CHM 112 - GENERAL CHEMISTRY II
SYLLABUS – SPRING 2020 (Revised)

Instructor: Dr. Silvana C. Ngo
Office: Beaupre 117B
Email: silvana_ngo@uri.edu
Office hours: MW 9:00 – 10:00 AM via WebEx (click on the link on our Sakai main page)

Class Meetings:
CHM 112-1: distance learning

This is a revised syllabus due to our course going to the distance learning format. Be sure to read through it carefully so that you are aware of the policies for the course.

GENERAL INFORMATION FOR STUDENTS

This sheet contains information about the organization of CHM 112 for this semester. It should be carefully read and retained, together with the course schedule, for future reference by each student taking the course.

Learning Objectives.

CHM 112 is the second course in a two-course sequence of General Chemistry. This course will cover elementary principles of chemical equilibrium, thermodynamics, kinetics, equilibrium systems (acid/base, solubility), oxidation reduction and electrochemistry. Students should acquire general knowledge of the scientific facts and laws which have been developed from chemists' observations of the natural world and understand the theories and models that chemists employ to explain these natural phenomena. Students should also gain an appreciation of the quantitative nature of chemistry and develop the ability to apply the principles they have learned to mathematical solution of chemical problems.
Prerequisite: CHM 101 with a grade of C- or better

Books/Resources.

Required: General Chemistry: The Essential Concepts 7th ed. by Raymond Chang; Chapters 14-19
Online access to Connect (Chang, 7th ed.)
Strongly recommended: Student solutions manual (to accompany General Chemistry by Chang 7th ed.)

A copy of the textbook and the solutions manual are available through the library Reserves for 2-hour use. You will need your ID to have them released to you. Ask for these items at the front desk.

Course Site.

Information for the course is posted in Sakai (https://sakai.uri.edu/portal). Be sure to check Sakai regularly throughout the course.

Grading Policies.

A student's course grade will be calculated as follows:

Exams (Average of best 3 of 4 exams)	60 %
Final Exam	16 %
Assignments:	
HW (Connect)	12 %
LS (Connect) + Group Work	12 %
Total	100 %

Course grades will be assigned according to the scale shown:
>90 = A-/A 76 - 89 = B-/B/B+ 60 - 75 = C-/C/C+ 52 - 59 = D/D+ <52 = F

A student's grade is earned by demonstrating mastery/proficiency of the course material as evinced by the quality of the student's performance in exams and assignments. It is *not* open to negotiation nor dictated by what's needed to progress in the student's chosen program of study. **Note**: You need a C- to move on to any other chemistry course in our department!

Exam Format and Rules.

Exams will be a mix of multiple choice and short answer questions. Each exam may require you to use information and concepts learned in previous chapters, so all exams are cumulative

As we already had the first 2 exams, the remaining 2 will be administered online. These will be timed exams with limited time availability on the dates indicated (see Lecture/Exam Schedule below). To make the topics more manageable, each of the subsequent exams will be divided into 2 parts with the sum of each 2 parts counting as one exam.

Average of the best 3 of the 4 exams will count for 60% of your course grade. The final will also be administered online and will count as 16% of your course grade.

Assignments.

Assignments will be administered through Connect. Information for the assignments and for registering for Connect is given in Sakai.

Disability Accommodations.

Accommodations for students with disabilities are still in place. Appointments with your case manager can be set up in Starfish for virtual meetings in Google Meet. More information is available at (http://www.uri.edu/disability/dss/).

Help Sources.

- AEC (Academic Enhancement Center). Weekly tutoring groups will be done in WebEx. Additional information is available at (https://web.uri.edu/aec/).
- Beaupre 115 Chemistry Learning Center. Your lab TAs will hold office hours in Google Hangouts as previously scheduled. You can refer to the TA schedule linked on the main page of our Sakai course site.

Academic Integrity.

The university policy on academic honesty will be strictly enforced. Any incidence of academic dishonesty, as defined by the policies outlined in the URI's Student Handbook, will result in either one or all of the following: a grade of zero for the exam, failure for the course, formal notification to the Dean. While students are encouraged to study together, exams must represent the work of the individual student.

- Unauthorized possession or access to exams
- Unauthorized communication during exams
- Unauthorized use of another's work or preparing work for another student
- Taking an exam for another student
- Altering or attempting to alter grades
- The use of notes or electronic devices to gain an unauthorized advantage during exams
- Facilitating or aiding another's academic dishonesty

Email.

All email communications will be done through your my.uri.edu email so make sure you check it regularly. Do note that I receive a substantial number of emails daily. I am teaching two different courses this semester, so to ensure that your email will be answered, please remember to: include your *full name* and *course code*; indicate the topic concisely on the subject line; write a clear and complete message.

CHM 112 Lecture/Exam/Assignment Schedule

The breakdown for each chapter will depend on the pace of the class. You are responsible for all of the material in each chapter unless announced differently and for material presented during lectures, including those not in the text. Lecture videos will be posted online. Links to these will be posted in the Lessons tab in Sakai.

Week #	Monday	Wednesday	Friday
1		1/22 Syllabus; CHM 101 skill check	1/24 Ch 14
2	1/27 Ch 14	1/29 Ch 14	1/31 Ch 14
3	2/3 Ch 14	2/5 14	2/7 Ch 14, 15
4	**2/10** ***Exam 1 (Ch 14)***	2/12 Ch 15	2/14 Ch 15
5	2/17 Ch 15	2/19 Ch 15, 16	2/21 Ch 16
6	2/24 Ch 16	2/26 Ch 16	2/28 Ch 16
7	**3/2** ***Exam 2 (Ch 15, first part of 16)***	3/4 Ch 16	3/6 Ch 16
8	3/9 No Class (Spring Break)	3/11 No Class (Spring Break)	3/13 No Class (Spring Break)
9	3/16 – 3/20 Class suspended		
10 - 15	**3/30 Mon** Exam 3a (last part of Ch 16; Ch 17 up to titration of strong with strong) **4/8 Wed** Exam 3b (last part of Ch 17) **4/15 Wed** Exam 4a (Ch 18) **4/24 Fri** Exam 4b (Ch 19) **5/1 Fri** Final Exam (8:00 AM)		

CHM 112 Connect Assignment Schedule

	Monday	Tuesday	Wednesday	Thursday	Friday
January			1/29 HW-Intro		
February			2/5 LS 14		2/7 HW 14
			2/19 LS 15		2/21 HW 15
March	3/23 LS 16; HW 16				
April			4/8 LS 17; HW 17		
			4/13 LS 18; HW 18		
					4/24 LS 19; HW 19