



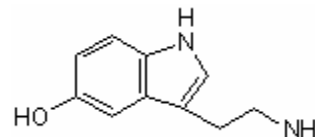
McLean High School Course Description and Expectations for

AP Chemistry/Senior Science Investigations

Prerequisites: Chemistry 1, passing score on Chemistry 1 SOL exam

Corequisites: Required: Senior Science Investigations Suggested: Physics 1, Trig/Math Analysis or Pre-calculus with Trig Honors

Short Course Description: Students will study advanced chemistry topics with intense concentration on kinetics, equilibrium, acids/bases, thermochemistry and electrochemistry. Students must have a strong foundation in first-year chemistry topics including scientific investigation, atomic structure and periodic properties, chemical reactions, molar relationships, and phases of matter. There are between 20 and 30 required labs over the course of the year.



Summer Assignment: Announced in June. Please see the AP Chem teacher for details the first week on June.

Work Load during the School Year: 1.5-2 hours per night including daily reading from text and problem sets. One individual formal lab report is due each week.

Special Course Information: A graphing calculator is required. Classes meet each day for 90 minutes. Successful students in AP Chemistry have strong math and science skills as well as advanced problem-solving skills. They demonstrate independent learning and resilience to overcoming difficult material. Additionally, these students take a long-term view of their learning making connections between topics, rather than the binge and purge techniques employed by many students in first year courses.

Available Support: After school study groups, online discussion groups, the teacher

Student Quotes: “AP Chemistry is my hardest class right now, but it is also the most interesting and the most rewarding. The labs are much more fun than Chemistry 1 labs. If I study and do my work, the course is definitely manageable. You don’t have to be a genius to do well.” ~ Eliza Dickson

“AP Chemistry is a very challenging course requiring a lot of time and effort. I wish I had taken it as a junior because I had forgotten much of the important Chem. 1 information. However, the class is interesting and rewarding if you are willing to make the effort. ~ Laura Bergner

“If you’re considering a career in science or just want to keep your options open, this is the class to take. It’s the best preparation for college that McLean offers.” ~ Fuad Bohsali

Please sign indicating that you have read and understand the nature of this AP course.

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student signature

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parent signature

