for CHM 11200. To resolve any discrepancies, your paper(s) will need to be reviewed.

Course Activities, Policies and Procedures

Studying Chemistry

Expect to spend at least 8-12 hours per week on chemistry outside of the normal class time. This time includes preparing for lecture, paying attention and taking notes during lecture, reviewing your notes after lecture, and completing homework, reading, and lab assignments.

Sources of Help

There are several free sources of help for CHM 11200 students, including professor office hours, TA office hours, Supplemental Instruction and the Chemistry Resource Room.

Changing Sections/Dropping

UNIVERSITY DEADLINES - Spring 2015  
Jan. 26: Last day to cancel (drop) a course without it appearing on your record.  
Feb. 9: Last day to cancel (drop) a course without a grade.  
Mar 23: Last day to cancel (drop) a course (with a passing or failing grade).
**CHEMISTRY DEPARTMENT DEADLINES – SPRING 2015**

| Mon Jan. 19: | LAST day to add chemistry or switch lab sections without instructor approval |
| Fri. Jan. 30: | LAST day to switch lab sections or LAST day to add CHM 11200 (if not enrolled in another CHM course) |
| Fri. Feb. 6: | LAST day to switch from another CHM course to CHM 11200 (subject to instructor approval) |

**Changing Sections:** A change in lecture or lab section requires the approval of the course coordinator in BRWN 1144 after the first week of classes. Because of the processes associated with assigned lab drawers and Blackboard and Connect enrollment, we will not make a section change for students after week #3 of the semester. If you change sections after you check into a locker drawer, you must check out of your old locker drawer before checking into a drawer in your new section.

**Adding the Course/Late Registration:** Students are usually not permitted to add CHM 11200 after week 3 of the semester (Fri. Jan. 30). Notify the course coordinator no later than Fri. Jan. 30 if you register late to see about making up missed assignments.

**Dropping the Course:** If you drop CHM 11200 after having checked into a lab drawer, it is your responsibility to check-out of your assigned drawer during your scheduled lab period. Failure to check-out of lab will result in your padlock being cut, a $45 fee, and forfeiture of the right to determine the acceptability of all locker drawer equipment.

**Disability Accommodations**
If you require accommodations to access course activities or materials, the accommodations must be described and approved by Disability Resource Center, Young Hall Room 830, 302 Wood Street, 494-1247, www.purdue.edu/drc. To implement accommodations you must follow the instructions listed as “Responsibilities of the Student” in the letter prepared by the Disability Resource Center. **Take a copy of this letter to the General Chemistry Office in BRWN 1144 within the first three (3) weeks of the semester or within one week of the date of the letter to discuss your accommodations.** Timely notification is critical for implementation of your needs.

**Absences**
- Verified grief and military absences are the only excused absences in CHM 11200. Students who experience the death of a family member or close friend and students who are called into military service should contact the Office of the Dean of Students at 765-494-1747.

- The lowest lab score and the lowest exam score will be dropped at the end of the semester to account for other types of absence. If you have concerns about absences affecting your course grade, contact your instructor at the time of the absence.

- If you experience an absence that is expected to be for an extended period of time (normally a week or more), you should contact the Office of the Dean of Students at 765-494-1747. A member of the Dean of Students staff will notify the student’s instructor(s) of the circumstances. **The student should be aware that this intervention does not change in any way the outcome of the instructor's decision regarding the students’ academic work and performance in any given course.**

**Grief Absence Policy for Students (GAPS)**
If you experience the death of a family member or close friend, notify the Office of the Dean of Students at 765-494-1747. Scores for any missed assignments under a verified GAPS absence will be pro-rated (assigned a score based on your average and the class average).
MAPS Absence Policy for Students (MAPS)

Military Absence Policy  A student should contact the Office of the Dean of Students (ODOS) at 765-494-1747 to request that a notice of the leave be sent to instructors as soon as the student is informed of the dates of mandatory military training. Given proper documentation, the instructor will excuse the student from class and provide the opportunity to earn equivalent credit and to demonstrate evidence of meeting the learning outcomes for missed assignments or assessments.

Academic Dishonesty
All students are expected to be familiar with Purdue’s policies on academic integrity (https://www.purdue.edu/odos/osrr/academic-integrity-brochure/). Consequences of academic dishonesty include receiving a lower or failing grade for an assignment, being required to repeat the assignment, and/or receiving a lower or failing grade for the course.

Diversity Welcome
We believe every student in the course has something of value to contribute. Please take care to respect the different experiences, beliefs and values expressed by students and staff involved in this course. We support Purdue’s commitment to diversity, and welcome individuals of all ages, backgrounds, citizenships, disabilities, education, ethnicities, family statuses, genders, geographical locations, languages, military experience, political views, races, religions, sexual orientations, socioeconomic statuses, and work experiences. See: http://www.purdue.edu/diversity-inclusion/

***For additional information about Purdue University Policies, Sources of Help, Ways to Study Chemistry, and Safety Policies, see the “Course Information” folder on the course Blackboard page or the insert in your Purdue custom edition textbook. ***

Emergencies

In the event of a major campus emergency, campus requirements, deadlines and grading percentages are subject to changes that may be necessitated by a revised semester calendar or other circumstances beyond the instructor’s control. Relevant changes to this course will be posted on the course Blackboard site or can be obtained by contacting the instructors or TAs via email or the General Chemistry office via phone at 765-494-5250. You are expected to read your @purdue.edu email on a frequent basis.

- “Shelter in Place” means seeking immediate shelter inside a building or University residence. This course of action may need to be taken during a tornado, earthquake, release of hazardous materials in the outside air, active shooter, building intruder, or a civil disturbance. If you hear the All Hazards Outdoors Emergency Warning Sirens or are notified via text or other means, immediately go inside a building to a safe location and use all communication means available to find out more details about the emergency. Remain in place until police, fire, or other emergency response personnel provide additional guidance or tell you it is safe to leave. There is no “all safe siren;” the notification will come via text, internet, or email announcement.

- In the case of a major campus emergency involving a shelter-in-place, all laboratory sessions will be halted. Students’ lab grades will not be penalized in this situation.
Announcements and Syllabus/Course Changes

Some sections of this course will be undergoing normal curriculum development. Thus this syllabus including the course content, course tasks, modes of assessment and schedule may be subject to modifications, in which case students will be notified in a timely manner of such changes during class meetings, via your Purdue Email, and posted on Blackboard Learn. It will be your responsibility to find out about such announcements of changes should you miss classes or not have an active Purdue Email or Internet connection.

Contacting you: Assignments will be delivered via Blackboard. You are required to have an active, working Purdue email account. You are responsible for making sure your inbox is not filled up and can accept mail and attachments from us. You must keep your university records up to date, with messages forwarded to your current email address if you do not use your @purdue.edu account.

For details about other Purdue University policies, including academic integrity, class attendance and absence reporting, emergency, nondiscrimination, and disability services, see the Purdue custom edition of your textbook or the course Blackboard site.

***For more information on the topics in this course summary, please see the course Blackboard page or the insert in your Purdue custom edition textbook.*
<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Lecture Topic (T &amp; Th)</th>
<th>Reading</th>
<th>Laboratory (T &amp; W)</th>
<th>Exams (location)</th>
<th>Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>13-Jan</td>
<td>Orientation; The Gaseous State</td>
<td>Ch 9</td>
<td>Check-In</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>15-Jan</td>
<td>The Gaseous State</td>
<td>Ch 9</td>
<td>Complete Safety Certification on Blackboard by the end of week #1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>20-Jan</td>
<td>Gaseous, Liquid and Solid States</td>
<td>Ch 10</td>
<td>L1: Quantifying the Amount of Gas Produced in a Chemical Reaction</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>22-Jan</td>
<td>The Liquid and Solid States</td>
<td>Ch 10</td>
<td>(lab manual, splash goggles, and proper clothes for lab work are required)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>27-Jan</td>
<td>The Liquid and Solid States</td>
<td>Ch 10</td>
<td>L2: Crystalline Solids</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>29-Jan</td>
<td>Solutions</td>
<td>Ch 11</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>03-Feb</td>
<td>Solutions</td>
<td>Ch 11</td>
<td>L3: Freezing Points and Molar Mass Determination</td>
<td>Exam I</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>05-Feb</td>
<td>Reaction Rates and Chemical Equilibrium</td>
<td>Ch 12</td>
<td>Personal lock needed for lab drawer</td>
<td>Feb 5, 2015</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>8:00 pm ELLT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>10-Feb</td>
<td>Reaction Rates and Chemical Equilibrium</td>
<td>Ch 12</td>
<td>NO LAB (time compensation for evening exams)</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>12-Feb</td>
<td>Reaction Rates and Chemical Equilibrium</td>
<td>Ch 12</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>17-Feb</td>
<td>Reaction Rates and Chemical Equilibrium</td>
<td>Ch 12</td>
<td>L4: The Rate of Gas Produced in a Chemical Reaction</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>19-Feb</td>
<td>Reaction Rates and Chemical Equilibrium</td>
<td>Ch 12</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>24-Feb</td>
<td>Acids and Bases</td>
<td>Ch 13</td>
<td>L5: Chemical Equilibrium and Stress</td>
<td></td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>26-Feb</td>
<td>Acids and Bases</td>
<td>Ch 13</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>03-Mar</td>
<td>Acids and Bases</td>
<td>Ch 13</td>
<td>L6: Describing Acids</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>05-Mar</td>
<td>Acids and Bases</td>
<td>Ch 13</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td><em><strong>mid-semester</strong></em></td>
<td></td>
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<td></td>
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</tr>
<tr>
<td>9</td>
<td>10-Mar</td>
<td>Oxidation-Reduction Reactions</td>
<td>Ch 14</td>
<td>L7: How Many Hydrogens in an Acid are Acidic Hydrogens</td>
<td>Exam II</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>12-Mar</td>
<td>Oxidation-Reduction Reactions</td>
<td>Ch 14</td>
<td>Mar 9, 2015 6:30 pm ELLT</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><em>Spring break (March 16-20)</em></td>
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