

Principles of Chemistry (II)

CHEM1212 - Summer 2019

Instructor: Zahra Alghoul, PhD Office: Langdale Hall – 831 email: zalghoul@gsu.edu

Office hours		
Tuesday 3:00 – 3:50 pm	Thursday 3:00 – 3:50 pm	Or by appointment

Lecture meetings M, W, F 2:00-3:40 pm, Library South-102

Text book *Chemistry*, Nivaldo Tro, 4th Edition, **ISBN:** 9780134103976, Pearson Ed.

Required Material A scientific **nonprogrammable** calculator

Content CHEM 1212 is the second course in a series of general chemistry courses designed for students in the physical and natural sciences disciplines. The contents of the course will provide you with a fundamental understanding of **basic chemical concepts**, such as intermolecular forces, properties of solutions, chemical kinetics, acids and bases, chemical equilibrium, laws of thermodynamics, and electrochemistry. The lecture and laboratory parts of the course will both count towards your final course grade.

Course Objectives The objective of this course is to give you the knowledge needed to:

- Determine the effect of concentration on the colligative properties of solutions
- Learn the effect of different experimental conditions on the speed of a chemical reaction
- Learn the effect of different experimental conditions on equilibrium systems
- Apply the Laws of Thermodynamics on chemical reactions
- Learn about radioactivity and nuclear chemistry

Grading If an examination is missed, a copy of documentation that shows the reason for absence should be provided within 7 days. There will be no make-up or early exams and no due date extensions for the online quizzes. In case of an excused absence, the missed exam score will be prorated using the score of the final exam. Excused absences include documented illness, deaths in the family and other documented crises, call to active military duty or jury duty, religious holidays, athletic competitions. If you have another valid reason for missing exams/quizzes that is not listed here, please communicate it to me. **A score of zero will be given to missed exams and quizzes with no excuse for absence.**

2 exams	300
4 quizzes	100
Laboratory	200
1 cumulative final exam	200
Total	800 Points (100%)

Grading scale Based on the total number of points: A ≥ 720 pts (90%); B ≥ 640 pts (80%); C ≥ 560 pts (70%); D ≥ 480 pts (60%); F < 480 pts (60%)
The instructor MAY modify the grading percentile downwards.

Course

Lecture material and grades will be posted on the course page on *icollege*.

Resources

You will receive course announcements from me on your GSU emails. Please use your GSU emails for communicating with me about course-related matters and send the messages on zalghoul@gsu.edu. Please check the following website for academic assistance programs available through campus <https://chemistry.gsu.edu/tutoring/>.

Another useful resource is the Supplemental Instruction Workshop:
Mondays/Wednesdays: 8:30-9:30am at Langdale 317
Fridays: 4:00-5:00pm at Library South 102

Academic Honor

All students are expected to respect the academic honor policy and to contribute their own effort into their academic achievements. Graded assignments should reflect every student's effort. Violation of the academic honor policy will result in an F on the course, according to University regulations.

Lecture Policies

During lecture meetings, students are expected to comply with the classroom etiquette. Please avoid all behavior that might distract other students in the classroom.

Course Schedule

Quiz Schedule			
Quiz # 1 06/19/2019	Quiz # 2 07/03/2019	Quiz # 3 07/10/2019	Quiz # 4 07/24/2019

Exam Schedule		
Exam #1 06/26/2019	Exam # 2 07/17/2019	Final Exam 08/02/2019 (1:30-3:30pm)