

General Chemistry

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Course Description: General Chemistry and Honors Chemistry both take a broad-view survey of the fundamental concepts of inorganic chemistry. These concepts include the nature of matter, atomic theory, quantum mechanics, chemical bonding, chemical naming, reaction classification, stoichiometry, laboratory practicum, and more. Both courses offer the same exposure to content, however Honors Chemistry supports theory with additional mathematical explanation. As such, Honors Chemistry is offered as a dual credit course with University of Great Falls. Detailed information for dual credit requirements will be given upon registration for class.

Any student with the intent of pursuing a college degree is strongly encouraged to experience chemistry during high school.

Suggested Prerequisites: To ensure all students have an opportunity to be successful in their chemistry experience, all students enrolling in chemistry will be placed by the chemistry instructors in General Chemistry or Honors Chemistry based upon individual success in previous math classes.

Class Assessment: Scoring and assessments will be approximately...

Final Exam 10%

Exams 30%

Labs 30%

Course Work 30%

Grading: Final grades will be a compilation of scores including course work, labs, exams, and a final exam. Grades are based on the following scale:

A 90-100%

B 89-80%

C 79-70%

D 69-60%

F 59% and below

Classroom Tools: You may find it helpful to stay current on our scheduled course days at <http://parisgibson@gfps.weebly.com/schedule.html>

Absent Exams and Labs: Communication is essential. Labs will not set up for more than one week past the initial scheduled date. If you need to schedule a lab or exam on a different date than the one on our faculty schedule, please let me know so that we can work with your schedule.

Classroom Rules of Conduct: Students are expected to be prompt, prepared, and participate in scholarly classroom discussions.

1. Follow directions.
2. Be Prompt: seated & ready to work.
3. Be Prepared: you will need pens, pencils, notebooks, and calculators.
4. Show Respect: to yourself and other students, to me, and of our classroom and laboratory space and equipment.
5. Be Responsible: protect the health and safety of all in the class

POSITIVE ACKNOWLEDGEMENTS: I will praise you verbally for work well done, and make calls or write letters home, for exceptional acts of good classroom citizenship and performance.

CONSEQUENCES: Begin with a simple verbal warning, and progress to reprimand and, if necessary a phone call to your parent or guardian. Continued problems earn an office discipline referral.

SEVERE CLAUSE: Any behavior that creates a threat to the health and safety of any member of the school community, interferes with teaching and learning, willfully wastes or damages supplies and equipment in the classroom or the laboratory, or is overtly defiant of class rules or specific instructions, will be sufficient reason to send you to the office for discipline, immediately.

ADDITIONAL CONSIDERATIONS: Your safety in the Chemistry Laboratory requires somewhat more stringent considerations than needed in the classroom. Any horseplay or misuse of equipment in the laboratory falls immediately under the “Severe Clause” and will result in a student being sent to the office, and permanently excluded from the lab. A more complete description of laboratory safety rules is given near the end of this syllabus.

Required Materials: It is recommended that homework be completed in pencil. The recommended calculator generally cost less than \$15-20. An example is the Texas Instrument TI-30X.

Plagiarism and Honesty: Assessments are a measure of your own effort and ability. A single incident of cheating will result in a grade for a zero regardless if it is a lab, homework, exam etc. A second incident of cheating will result in the removal from the class. Incidences of academic dishonesty are recorded on your permanent record.

CHEMISTRY LABORATORY SAFETY REGULATIONS

The following rules must be observed at all times. Additional safety issues will generally be described in your laboratory instructions.

1. Read the laboratory procedure before entering the lab and beginning work. If you do not understand any aspect of the instructions, tell me.
2. Wear approved safety glasses when requested in the laboratory procedure, or dictated by prudent laboratory practice.
3. Wear closed-toed shoes or sneakers. Bare feet or sandals are not allowed during laboratory work.
4. Conduct only assigned experiments, following the procedures given for that experiment, or specifically approved by me, prior to your experiment.
5. Use equipment only as instructed. If you do not know how to operate a particular piece of equipment, ask me.
6. If you have the slightest doubt about what you're doing, first, re-read the instructions for the lab, carefully. If you still don't understand, ask me.
7. Work quietly. Move slowly. Never raise your voice, except in an emergency.
8. Report any chemical spill or accident immediately. First tell the people around you, and then tell me.
9. Never taste a chemical. This rule applies, even when we are using what appear to be common 'household' materials.
10. Avoid touching your face, particularly your eyes and mouth, before washing your hands.
11. No food or drink allowed in the laboratory, including bottled water, which while allowed in the classroom may not be brought into the laboratory.
12. Tie back long hair or loose clothing when working in the lab. This is particularly important when working with open flames.
13. Never leave a Bunsen burner, other source of flame, or hot plate, unattended.
14. Never look into the opening of a test tube or point it towards anyone.
15. Never return an unused chemical to the original container.
16. Never put your nose near the opening of any container.

17. At the end of the laboratory period, leave your lab station as you found it, or better. Follow all instructions for the safe storage or disposal of chemicals and equipment.
18. As needed, further protocol will be explained such as emergency eye wash stations, shower, glass disposal and proper chemical clean up.
19. When chemicals are used, wash your hands with soap and water before you leave the lab area.
20. If you were to break any equipment, you are financially responsible for its replacement.

Student Name Printed: _____

GUARDIAN'S SECTION:

Please feel free to contact me by email or by phone to request information about your student's status in this class.

Please sign the following:

I have read the course syllabus, classroom procedures, and laboratory safety regulations. I understand that my student's success in this class requires his or her full cooperation and consistent effort.

Parent Signature

Date

STUDENT'S SECTION:

Please sign the following:

I have read the course syllabus, classroom procedures, and laboratory safety regulations. I understand that my success in this class requires my full cooperation and consistent effort.

Student Name Printed _____

Student Signature

Date