Tentative Schedule for Chemistry 101.3, Section 01, Fall 2020

TEXT: General, Organic, and Biological Chemistry, 4th Edition, McGraw Hill Education: Janice Gorzynski Smith, Queens College Custom Print

Class Hours: Lecture: Tuesday, Thursday 10:45-12:00
Instructor: Prof. Olga Binyaminov
Email: Olga.Binyaminov@qc.cuny.edu

GENERAL

Chemistry 101.3 is a one semester, basic chemistry course roughly equivalent in caliber to the Regents Chemistry course taught in high schools within New York State. The course serves as a foundation for students who will go on to take Organic (Chem. 102) and Biochemistry (Chem. 103). A grade of C or higher is required to register for these courses. The course meets twice a week for a total of 3 credit hours and includes both the recitation and lecture. The laboratory course, Chem. 101.1 is a separate co-requisite for Chem. 101.3 and is administered and graded separately.

In chemistry 101.3, the student will develop an understanding of basic atomic structure, including the rationale for the formation of ions and molecules. Students will learn basic skills involved in making measurements, understand the scientific method, stoichiometry, solution chemistry, equilibrium, and acid-base chemistry. Students will master gas laws and develop and understanding of the energetics of chemical reactions.

Grading

Your final score is based on the following calculation:

2 Lecture Exams: 40%; No exams are dropped.
Aleks Homework Assignments: 20%;
Final exam: 25%,
Quizzes: 15%,

Please note: A final grade of “C” or better is required to continue on to Chem. 102.
Homework assignments must be completed by the due date online using the ALEKS Online Homework Program, Course Code: QVEEP-FGXRN

There will be 3 quizzes throughout the semester. There will be no make-ups for missed quizzes.

No makeup is given for missed lecture exams. If you miss one exam, your final exam score will be duplicated to replace the missed exam score.

Extra Credit: An extra credit assignment will be posted at the end of several chapters (total of 5 assignments) for a bonus of 2% each, and a total of 10% extra credit to be added onto your average. Due dates will be strictly followed.

All exams and quizzes must be taken live (on zoom) with the following setup to be done prior to exam. Failure to do so will result in a zero on your exam.

Students are expected to attend all lectures. Prior to each lecture, the students are expected to read the material in the textbook and be familiar with the concepts in the readings. The purpose of the lecture is to summarize the material, highlight important concepts, and provide illustrative examples of these concepts including solving typical problems. The attached lecture schedule is tentative and any variations which may arise will be addressed in class during lecture and via Blackboard postings.
Problem solving is a critical aspect of this course. By working to solve problems, students will come to better understand and master the various concepts. Homework assignments on the ALEKS online homework system are designed to provide instructional support of the course material but are also a significant (20%) component of the final grade. I encourage students to work in groups to solve problems; however, you must do the final entry to the homework system yourself.

**Required tools and accounts:**

- **Zoom account:**
  
  Go to zoom.us, and register for a free account.

  When joining a meeting, click on join a meeting tab, and enter the meeting ID above.

  Alternatively, you may use the following link:

  [https://zoom.us/j/92866098448?pwd=VnRQNWWmRDV6M3VseDEwRW54QUt0UT09](https://zoom.us/j/92866098448?pwd=VnRQNWWmRDV6M3VseDEwRW54QUt0UT09)

  Meeting ID: 928 6609 8448

  Passcode: 138901

- **An active Queens College email account**

- **McGraw Hills Aleks Account:**

  You will need a Aleks account for some of the pre and post assignments, as well as for midterm and final exam.

  Register to Aleks.com. and enter the following code **QVEEP-FGXRN** for your class. See guide for Aleks registration in google classroom.
Google Classroom Registration:

Go to gdrive.qc.cuny.edu

Login with your CAMS account (looks like jsmith100,) if you have forgotten your username or password- go here: cams.qc.cuny.edu).

(Accept terms and conditions if it's your first time logging in).

Go to Classroom.google.com, (Identify as a student).

Click the + button on the top right.

Add the course code. The code for this class is “u75lyvq”

Troubleshooting-

After logging in, it won't let you add the class.
A: Sometimes it switches you back to your personal Google account if you have more than one logged in at a time. Open the account switcher by clicking on your initial or profile picture in the top right and enter your QC account.

If you do not know CAMS account/password, go to cams.qc.cuny.edu and click forgot Username or Password.

ONLINE ENVIRONMENT

Students should be seated at a table or desk in a quiet room. The video for the Zoom meeting should be on although it may be muted for short periods when appropriate. The mic to the Zoom meeting should be muted unless asking or answering a question in class. Students should not attend the Zoom lecture meeting while in bed, driving in a car, from a bus, or anywhere else that would not constitute a collegiate environment.
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.”

QUIZ AND EXAM SETUP

Note: During quizzes and exams, students will be required have two online devices, one of which has a functional camera. The device with a camera can be a smartphone. The camera device should join the Zoom meeting with video on, mic off, and be set up to the side of the student with the camera aimed towards the keyboard, hands, materials, and screen of the device the student is taking the exam on (please see image below). This requirement is essential to insure the identity and integrity of all students taking the online assessments. Communication with the instructor during quizzes and exams can be conducted via private online chat through the meeting platform (i.e. Zoom). Students may not search the internet or communicate with anyone else during assessments, personally or electronically, as this would constitute a violation of academic integrity.

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.

Tentative Schedule Spring 2020

<table>
<thead>
<tr>
<th>Date</th>
<th>Chapter</th>
<th>Topic</th>
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<tbody>
<tr>
<td>Aug 27</td>
<td></td>
<td><strong>Introduction and syllabus review</strong></td>
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<tr>
<td>Sept 1</td>
<td>1</td>
<td>Matter and Measurements (1.1-1.4)</td>
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<tr>
<td>Sept 3</td>
<td>1</td>
<td>Matter and Measurements (1.5-1.10)</td>
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<tr>
<td>Sept 8</td>
<td>2</td>
<td>Atoms and the Periodic Table (2.1-2.3)</td>
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<td>Sept 10</td>
<td>2</td>
<td>Atoms and the Periodic Table (2.4-2.6)</td>
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<td>Sept 15</td>
<td>2</td>
<td>Atoms and the Periodic Table (2.7-2.8)</td>
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<tr>
<td>Sept 17</td>
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<td><strong>Quiz 1 (Chapters 1 and 2) 30 min</strong></td>
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<td>Sept 17</td>
<td>3</td>
<td>Ionic Compounds (3.1-3.2)</td>
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<tr>
<td>Sept 22</td>
<td>3</td>
<td>Ionic Compounds (3.3-3.6)</td>
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<td>Sept 24</td>
<td>4</td>
<td>Molecular compounds (4.1-4.4)</td>
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<tr>
<td>Oct 1</td>
<td>4</td>
<td>Molecular compounds (4.5-4.6)</td>
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<td>Oct 6</td>
<td>4</td>
<td>Molecular compounds (4.7-4.8)</td>
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<td>Oct 8</td>
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<td><strong>Exam 1 (Chapters 1-4) 1 hour</strong></td>
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<td>Date</td>
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<td>Oct 13</td>
<td>5</td>
<td>Chemical Reactions</td>
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<td>Oct 15</td>
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<td>Oct 20</td>
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<td>Oct 22</td>
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<td>Chemical Reactions</td>
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<td>Oct 27</td>
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<td>Quiz 2 (Chapter 5) 30 min.</td>
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<td>Oct 27</td>
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<td>Energy Changes, Reaction Rates, and Equilibrium</td>
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<td>Oct 29</td>
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<td>Energy Changes, Reaction Rates, and Equilibrium</td>
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<td>Nov 3</td>
<td>7</td>
<td>Gases, Liquids, and Solids</td>
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<td>Nov 5</td>
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<td>Gases, Liquids, and Solids</td>
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<td>Nov 10</td>
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<td>Gases, Liquids, and Solids</td>
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<td>Nov 12</td>
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<td>Gases, Liquids, and Solids</td>
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<td>Nov 17</td>
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<td>Exam 2 (Chapters 5-7) 1 hour</td>
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<td>Nov 19</td>
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<td>Solutions</td>
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<td>Nov 24</td>
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<td>Solutions</td>
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<tr>
<td>Dec 1</td>
<td>9</td>
<td>Acids and Bases</td>
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<td>Dec 3</td>
<td></td>
<td>Acids and Bases</td>
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<td>Dec 8</td>
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<td>Quiz 3 (Chapters 8-9) 30 min</td>
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<td>TBA</td>
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<td>Review</td>
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<td>Final Exam (Chapters 1-9) 2 hours.</td>
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**Tentative Quizzes schedule:**

Quiz 1: Thursday, September 17, 2020  
Quiz 2: Tuesday, October 27, 2020  
Quiz 3: Tuesday, December 8, 2020

**Tentative Exam schedule:**

Exam 1: Thursday, October 8, 2020 (Chapters 1-4)  
Exam 2: Tuesday, November 18, 2020 (Chapters 5-7)  
Final Exam: TBA (Cumulative, Chapters 1-10)

**Tentative Extra Credit (EC) Due Dates schedule:**

EC 1: Tuesday, September 8, 2020 (Chapters 1 - Measurements)  
EC 2: Thursday, September 24, 2020 (Chapter 3 – Ionic Compounds)  
EC 3: Tuesday, October 27, 2020 (Chapter 5 – Chemical Reactions)  
EC 4: Tuesday, November 1, 2020 (Chapter 6 – Rate and Equilibrium)  
EC 5: Thursday, December 1, 2020 (Chapter 8 – Solutions)

**CLASS POLICIES**

Attendance: You are required to attend all exams, lectures, and quizzes which will all start promptly. NO MAKE-UP QUIZZES OR EXAMINATIONS will be provided. It is your responsibility to contact the lecturer (Prof. Binyaminov) BEFORE the meeting if you cannot be present for an exam or quiz. If using email, notification a MINIMUM of 3 hours prior to the meeting is required. WRITTEN (NOT E-MAIL!) documentation (i.e. Doctor’s note) is then required at the next class meeting to avoid a grade of ZERO (0).

Note also that all on-line homework assignments will have a deadline date.
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Academic Dishonesty: Academic dishonesty is one of the most serious offenses within the academic community. Acts of academic dishonesty include, but are not limited to, plagiarism and/or cheating on exams and papers, sabotage of research materials, the purchase or sale of academic papers, and falsification of records. Any student who engages in an activity that is academically dishonest is subject to disciplinary charges, as is any student who knowingly aids another who engages in them. The City University Policy on Academic Dishonesty was adopted by CUNY’s Board of Trustees in June 2004; it includes definitions and examples of academic dishonesty, methods for promoting academic integrity, and procedures for the imposition of sanctions for various violations of this policy, including failing grades, suspension, and expulsion. If you read the syllabus this far, email me the word ”Agree” to receive five extra points on your first quiz, by Monday, August 31, 2020.

FAQ

1. How do I prepare for each Chem. 1013 lecture class?

- Print out the Power Point slides (posted on google classroom) prior to each class.
- Have the text book and a scientific calculator in front of you for each class.
- Read the text book chapter to be covered during lecture prior to class.
- Complete the ALEKS Online homework objectives by the due date. For additional practice problems, try the recommended text book problems for each chapter. Use the Study Guide (posted on CUNY Blackboard) to check your responses to each problem. Note the problems that you had trouble with and/or would like to focus on during recitation.

2. How do I study for Chem. 1013?

- Learn how to use a scientific calculator. Practice basic mathematical skills involving decimals, fractions, exponents, and percentages.
- Read the textbook before (or at least after) attending the lecture.
- Make short summary notes or an outline for each chapter. Allocate time to reread old chapter summaries even as we progress to newer chapters. Constant repetition is necessary to remember Chemistry!
- Practice assigned problems first and practice more from the book if possible. Look into the solution manual or get help only if you cannot solve on your own after several attempts.

3. How can I contact you if I can't come during office hours?

You can send me email. I will try to answer your question ASAP, or suggest some alternate time to meet you. If you did not get email response within one business day, ask me in person before or after the scheduled class.
4. *I am failing in this course in spite of studying. Can you help me?*

   If you wish to discuss your performance in this course, you must bring with you all your handwritten notes, solutions to assigned problems, and other evidence to show that you studied hard for the course. After analyzing your methods of studying, I can suggest improvements.

   I cannot help those who do not have the time to complete these minimum required tasks in this course.

5. *Do you curve exam scores?*

   NO

6. *Is the class average maintained "C+"?*

   No, I do not scale up or down to maintain a "C+" average. Generally, the 'A' range is 90+, the 'B' range is 80+, the 'C' range is 70+, & 'D' is 60+. In other words, a score of 90 and above guarantees at least an 'A-' and so on. Therefore, you need to concentrate only on your raw overall score to improve your grade.

7. *Can I do a term paper or other additional work to improve my grade?*

   NO.

8. *I am absent for a long time due to some medical/family/emergency/other reason. Can I still pass the class?*

   If you miss more than one exam, it will be very difficult. Talk to the Registrar's office ASAP and take proper administrative action to protect your interests.