SYLLABUS – Chemistry Mrs. ANCONA, 2015-2016

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## **Course Description**: Chemistry is the study of the composition of materials and their basic elements from the atom through complex molecules, their changes, historic and practical applications, family and analytic relationships. This course includes mathematical problem-solving, demonstrations, and student lab experiments. After both semesters, successful students will earn one credit in “Chemistry” toward the Michigan Merit Graduation Requirements.

**Textbook:** Modern Chemistry, Holt, Rinehart, and Winston, copyright 2002

**Course Content:**

**Semester 1: Semester 2:**

# Matter and Change Gas Laws and Properties

# Measurements & Calculations Properties of Liquids & Solids

Atomic Structure & Moles Types & Properties of Liquid Solutions

Electron Organization & Periodic Law Acids & Bases

Chemical Bonding Reaction Energy & Kinetics

Chemical Compounds & Formulas Chemical Equilibrium

Chemical Reactions & EquationsOxidation-Reduction Reactions

Stoichiometry Organic Chemistry

Nuclear Chemistry

### Chemistry Grading Policy:

* Grades earned on chapter tests will be worth 50% of the total quarter grade.
* All other student work will comprise 50% of the total quarter grade. See details on attached page.
* Students must successfully complete Biology, **AND** Chemistry **OR** Physics and one Elective Science class to meet the Michigan Merit Graduation Requirements in Science.
* Successful students in this course receive “Chemistry” Credit
* To earn full credit, students must successfully complete 2 semesters of a course.

*Course Requirements*:

All students are expected to participate in and complete all class assignments and homework assignments, keep an up-to-date notebook, successfully complete all tests and assignments, bring materials and supplies to class daily and be a positive contributor to the class.

Students are encouraged to seek extra help whenever it is needed. Check the classroom board for dates to meet after school. In addition, students may seek help from any of the other Chemistry teachers.

*Classroom Rules*:

1. Be in class, on time, every day. Do not show up for class asking to leave.

2. Have a pencil/pen, notebook with pockets, scientific calculator & textbook in class every day

3. Listen to and follow all directions.

4. Participate in and complete all class assignments.

5. Use every minute of class time for learning; be SELF-DIRECTED when necessary

6. Act in a respectful and responsible manner. Do NOT interfere with teaching or learning.

7. Cell phones and other electronic devices should be turned off and concealed when requested. Students who have a cell phone or other electronic device out, or in use, when asked to have it off and concealed will lose possession of the item. The device will be sent to the principal’s office for disciplinary review according to the school policy.

8. No eating or drinking any food or beverage during class – do not bring food into the classroom, beverages must be stored OFF of the desktop. It is not safe to eat or have food in the science classroom.

9. No passes will be issued during the first or last ten minutes of class. All other passes will be issued at the convenience of the class. None will be issued during lectures, videos, large group activities or lab times. Only one student at a time will be given a pass.

10. All school rules and policies will be handled as described in the Student Handbook including attendance.

MRS. ANCONA, 2015-2016 ***CHEMISTRY*** GRADING POLICY

Our class completes an important activity and required classroom content is reviewed and assessed EVERY DAY.

If you are absent you will miss something important.

All make-up work is the responsibility of THE STUDENT to seek out and complete.

Card marking grades are each worth 40% and Common Quarterly Exams are each worth 10% of the final semester grade. Two CQE grades are averaged and reported as one Exam Grade.

Grades will be earned in 2 areas contributing to the total card-marking grade:

1. **Assignments 50**% 2. **Tests** **50%**

Homework

* Homework will be assigned every day. Homework will be assessed every day.
* Students who have been absent must show the homework they were last assigned to earn credit.
* Each Friday (last day of student week), students will be given a HOMEWORK REVIEW ASSIGNMENT (HWRA) to complete and turn in on Monday (first class meeting the next week).
* The HOMEWORK REVIEW ASSIGNMENT, along with the tally of completed homework assignments from the previous week will be assessed for credit in the **Assignments** category.
* Partially complete, or missing daily homework and/or HOMEWORK REVIEW ASSIGNMENTS will lead to a grade of less than full credit.
* Late HOMEWORK REVIEW ASSIGNMENTS will not be accepted for credit.
* Students absent on a Friday, should pick up and complete their HOMEWORK REVIEW ASSIGNMENT on the day they return to class. It will be due the next school day for credit to be earned.
* Students absent on a Monday, should turn in their completed HOMEWORK REVIEW ASSIGNMENT on the day they return to class to earn credit.

Other Assignments

* Assignments will be graded for completeness and CORRECTNESS. Besides weekly HOMEWORK REVIEW ASSIGNMENTS, the **Assignments** category may include Quizzes, Problem Sets, Lab Reports, Class Assignments, Projects, Essays, etc.
* Quizzes may be given unannounced. All students present on the day of a quiz will take the quiz. Absent students will make up a missed quiz on the day they return to class or in an on-line format. Quizzes can be retaken once, with permission, utilizing the on-line format. The original quiz score will be replaced by the retake score (higher or lower). However, the maximum retake score will be 86.5% of possible points earned.
* Problem sets assigned are required to be completed by the next school day after the test on that unit is given. Students in attendance on the day after the test will submit whatever they have finished at that time for grading purposes. Absent students will follow the same rule and submit problem sets on the first school day after they complete the test for that unit.
* Assessments such as lab reports, class assignments, projects, and essays should be completed and turned in as soon as possible on or before the official final due date. These tasks may be assigned to groups or individuals.
* Only completed work will be accepted for grading. Completed work turned in after the official final due date will earn no more than 60% of the possible points and may earn zero points.

Tests

* Tests may be administered as paper-and-pencil and/or on-line versions of questions that assess the standards students should have mastered for each given unit.
* There may be multiple-choice, free response, and/or mathematical problem solving questions on any unit test. Some tests or parts of tests may be administered using an on-line testing program.
* All tests are essentially timed. Students who need more time to complete testing should work with the instructor ahead of time to ensure that their specific needs are met.
* On-line tests are timed and the “open window” for accessing the test will be limited to specific dates.
* On-line testing may be completed at home or at school and is considered “open book.” Students are expected to work on the test alone, as an individual.
* Problem Solving and free-response questions and their answers are complex and require students to SHOW THEIR WORK OR EXPLAIN THEIR REASONING. Students cannot earn full credit without doing so.
* Test scores will not be curved or dropped. Test scores cannot be made higher with extra credit or any type of test correction.
* Students may retake each test only once during a time period designated as the “retake window.” The original test score will be replaced by the retake score (higher or lower) with a maximum retake score of 86.5% of possible points earned. The retake may be in a different format and may include different questions or question types than the original test, assessing mastery of the same standards as the original.
* Students who do not score at least 60% or better on a test or quiz the first time it is taken, should seriously consider the retake option.
* *Students are encouraged to seek extra help before retaking any test.*
* All test retakes will be completed before the end of a card marking.
* Tests are given after many days of preparation; and, they are always announced early enough for students to be prepared. Students present in school the day of a test are expected to take the test. Students who have been absent prior to a test will be encouraged to take the test the day it is given. Those who have extenuating circumstances and a prior conversation with the instructor, can retake the test with the chance to earn 100% of possible points earned.
* Students absent on the day of a test will make it up on the day they return to class, unless prior arrangements have been made.

MAKE UP: Students are responsible for all work assigned. Missed work can be obtained by checking with other students, or by checking Twitter postings available on-line 24/7 at www.twitter.com/mrsancona.

Students should complete missed work and review related text material as instructed.

IMPORTANT:

Make it a regular practice to frequently check your overall grade on-line.

However, be aware that at the beginning of each cardmarking, every grade entered makes a huge difference in the overall total. That will not be the case at the end of a cardmarking when there are many other grades already entered into the calculation.

A true sense of student progress will not be revealed until the grades include assessments and tests in the calculation.