

CHEM 101: General Chemistry

Professor: Jeff Watson, HU230A, x5929 (watsonj@gonzaga.edu)

Text: *Principles of Chemistry: A Molecular Approach*, 1st Ed., Nivaldo J. Tro

Lecture: MWF, 10:00-10:50, Hughes Hall 130

Office Hours: Monday, 2:10-4pm, Tuesday 9am-11am. I'm also very happy to make appointments. If my office door is open, please feel free to stop in. If my door is closed, please knock. If the office hours don't work for you, please make an appointment. E-mail is a terrific way to get in touch with me when I'm not in my office!

Goals of the Class

- To understand and appreciate the scope of the science of chemistry
- To build problem-solving and scientific thinking skills
- To provide a strong foundation for further study in chemistry and other sciences

Structure of the Class

There will be four in-class exams over the course of the semester as well as a final exam. Each in-class exam will include all material covered since the previous exam. The final exam will be comprehensive, covering the material from the entire class. All material covered in the lectures as well as any material from the pertinent sections of the textbook and any additional materials given out in class are fair game for the exams. A "study guide" that outlines important topics will be distributed prior to each exam to help you focus your study efforts.

Weekly quizzes, worth 20 points apiece, will be given on Friday at the beginning of the class period as shown on the schedule for 8 total quizzes. There will, typically, be three questions on each quiz: two from the first two lectures of the week, and one from the lecture to be given **after** the quiz. This means you must come to class that day having read ahead! A missed quiz will result in a zero score, and I do not drop the lowest quiz score.

Homework assignments, worth 20 points apiece, will be completed and graded entirely online through the Mastering Chemistry website, which you should all have purchased access to – you **MUST** be able to access the Mastering Chemistry site or you will not receive grades on your homework. The dates assignments will be available are listed on the schedule, as well as when they are due. This information is also available on each online assignment. The Course ID for registration is CHEM10103. Instructions for how to enroll in the course are available on Blackboard under Miscellaneous Course Documents. The first assignment (Homework #0) is not graded, but must be completed for practice in how to use the system.

The final exam is scheduled for Monday, December 14th from 8am to 10am. The final exam **will not** be rescheduled. Make your winter break plans accordingly.

Grading/Evaluation

Four exams	100 points each
Eight quizzes	20 points each
Eight problem sets	20 points each
Final exam	<u>200 points</u>
	920 total points

Philosophy of the Class:

While I will do all I can to communicate the course material to you in class, it is absolutely important that you keep current in the reading and the end-of-chapter problems. Reading ahead will not only allow you to be better prepared for weekly quizzes, but will also make you better prepared to come to lecture and learn, rather than frantically take notes. Do not fail to take advantage of the resources at your disposal to help you learn the subject. Study groups with your classmates can be very helpful, and you're encouraged to get together to work on problem sets and find out your strengths and weaknesses together. If I am available, I am very willing to help answer questions or work through concepts you do not understand. I will ask you, however, what you have done to try and work through the problem yourself. You will learn more if you struggle a bit on your own or with your classmates first rather than throwing your hands up and giving up!

It is important that you come to class! Over the course of the semester, there may be demonstrations, questions and answers, in-class discussion and other material that will not be found in the textbook but may be found on exams. While you can obtain notes for missed classes from other classmates, it is not a substitute for attending and hearing the material yourself. This class will follow the university policy on attendance: you can miss no more than 6 class periods or a V grade (unofficial withdrawal) will be assigned. This reverts to an F grade at the end of the semester.

You will be expected to follow the University policy on academic honesty as outlined in the catalog and the Student Handbook. The policy can also be found on the Gonzaga website. All electronic devices, including personal calculators, cell phones, pagers, etc. must be turned off and hidden from view during exams and quizzes. You will be furnished with a calculator suitable for doing all the calculations you will encounter.

In general, make-up exams will not be given. If you know for certain you will be unable to attend an exam, you must come talk to me **at least** 3 days prior to the exam.