

## SYLLABUS

### The University of Rhode Island - Spring 2020 CHM 101 - General Chemistry I Lecture

**Sections:** 0001 MWF 11 - 11:50 am  
0002 MWF 2 - 2:50 pm

**Instructor:** Dr. Peter Olaf Sandusky  
**Office:** Beapre 117E  
**e-mail:** peter\_sandusky@uri.edu  
**Office Hours:** MWF 12:30 - 2 pm

**Course Description:** CHM 101 is a general chemistry course designed to introduce concepts and principles that are fundamental to the understanding and analysis of chemically derived phenomena. An emphasis will be placed on mathematical skills and quantitative problem solving.

**Text:** *General Chemistry: The Essential Concepts, 7th EDITION* by Raymond Chang and Kenneth Goldsby (McGraw Hill 2014).

#### Tentative Lecture and Exam Schedule

<u>Chapter</u>	<u>Topics</u>	<u>Date</u>
1	Introduction: Matter and Measurement	
2	Atoms, Molecules and Ions	
	<b>EXAM 1</b>	<b>F 2/7</b>
3	Stoichiometry: Chemical Calculations	
4	Chemical Reactions in Aqueous Solution	
5	Gases	
	<b>EXAM 2</b>	<b>F 2/28</b>
6	Thermochemistry	
7	Atomic Structure, Electron Configurations	
8	Atomic Properties, and the Periodic Table	
	<b>EXAM 3</b>	<b>F 3/27</b>
9	Chemical Bonds	
10	Bonding Theory and Molecular Structure	
	<b>EXAM 4</b>	<b>W 4/15</b>
12	States of Matter and Intermolecular Forces	
13	Physical Properties of Solutions	

<b>FINAL EXAM Section 0001</b> (11 am Section)	<b>F 5/1</b>	<b>11:30 am - 1 pm</b>
<b>FINAL EXAM Section 0002</b> (2 pm Section)	<b>F 5/1</b>	<b>3 pm - 4:30 pm</b>

### Grading:

1. 4 Exams (16% each exam)	64 %
2. Final Exam	16 %
3. McGraw Hill Connect - enrollment by January 31 <sup>st</sup>	2 %
4. Weekly On-Line Homework (McGraw Hill Connect)	18 %

**Exams:** Except for the first exam, all exams should be considered as being *cumulative*, with only roughly 50% of the problems on the exam being based on new topics discussed since the previous exam. Make-up exams may be given on an individual basis at the discretion of the instructor. Make-up exams will be given MWF noon to 2 pm the week following the scheduled exam date. Any exam missed for any reason should be made-up by the end of the following week. Any student in either section, 0001 or 0002, may take either of the two scheduled final exams. Both final exams will be given in 100 Beupre.

**Sakai Site:** Lecture power point slides, practice exams, and grades will be available electronically on the Sakai web site. Course announcements made via the Sakai site will be the principle means the instructor will use to communicate with the class. These Sakai announcements will be sent to the students by e-mail, and should be read as they arrive.

**Calculator:** CHM 101 is a math intensive course, and a scientific calculator will be an essential tool for lecture, exams, and out of class assignments.

### Additional Help Resources

**Tutors:** Available at the Academic Enhancement Center (AEC) in Roosevelt Hall. For a complete schedule, including when tutors are available specifically for CHM 101, go to [www.uri.edu/aec](http://www.uri.edu/aec), call (401) 874-2367, or stop by the fourth floor in Roosevelt Hall.

**Teaching Assistants:** keep regular office hours in the help office, Beupre 115.

**Disability Accommodations:** *Any student with a documented disability is welcome to contact me as early in the semester as possible so that we may arrange reasonable accommodations. As part of this process, please make sure to contact the Disability Services for Students Office at 302 Memorial Union, Phone 401-874-2098.*