

Chemistry B Syllabus – Spring 2017

Instructor: Ms. Kilpatrick

Classroom: E218

Office Hours: 7:30am to 3:30pm

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Class Website:

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Course Description and Content Standards

Chemistry is a challenging course involving the study of matter and energy. Topics covered include molecular geometry, intermolecular forces, the mole concept, solutions chemistry, problem solving and stoichiometry, gas laws, and thermochemistry. All course units include laboratory investigations of chemical phenomena, giving students opportunities to reinforce conceptual understanding with observational evidence. Students will complete calculations using measurements and experimental data, and will explain scientific phenomena through the application and development of scientific models.

- Construct and revise an explanation for the outcome of a simple chemical reaction based on the outermost electron states of atoms, trends in the periodic table, and knowledge of the patterns of chemical properties.
- Use mathematical representations to support the claim that atoms, and therefore mass, are conserved during a chemical reaction.
- Develop a model to illustrate that the release or absorption of energy from a chemical reaction system depends upon the changes in total bond energy.

Advanced College Credit (ACC) Offered

Students completing both Chemistry A and B are eligible for advanced college credit through Clackamas Community College. Chemistry A and B address the content of Introductory Chemistry (CH 104) at CCC. Registration for advanced college credit will be open from **April 10 to May 19, 2017**. If you choose to register, your grade for CH 104 will be an average of your final grades in Chemistry A and B.

OCHS Course Title: Chemistry A/B

Credits: 1.0

Length of Course: Two Trimesters

CCC Course: Introductory Chemistry CH-104

Credits: 5.0

ACC Website: <http://depts.clackamas.edu/acc>

Because this is a dual credit class, earning both high school and college credit, you are held to student conduct policies of both Oregon City High School and Clackamas Community College. Please refer to the Oregon City High School Student Code of Conduct as well as the CCC Student Handbook (<http://www.clackamas.edu/documents/handbook.pdf>).

Required Materials

- Textbook: Chemistry, 2002, Wilbraham Staley Matta Waterman, Addison-Wesley, Prentice Hall
- Scientific Calculator (Required Daily) Recommended Calculators: TI-30XS, TI-30XIIS
- Spiral Notebook
- Class Folder or section in 3-ringed binder

Grading Policy

All homework, assignments, and labs are due at the beginning of the specified class period unless otherwise instructed. You learn the most by completing assignments in a timely fashion. Also, this class will move very quickly and understanding of the new information is dependant on understanding the previous information. The easiest way to be successful in this class is to keep up with all work and ask for help when needed.

Categories	
Lab Activities	30 %
Assignments/Homework	10 %
Quizzes and Tests	60 %

Late assignments will not earn full credit. Assignments will earn 90% of their score if they are turned in within one week of the original due date. Late work that is turned in after the unit assessment will not be graded.

Students have the opportunity to improve their academic grade through retaking quizzes and tests for a maximum score of 75% (C). Quizzes and tests may be retaken within **ten school days** of the original quiz grades being submitted to StudentVUE. Students will be asked to demonstrate completion of homework and/or review assignments before scheduling a retake. Retakes will not be given during class time. Students must make arrangements with the teacher to retake a quiz/test outside of class (i.e. before or after school, or during advisory).

Classroom Expectations

- Be respectful of the facility, the equipment, your teacher, and your classmates.
- Disrespectful language and behavior will not be tolerated regardless of the manner in which it was intended, including inappropriate or discriminatory comments targeting a person based on race, gender, religion, sexual orientation, or national origin.
- Follow all safety instructions given by the teacher and immediately report any accidents.
- Come to class on time and be prepared with all materials at the start of class.
- Complete and turn in all graded assignments on time.
- Cell phones and other electronic devices must be silenced and put away during class.
- No food is to be consumed within the chemistry lab/classroom.
- Request permission to leave the classroom during class.

Academic Integrity/Cheating

Plagiarism and/or cheating will not be tolerated. This includes copying assignments from peers, photographing peer assignments or teacher keys, and the use of unauthorized references or electronic devices during quizzes and exams. Academic dishonesty will result in a mark of zero for the assignment for all students involved. Repeat violations will result in an "F" for the course and a written referral. **See OCHS Student Code of Conduct.**

Science Tutorial

Science Tutorial will be held on Wednesday from 2 PM to 3 PM. You are strongly encouraged to attend Science Tutorial if you fall behind in a class or need help with class work. ***If you are absent for a laboratory activity, you will be expected to complete it during the following Tutorial session.*** The Tutorial is staffed with science teachers and peer tutors, and will be held in the E wing (check with your teacher regarding the location or look for the sign). If you need to complete a lab or a test, let your teacher know that you will be attending Tutorial so they can prepare materials for you. You may not have access to your own classroom during Tutorial time, so be sure to bring all of your work with you.

Absences

It is very important that students be ready to begin class on time every day. Missing time from the classroom may jeopardize the student's ability to learn chemistry. When a student misses class time, the student is responsible for seeking another member of the class to find out what was missed and collect any handouts distributed. Students are encouraged to contact the teacher if there are still questions about assignments or notes. Students with excused absences are allowed one more day than the number of days absent to complete and submit assigned make-up assignments. Lab activities can usually only be performed at school. It is the student's responsibility to arrange a time with the teacher to make up a lab. Lab activities must be completed within 5 class days of the student's return to school. Written make-up assignments may replace a lab assignment at the teacher's discretion.

Leaving the Classroom

Students must request permission before leaving the classroom during the class period. No passes will be given in the first or last 10 minutes of class. One student will be allowed out of the classroom at a time. If a student leaves the room for more than 10 minutes, student will lose hall pass privilege for up to two weeks.

Cell Phones

Cell phones and other electronic devices may not be used during this class without permission of the instructor. Electronics need to be powered down and out of sight. Use of a cell phone, iPods or any electronic device during a test will be considered cheating and appropriate action will be taken. See OCHS Student Code of Conduct.

Questions / Personal Issues

If at any point during the trimester, you are struggling with the course or completing any assignments, you are encouraged to contact Ms. Kilpatrick immediately. Please refer to the contact information and office hours posted at the beginning of the syllabus. I am here as a resource for you! I will do my best to work with you to help you succeed in the class. Contact the teacher about any issues before they become serious problems.