

General CHEMISTRY 102 Fall 2020

Professor Lou Massa

Synchronous Class Meetings: Sat 10:10am -1:00 pm

Recitation : Teaching Assistant Nayab Shahid, Sat 9:10 am- 10:00am & 1:10 pm –2:00 pm

Tutor for the class: Bandy Chen

Textbook : **Chemistry**, by Zumdahl 10e,

Student Solutions Manual: to text

Homework: assigned from the text.

Syllabus General Chemistry 102 Fall 2020

Contents of this syllabus are subject to change as events may require.

1	Aug 29	Ch 1/2 – Foundations, atoms, molecules, ions	
2	Sept 5	Ch 3/4 - Stoichiometry, types of reactions	
3	12	Ch 1-4 –workshop, Exam # 1	
4	19	No class	
5	26	Ch 7 – Atomic Structure & periodicity	
6	Oct 3	Ch 8 – Bonding: General concepts	
7	10	Ch 8 – Bonding: General concepts	
8	17	Ch 7-8 – workshop, exam # 2	
9	24	Ch 9 – Covalent bonding: Orbitals	
10	31	Ch 9 – Covalent bonding: Orbitals	
11	Nov 7	Ch 9 - workshop, Exam # 3	
12	14	Ch 5 – Gases	
13	21	Ch 6– Thermochemistry	
14	28	No class	
15	Dec 5	Ch 6– Thermochemistry	
16	12	Ch 5-6 – workshop, Exam # 4	
17	19	Final Exam	

Course Notes:

- Recitation: Focused on homework problems, lecture topics, your questions.
- **Homework problems.** Homework is not graded, but these problems help prepare you for the exams.
- **In-class Workshops:** Discussions related to class lecture topics. FOUR workshops will be done in class.
- **Exams in class (50%):** There will be **four** in-class, exams. The exams will be related to homework, workshop, and class lecture topics. There will be 4 exams, all together counting for 50% of your course grade.
- **Final exam (50%)** . Final exam will cover the whole syllabus of the course, counting for 50% of your course grade.

Goals of the full-year General Chemistry course: **After taking both Chem 102 and 104 you will begin to appreciate the five key questions of chemistry:**

- 1) What happens?
- 2) How much?
- 3) How far?
- 4) How fast?
- 5) Why?

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