### TENTATIVE Lecture/exam Schedule

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<th>Week</th>
<th>Topic</th>
<th>Chapter</th>
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<td>1</td>
<td>Keys to the Study of Chemistry</td>
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<td>2</td>
<td>The Components of Matter</td>
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| 3    | The Components of Matter  
Stoichiometry of Formulas and Equations | 2/3     |
| 4    | Stoichiometry of Formulas and Equations | 3       |
| 5    | Begin Ch. 4---------**Exam 1 (Ch 1-3)** | 4       |
| 6    | Three Major Classes of Chemical Reactions | 4       |
| 7    | Gases and Kinetic-Molecular Theory | 5       |
| 8    | Gases…… Thermochemistry: Energy Flow and Chemical Change | 5/6     |
| 9    | Thermochemistry: Energy Flow and Chemical Change | 6       |
| 10   | Begin Ch 7--------**Exam 2 (Ch 4-6)** | 7       |
| 11   | Quantum Theory and Atomic Structure  
Electron Configuration and Chemical Periodicity | 7/8     |
| 12   | Models of Chemical Bonding  
The Shapes of Molecules | 9/10    |
| 13   | Begin Ch 11--------**Exam 3 (Ch 7-10)** | 11      |
| 14   | Theories of Covalent Bonding | 11      |
| 15   | Final Exam | Date: TBA |
GENERAL CHEMISTRY I (Chemistry 113): Course Information, Fall 2020.

Required Text


Attendance

You are required to attend all examinations, lecture and all recitation sessions. You must obtain a doctor’s note or provide other written documentation if you miss an examination, or recitation because of sickness or any other circumstance. This note must be given to your recitation instructor. Grades of unofficial withdraw (WU) will be giving if your total absences in lecture/recitation exceeds 4 times.

You are required to sign an attendance sheet in lecture and recitation. The majority of questions posed on exams will parallel the way the material is presented in lecture. Past performance of students who do not regularly attend lecture is very poor. A grade of WU (unofficial withdraw) will be assigned if you miss 2 exams or have more than 4 absences from lecture.

Examinations

There will be three examinations given in lecture, and a comprehensive 2 hour Departmental final examination at the end of the course.

Recitations

Homework problems and general solving techniques are gone over during recitation. Homework should be done before coming to recitation. This is your opportunity to ask questions regarding problem solving. Quizzes will be given in recitation.

How to Study

Begin by reading the preface. These pages will describe the various learning aids in the textbook and will give you useful suggestions for studying chemistry.

It is particularly important that you

- Review each chapter before it is covered in lecture.
- Take a good set of lecture notes.
- Work out each problem-solving practice exercise as it appears in the text.

You should realize that because of limited time, many topics cannot be covered completely in lecture. You are expected to use your textbook to complement your lecture notes.
The Chemistry Department requires a grade of C (not C-) or better to advance to the next course. You must get at least a C in Chem 113 to advance to Chem 114.

**What you need to memorize**

Your mastery of chemistry depends in large part on your ability to understand concepts and apply your understanding to problem solving. However, you should not neglect the memorization of basic vocabulary, formulas, etc.

In particular you should learn:

- The names and symbols for elements in the main body of the periodic table up to element 89 (actinium).
- The formulas of common ions
- Names of the representative groups in the periodic table
- The rules for naming compounds and the names and formulas of common acids and bases
- Solubility rules/ using them to predict precipitation reactions
- Knowledge of reactions that produce gases
- Basic rules of assigning oxidation numbers
- Knowledge of the electromagnetic spectrum
- Trends of the periodic table
- Molecular geometry associated with VSEPR

**Finally, take note of the following……..**

- “Incomplete” grades are NOT given in chemistry courses.
- No extra projects will be given to compensate for poor exam grades.
- There are no make-up exams
- Don’t wait for the last few days to inform your instructor of missed labs, quizzes, etc.
- The last day to hand in overdue lab reports is the last day of lab class. Late reports will be severely penalized.
- If you drop the course, you must check out of the laboratory, or you will be charged a substantial monetary fee.

**End of chapter problems**

It is recommended that you attempt as many review questions and problems as possible. First attempt the problems whose numbers are printed in bold (answers given in the Appendix.). If you fail to answer any of these questions or problems correctly, try the one that immediately follows.

**On-Line assignments**

An e-book version of the text comes with a log-in code for 2 homework web sites. A hard copy of the text can be purchased for an additional $40.00 Mandatory homework assignments will be posted at the site along with the due date. These assignments will be graded and will constitute 25% of your overall grade. Details will be discussed in lecture.
Grading Breakdown
Semester Exams:  35%
Recitation        10%
Homework          25%
Final exam        30%

You are not allowed to distribute, sell, or purchase any electronically reproduced portions of this course. You can not sell any written material (now or in the future) obtained from this course including returned/graded exams.

Any violation of the Queens College academic integrity policies will be reported to the department chair and to the committee on course and standing. This includes plagiarism and cheating on exams by web searches, use of unauthorized materials during exams, and chat room use during exams.

Recording a session

All sessions will be recorded, and shared on google classroom for your review. Please read and acknowledge the following disclaimer. You will be required to consent to this disclaimer during our first session, by typing “agree” in zoom chat.

“Students who participate in this class with their camera on or use a profile image are agreeing to have their video or image recorded solely for the purpose of creating a record for students enrolled in the class to refer to, including those enrolled students who are unable to attend live. If you are unwilling to consent to have your profile or video image recorded, be sure to keep your camera off (except during exams) and do not use a profile image. Likewise, students who un-mute during class and participate orally are agreeing to have their voices recorded. If you are not willing to consent to have your voice recorded during class, you will need to keep your mute button activated and communicate exclusively using the "chat" feature, which allows students to type questions and comments live.”

REASONABLE ACCOMMODATIONS FOR STUDENTS WITH DISABILITIES

Candidates with disabilities needing academic accommodation should: 1) register with and provide documentation to the Special Services Office, Frese Hall, Room 111; 2) bring a letter indicating the need for accommodation and what type. This should be done during the first week of class. For more information about services available to Queens College candidates, visit the website, or contact: Special Service Office; Director, Miriam Detres-Hickey, Frese Hall, Room 111; 718-997-5870 (Monday – Thursday 8:00 a.m. to 5:00 p.m. & Friday 8:00 a.m. to 4 pm.).
CUNY POLICY ON ACADEMIC INTEGRITY

Academic Dishonesty is prohibited in The City University of New York and is punishable by penalties, including failing grades, suspension, and expulsion as provided at https://www.cuny.edu/about/administration/offices/legal-affairs/policies-procedures/academic-integrity-policy/. Please read this document, paying careful attention to the sections on plagiarism and Internet plagiarism. If you are not sure how to cite work you have found on the internet, please review the APA Guidelines provided by the Purdue OWL.