Queens College, CUNY Department of Chemistry and Biochemistry
Professor Edward G. Look edward.look@qc.cuny.edu **Spring 2020**

CHEM 113.4: General Chemistry I

Section	*Recitation*		*Instructor*	*Lecture*	
5	Mondays, 2:40 - 3:30 PM	105 RE	Mr. J. Yuan	Tuesdays, Thursdays, 12:15–1:30 PM	101 RE
6	Tuesdays, 1:40 - 2:30 PM	206 RA	Mr. M. Pogosyan	"	
7	Wednesdays, 2:40 - 3:30 PM	105 RE	Mr. J. Yuan	"	
8	Thursdays, 1:40 - 2:30 PM	206 RA	Mr. M. Hans	"	

SYLLABUS

I. Required Text: *Chemistry- The Molecular Nature of Matter and Change 8th ed.*- Silberberg, M. S.; Amateis, P. G. McGraw-Hill Education, New York **2018**, ***the two-semester version!***

II. Suggested References: Rosenberg, J.; Epstein, L. M.; Krieger, P. *Schaum's Outline of College Chemistry 10th ed.* McGraw-Hill New York **2013**

Calculations in Chemistry An Introduction 2nd ed.- Nelson, E. A.; Dahm, D. J.; W. W. Norton & Company New York **2017**

III. Attendance: Attendance is required, **in *both* lecture *and* recitation**. Excessive absences or tardiness will adversely affect your grade.

IV. Homework: Problems and questions for each chapter on **ALEKS** must be completed by **one week** after the chapter is finished in class, EXCEPT FOR THE **LAST ONE**, WHICH IS **DUE ON 5/14/20**. You *should* read the relevant assigned chapter(s) ***before*** that topic is started in class. ALEKS class code: **GTDCN-CRQHJ**

V. Examinations: There will be three one hour in-class tests and one comprehensive two-hour final examination. All are required. **There will be no make-ups** for missed exams unless missed due to religious holidays**.** Be sure also to be *on time*.

VI. Other Required Materials: scientific calculator; you will not be furnished one. Be sure to have it for class, ***especially*** on exam days. **Graphing calculators *are not allowed!***

VII. Code of Conduct

A. Plagiarism- Plagiarism or any other form of cheating is not tolerated. The student perpetrating such an act will receive a zero (0) for the assignment in question and a warning and/or referral to the Chairman and/or the Dean, along with other possible penalties, including automatic failure of the course (F).

B. Classroom Conduct- Inappropriate behavior, *e.g.*, horseplay or off-color language, will not be tolerated and will lead to expulsion from class and a zero (0) if during an examination or assignment. Cell phone, tablet and computer usage is not permitted at any time during class; you must have a calculator for class and examinations.

VIII. Grading: ALEKS is 20% or your grade, recitation will be 20%. The three in-class exams together comprise 30% and the final exam is 30%; missing the final will result in a failing course grade (F). There is **no make-up for the final exam**.

IX. Communication: I can be reached preferably via the discussion group for our course on BlackBoard, and secondarily via e-mail, but only for messages that must be private. Sections 12 and 13 are merged on BlackBoard and are listed as, "sections 12 & 13". This syllabus and any ancillary materials will be posted on Blackboard.

X. Course Schedule:

Week	Date	Chapter- Topic	ALEKS Chapter Due
1	1/28	**1- Introduction to Chemistry**	
2	2/4	**2- The Nature of Matter**	**1**
3	2/11	**3- Stoichiometry**	**2**
4	**2/25**	Stoichiometry, **4- Chemical Reactions** **EXAM 1** (on all assigned material through to Week 4)	
5	3/3	**5- Gases**	**3**
6	3/10	Gases, **6- Thermochemistry**	**4**
7	3/17	Thermochemistry, **7- Atomic Theory**	**5**
8	**3/24**	Atomic Theory **EXAM 2** (on all assigned material from Weeks 4-8)	**6**
9	3/31	**8- Periodicity**	
10	4/8	Periodicity, **9- Bonding Theories**	**7**
11	**4/21**	Bonding **EXAM 3** (on all assigned material from Weeks 8-11)	
12	4/28	Bonding, **10- Molecular Shape**	**8**
13	5/5	Molecular Shape, **11- Covalent Bonding**	**9**
14	5/12	Covalent Bonding	**10**
15	**5/15-22**	**FINAL EXAMINATIONS WEEK** (NB.!! ⟶)	**11**

Last ALEKS assignment is due **on 5/14!**