

Brooklyn College Department of Chemistry
GENERAL CHEMISTRY IA, CHEM 1050 –SPRING 2017

Required Text: *Chemistry, The Central Science*, Brown, LeMay, Bursten, and Murphy, Pearson Pub., 2014, 13th Edition.

Required Items: Scientific calculator: Texas Instrument TI-30X recommended.

Graphing calculators and internet devices are not allowed on exams!

Online Supplements and Info:

www.brooklyn.cuny.edu/web/aca_naturalsciences_chemistry/Courses_Chem1100-Spr15-Syllabus.pdf
(online **syllabus**)

<http://academic.brooklyn.cuny.edu/chem/howell/practice.htm> (old BC chemistry **exams**)

<http://www.brooklyn.cuny.edu/web/academics/schools/naturalsciences/undergraduate/chemistry.php>
(Chemistry Department Homepage)

<http://www.brooklyn.cuny.edu/web/academics/honors/prehealth.php> (Pre-Health Professions website)

http://www.brooklyn.cuny.edu/web/aca_honors/131125_PrehealthProfessionsHandbook.pdf
<http://userhome.brooklyn.cuny.edu/mkobrak/labvideos.html> (Lab instruction videos)

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Academic dishonesty is prohibited in the City University of New York.

Cheating, plagiarism, internet plagiarism and obtaining unfair advantages are violations of policies of academic integrity and are punishable by penalties, failing grades, suspension and expulsion.

For more information about CUNY policy on academic integrity see

<http://www.brooklyn.cuny.edu/bc/policies/pdt7CUNY%20PolicyAcademicIntegrity.pdf>

Student Disability Services

In order to receive disability-related academic accommodations students must first be registered with the Center for Student Disability Services. Students who have a documented disability or suspect they may have a disability are invited to set up an appointment with the Director of the Center for Student Disability Services, Ms. Valerie Stewart-Lovell at 718-951-5538. If you have already registered with the Center for Student Disability Services please provide your professor with the course accommodation form and discuss your specific accommodation with him/her.

LECTURE TESTS :

Note that these are during common hours.

FIRST TEST: **Tuesday, March 21, 12:30 – 2:00 PM,**

SECOND TEST: **Tuesday, April 25, 12:30 – 2:00 PM,**

NO Makeup exams are given for Lecture Tests. We mean it.

FINAL EXAM: **FRIDAY, May 26, 8:00 AM – 10:00 AM**

GRADING:

Your final grade will be determined as follows:

- 40% Two lecture tests
- 30% Quizzes: Dates to be determined by the lecturer
- 30% Final Exam

Drop/Add Dates:

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| January 29 | Last day to drop a course with 0% liability (100% refund) |
| February 5 | Last day to add a course;
Last day to drop a course with 25% liability. |
| February 12 | Last day to drop a course with 50% liability. |
| February 19 | Last day to drop a course without a grade of "W"
Last day to drop a course with 75% liability. |
| February 20
students | Course withdrawal period begins. A grade of "W" is assigned to
who officially withdraw from a course. |
| April 19 | Course withdrawal period ends.
Last day to withdraw from a class with a grade of "W". |

Chem 1050 Assigned Reading

Below is the assigned reading and a corresponding set of homework problems. Your lecturer will give you guidance about where you are in the text and what to do to stay current with the reading. **Read the material at least once before the lecture**, and spend some time on the in-chapter problems to reinforce it. Unless noted otherwise, problems listed as Homework correspond to the end-of-chapter problems for the corresponding chapter. Answers to red problems are at the end of the Chapter. **If you are instructed to memorize something, the test will be written assuming you have done so.**

Homework is assigned but not graded. Quiz and examination questions will mostly be similar to those given in the text. You should do as many of these as possible.

Assigned Reading	Topics	Homework
Appendix A.1 Chapter 1	Math Review, Dimensional Analysis, Basic Concepts	Memorize Table 1.2 Chapter 1: 1, 7, 13,15, 16, 17, 19, 21, 24, 27c, 28d, 29, 30a, 35, 37, 39, 41, 45, 47, 51a,b,d,f, 77
Chapter 2	Elements, Compounds, Ions, Periodic Table	Memorize Tables 2.4 and 2.5 Chapter 2: 11, 13, 18, 27, 29, 33, 39, 41, 45, 49, 51, 55, 57, 58, 61, 65, 67 71, 73, 75, 77, 81, 83, 109
Chapter 3	Chemical Equations, Moles, Empirical Formulas, Stoichiometry, Limiting Reagents	Chapter 3: 1, 7, 9, 11, 15, 19, 21, 23, 25a,b, 27, 30, 35, 37, 41, 45, 47, 51, 53, 55, 59, 61, 62, 80, 83, 86, 107
Chapter 4	Chemical Reactions, Molarity, Solution Stoichiometry	Chapter 4: 14, 17, 21, 23,26, 33, 34, 37, 39, 45, 47, 49, 51, 53, 55, 59, 60, 61, 62, 71, 72, 75, 76, 81, 83, 85
Chapter 5	Thermochemistry	Chapter 5: 13, 14, 15, 21, 23, 24, 25, 39, 43, 46, 47, 51, 53, 55, 57, 62, 65, 67, 69, 73, 76, 83a