

CHEMISTRY

Dr. Jerry Burns

Tuition: \$330 (½ due at registration, ½ due first day of classes in August)

Credit: 1

Prerequisites:

Students need to be proficient with Algebra I, in particular multiplying fractions and rearranging equations to solve for a particular variable.

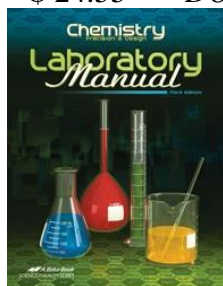
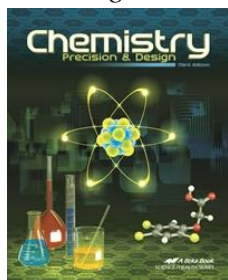
Materials:

●Chemistry: Precision and Design, *3rd edition*, Verne Biddle, A Beka Book.

Ordering Code 182931 – variable (up to \$ 59.40) OR *digital (202274)* - \$19.95

●Laboratory Manual for Chemistry: Precision and Design, *3rd edition*.

Ordering Code 183024 - \$ 24.55 DO NOT BUY USED!



●Other materials: scientific calculator ≈\$10.00

Course Description:

The first semester will cover chapters 1-4, 6 of the text, which are the fundamental concepts and calculations needed for college success in any science related field. An emphasis is placed upon systematic and orderly thought, upon understanding the causes of common physical and chemical processes, and upon fluency with dimensional analysis.

The second semester will cover chapters 5, 7-14,17 of the text, which are more detailed and specialized material. An emphasis will be placed on the logical use of chemical information to discern patterns of chemical behavior, to explain the causes of various reactions and processes, and to predict chemical behavior based upon acquired knowledge.

Expectations:

This course is taught at the college-prep level. Students are expected to be good at algebra and to spend on average about six hours per week outside of class on course material. For most students, this course is a significant step up in level of difficulty compared to others in their high school career. Parent involvement is essential.

“Only those who have the patience to do simple things perfectly will acquire the skill to do difficult things easily.” - Johann von Schiller