

**MVLA  
2019-20  
COURSE INFORMATION SHEET**

**Course Title:** AP Chemistry  
**School:** Mountain View HS  
**UC/CSU requirement:** Yes/Yes, D  
**Textbook:** *CHEMISTRY-The Central Science, AP 11th ed, Brown Lemay*

**Student Learning Outcomes:**

Advanced Placement Chemistry is designed to be the equivalent of a first year college Introductory Chemistry course and as such is a valuable asset for any student with a desire to major in science. This course prepares students to take the Advanced Placement (AP) exam in Chemistry held annually every May.

Students will be able to coordinate a combination of knowledge and skills in order to accomplish a goal or task using science practices. Student will establish lines of evidence and use them to develop and refine testable explanations and predictions of natural phenomena with equal parts content, inquiry, and reasoning skills. All course work will center on the following AP College Board's six Big Ideas:

1. Students will know and understand chemical elements are fundamental building materials of matter, and that all matter can be understood in term of arrangements of atoms. Students will learn these atoms retain their identity in chemical reactions.
2. Students will know and understand chemical and physical properties of materials can be explained by the structure and the arrangement of atoms, ions, or molecules and the forces between them.
3. Students will know and understand change in matter involve the rearrangement and/or reorganization of atoms and/or the transfer of electrons.
4. Students will know and understand rates of chemical reactions are determined by details of the molecular collisions.
5. Students will know and understand the laws of thermodynamics describe the essential role of energy and explain and predict the direction of changes in matter
6. Students will know and understand any bond or intermolecular attraction that can be formed can be broken. Students will learn these two processes are in a dynamic competition, sensitive to initial conditions and external perturbations.

**Assessment and Grading ([BP 5121](#) / [AR 5121](#)):** To ensure that every student has an equal opportunity to demonstrate their learning, the course instructors implement aligned grading practices and common assessments with the same frequency.

1 & 2. Grading categories, percentage weights, and assessment evidence to be collected:

**Unit Exams (40%)**

There will be a major exam at the end of each Unit. Approximately 4 units are taught per semester. Exams are comprised of AP style multiple choice questions and essays, both integral parts of the real AP exam. All unit exams are to be kept until the end of the school year for review purposes.

**Investigative Labs (20%)**

We will spend 25% of our time together performing investigative inquiry-based lab assignments. Each will require you turn in either a full lab report or a teacher determined abbreviated report. Labs are due one week after the completion of the work in class. Makeup labs are done by appt. ASAP.

**Homework & Quizzes (10%)**

Homework will be checked daily and is due at the beginning of class; stapled if need be, with name/period number clearly printed on the front. Late or incomplete homework will not be accepted. Absent students are allowed the number of days they missed to make up work. Expect major/minor chapter quizzes both announced and unannounced.

**Classwork/Work Habits (10%)**

You are expected to be an active collaborator who buys into the team effort of the class. Keeping up with textbook reading is essential to showing up to class prepared to contribute. You are expected to behave with proper classroom mannerisms consistent with a collaborative, respectful, and team first environment. You will be assessed a Classwork grade once semester based on overall participation rate, collaboration ability, and class punctuality.

**Final Exam (20%)**

Given at the end of each semester

3. Grading scales:

A- 90 to 92.49%	A 92.5 to 97.99%	A+ 98.0 to 100%
B- 80 to 82.49%	B 82.5 to 87.49%	B+ 87.5 to 89.99%
C- 70 to 72.49%	C 72.5 to 77.49%	C+ 77.5 to 79.99%
D- 60 to 62.49%	D 62.5 to 67.49%	D+ 67.5 to 69.99%
F 50 to 59.99%		

4. Homework/outside of class practices ([AR 6154](#)):

Homework will always be posted on Mr Panos' Google Classroom site the day it is assigned if not earlier. Students should expect to spend 30-45 min on homework per night.

5. Excused absence make up practices ([Education Code 48205\(b\)](#)):

Absent students are allowed the number of days they missed to make up work or within a time frame mutually agreed upon with the teacher. It is expected that students inquire in person or via email with Mr Panos about homework ahead of time prior to expected/planned upcoming absences. There will be alternate "make up" versions of tests so that students who miss a test and have an excused absence will be able to make them up.

6. Academic integrity violation practices ([MVHS Academic Integrity Policy](#)):

7. Late work practices:

Late Homework assignments are generally not accepted. Students are encouraged to speak with Mr Panos regarding all assignments not turned in on time to discuss available options, if any. Homework is considered late after the class turns it in at the beginning of each period. Late Laboratory reports will be marked off 10% per school day past the due date.

8. Revision practices:

Students who receive below a 70% on a unit exam are allowed two sets of "Test Corrections" per semester. Test corrections involve reworking the FRQ (Free Response Question) style problems from the exam or an additional equivalent assignment should the teacher deem it necessary. Test Corrections will raise a student's low exam grade up to a maximum of 70%. There are no other revision practices offered for any other assessment in the class.

9. Extra credit practices:

Extra credit is not offered in this class with the exception of 1-2 FRQ bonus problems offered on select exams.

10. Additional grading practices:

None

**Instructors' email addresses:**

jeff.panos@mvla.net

**Additional information:**

**Required Class Materials\***

- ONE Lab Notebook with duplicate pages (provided)
- ONE 3-ring binder able to hold all class notes, papers, and old exams with binder paper & Dividers
- Personal computing device (Laptops/Chromebooks preferred)
- Pencils, Pens, class textbook, and Scientific Calculator (Your phone is not an acceptable calculator)

\* Materials listed above can be provided upon request