

University of Wisconsin-Green Bay  
Principles of Chemistry I (Chemistry 211) and Principles of Chemistry I laboratory  
(Chemistry 213)  
2018-2019

Instructor: Seth M. Reuter

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Location: Seymour High School 10 Circle Drive Seymour, WI 54165

Dates: September 4, 2018 – May 31, 2019

Credits: Chemistry 211 (4 credits) / Chemistry 213 (1 credit)

Course Description: This chemistry course is designed to be the equivalent of the General Chemistry course taken at UWGB. This course provides the student opportunities to develop their ability to think clearly and to express their ideas, orally and in writing, with clarity and logic. A strong emphasis is placed on lab work, chemical calculations, and the mathematical formulation of principles. This course covers an increased number of topics and a variety of laboratory experiments.

Materials:

Text: Zumdahl, S.S. Chemistry, 9<sup>th</sup> edition. Cengage, Stamford, CT. 2014

Lab Manuals: (1) Vonderbrink, S.A. Laboratory Experiments for Advanced Placement Chemistry.

Flinn Scientific, Inc. Batavia IL. 1995 (2) Hall, J.F. Experimental Chemistry. Houghton Mifflin, New York. 2003

Calculator: Calculator must have the capabilities for scientific notation and logarithmic functions.

Information and Recommendations:

Lecture:

-Lecture notes will be discussed at the start of each chapter. Lectures will cover major topics or those with difficult concepts or mathematics. Students will be expected to read the textbook in order to learn all chemistry concepts.

Discussions:

-Regularly scheduled discussions will be held during class. All students will be expected to participate in small group and large group discussions.

Assignments:

-Problems sets will be assigned at the beginning of each chapter and will be collected at the end of the chapter. Students will be given time throughout the chapter to complete homework but the majority will be completed outside of class. Assignments will make up 15% of your overall quarter grade. Assignments turned in after completing the chapter quiz will result in a 50% reduction in points.

Quizzes:

-A quiz will be given at the end of each chapter. The quizzes will include conceptual and calculation based problems. Quizzes are composed of mainly multiple choice questions with a few problems or short answer questions. Quizzes will make up 25% of your overall quarter grade.

#### Tests:

-A test will be given at the end of each quarter. Material will be derived from the three chapters covered in that particular quarter. Tests are composed of a variety of problem based and short answer questions. The quarter tests will make up 60% of your overall quarter grade. A cumulative written final will be given upon completion of the course and will be 20% of your overall UWGB final grade.

#### Laboratory:

-Lab experiments will coordinate with chapter content. Typical labs will extend several days in length due to the limited class length. Lab reports will be submitted within 1 week of lab completion. Labs submitted after 11:59 pm on the due date will receive partial credit. The revision history on Google Docs will be used to establish what portion was complete on time and that portion will be graded at full credit and the portion completed after the due date will receive no credit. Laboratory will make up 100% of your Chemistry 213 quarter grade. Unsafe laboratory behavior will be a factor in successful completion of chemistry. Lab rule violations may result in dismissal from chemistry. A laboratory final will be given upon completion of the course and will be 20% of your overall UWGB final grade.

#### Attendance:

-Due to the nature of this course, attendance is extremely important. Students are responsible for making up any missed work due to absences in a timely manner.

#### Grading Scale:

-The grading scale for this course is based off of UWGB's scale. Slight variations may exist because of the +/- grading scale used in the high school.

		B+	85.0	C+	73.0	D+	61.0
A	93.0	B	81.0	C	69.0	D	58.0
A-	89.0	B-	77.0	C-	65.0		

#### Use of electronics:

-The daily use of electronics is prohibited. Occasionally, it may be necessary to use electronic devices during chemistry class or lab to determine current lab conditions or identify necessary laboratory values. Specific instructions will be given when electronic devices are used. Absolutely no electronic device may be used during assessments for any reason.