

Chemistry

Instructor: Earl Sack

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Text:

Exploring Creation with Chemistry 3rd Edition by Dr. Wile (www.apologia.com) and the companion solutions guide/test booklet.

***** PLEASE NOTE: Because of the differences between the second and third editions, students in a group setting cannot use both. They must all have the 3rd edition*****

Objective:

The course covers significant figures, units, classification, the mole concept, stoichiometry, thermochemistry, thermodynamics, kinetics, acids and bases, redox reactions, solutions, atomic structure, Lewis structures, molecular geometry, the gas laws, and equilibrium. Students who take and understand this course will be very well-prepared for a tough university chemistry course.

**** In order to be able to understand this text, the student needs to have completed algebra****

Along with lecture, there will be laboratory experiments to provide hands on re-enforcement of concepts presented during lecture.

Class Fee:

\$50 lab fee to cover all materials used during labs

Grades:

33% based on Study Guide completion

34% based on Module Tests (16 tests total)

33% based on Lab Reports

Grading scale:

90-100% = A

60-69% = D

80-89% = B

>60% = F

70-79% = C

Policies:

This is an academic class and as such, there is a large amount of reading to keep up with as well as the homework. Students will be expected to spend between 30 minutes to 60 minutes daily in order to stay on track with the work load. Late work is not accepted without prior instructor approval.

Materials needed for class:

- 3 paper notebook folders with metal clasps for holding papers
- A 3 ring binder with 4 dividers, pens, paper
- Internet access and an email address