

CHM 152
General Chemistry II
Spring 2009, Section 17846
MW 10:30 – 11:45 AM, PS 172E

Dr. Doug Sawyer
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Office Hours
M 12:30 – 1:20 PM
T 1:30 – 2:20 PM
WRF 9:30 – 10:20 AM
(TH in CM441A)

http://www.scottsdalecc.edu/chemistry/douglas_j_sawyer.html

<u>Week of</u>	<u>Chapter</u>	<u>Subject</u>
1/21	12	Chemical Kinetics
1/26	12	Chemical Kinetics
2/2	13	Chemical Equilibrium
2/9	13	Chemical Equilibrium
2/16		No Classes 2/16, Presidents' Day
2/18		Exam I, Chapters 12-13, Wednesday 2/18
2/23	14	Acids and Bases
3/2	14	Acids and Bases
3/9	14, 15	Aqueous Equilibria
3/16		No Classes March 16 – 20, Spring Break
3/23	15	Aqueous Equilibria
3/30	15	Aqueous Equilibria
4/1		Exam II, Chapters 14-15, Wednesday 4/1
4/6	16	Thermodynamics
4/13	16, 17	Thermodynamics
4/20	17, 18	Electrochemistry
4/27	18	Nuclear Chemistry
5/4		Exam III, Chapters 16, 17, 18, Monday 5/4
5/6	21	Transition Metal Chemistry
5/13		Final Exam, Wednesday, May 13, 9:30 - 11:20AM

Textbook: *Chemistry 7/e*, by Stephen Zumdahl

Course Objectives: This course emphasizes an understanding of the basic principles of General Chemistry. The official minimum course competencies are listed online at:

<http://www.maricopa.edu/curriculum/A-C/066chm152.html>

Withdrawal from class is the responsibility of the student and will follow guidelines set by the college/department in the SCC Class Schedule. Failure to withdraw could result in an “F” on your record. A “Y” WILL BE GIVEN TO STUDENTS SEEKING WITHDRAWAL AFTER April 4 WITH LESS THAN 50% OF THE TOTAL POINTS.

Lab: The lab is a separate course from the lecture. You may enroll in lab if you are currently enrolled in lecture or if you have completed the lecture course no more than one year ago. Withdrawal from lecture and lab requires withdrawal from two separate classes. You may not drop the lecture and retain the lab unless at least 3/4 of the lecture course has been completed.

Homework: Homework is assigned for each chapter. It is due at the beginning of exam class periods. Doing homework is a tremendous aid to success and understanding in chemistry. It will be returned with a check, but not graded. Homework completion will be considered for borderline final course grades.

Quizzes: A quiz will be given each Wednesday (excluding exam weeks). The quizzes will cover material presented prior to the quiz date.

Calculators: A calculator is required to successfully complete the course. The calculator should have exponential notation and logarithm functions

Help: There are no-cost tutors to help in the **Math/Science Learning Center**. There are several tutorial programs in the PS Computer room. Please also use **my office hours**.

Students with Disabilities: It is a college policy to provide reasonable accommodations to students with disabilities. If you would like to request accommodations due to a physical, mental, or learning disability, please contact the Disability Resources & Services office, SC-144, 480-423-6517.

Attendance: Class participation is essential to your successful learning in chemistry. 30 bonus points (5% points) will be awarded to those who maintain perfect attendance. Each absence subtracts 6 bonus points, and each late arrival subtracts 3 bonus points.

Nomenclature: It is the responsibility of each student to pass a nomenclature quiz by Friday February 13. A passing grade on this quiz is a score of 80%. You may take this quiz at the Chemistry Stockroom once per day as needed to obtain that score. **This quiz must be passed to receive a passing grade for the course.** Practice with the online quizzes and/or the computer programs in the PS Computer room.

Grading

Quizzes	100
Exams	300
Final	200
total	600 points

Grade status will be posted following each exam.

The lowest two quiz scores will be dropped.

You may be allowed to make up the credit for a missed exam if you notify Dr. Sawyer as soon as possible once your conflict is known. Excused absences will not be granted after the end of the day of the exam. Proper documentation will be required.

The Final Exam is a comprehensive, multiple-choice exam which covers the material from General Chemistry I and II.

Academic Dishonesty: Cheating is unfair to the cheater and to the others in the class. If a person represents someone else's work as his/her own on an exam or quiz, then that is cheating. Persons who cheat will be recommended for expulsion from the college. There are no second chances.

CHM 152 HOMEWORK
Zumdahl, 7th Edition

CHAPTER 12: 19, 23, 25, 29, 31**, 35ab*, 39, 51, 53, 55, 57**, 59*, 73**, 79, 85*

CHAPTER 13: 19, 21, 25, 31, 39, 41, 45, 49, 57, 59, 63, 65, 73, 75, 91

CHAPTER 14: 17, 19, 21, 29, 37, 43, 51, 55, 59, 61, 65, 67, 71, 77, 81, 85, 91, 99, 101, 103, 107, 113, 117, 123

CHAPTER 15: 23, 27, 29, 31, 33, 35, 41, 45, 51, 53, 55, 63, 77, 79, 81ab, 91, 97, 105, 109, 149

CHAPTER 16: 25, 29, 33, 35, 37*, 43, 47, 49*, 51, 55, 57*, 61*, 63*, 65*, 71, 75*, 79ab*, 95*, 97*

CHAPTER 17: 33*, 35*, 37*, 39*, 43*, 45*, 47*, 55*, 57*, 59*, 71*, 73*, 81*, 83*, 87*, 89*, 127

CHAPTER 18: 11, 13, 17, 19, 25, 27, 33, 41*, 49, 51, 57*, 59

CHAPTER 21: 15, 19, 21, 29, 31, 33

*You will need to look-up a constant or equation to solve these problems.

**These problems require you to graph some data.

Instructors at SCC are expected to be professional, courteous, respectful and empathic to students -

- o Begin and end class on time -
- o Be prepared for each class session -
- o Provide academic feedback and grade assignments in a timely manner -
- o Be available for individual consultation -
- o Clarify assignments and inform students of any adjustments to the class schedule -

Students are expected to be reflective, courteous, and respectful to classmates, instructor, and other College staff assisting in your learning -

- o Be in class and be on time -
- o Be prepared for class sessions -
- o Participate in class activities -
- o Follow instructions and complete assignments -
- o Keep up with and turn in assignments by the due dates -
- o Put forth your best effort -
- o Ask questions when you don't understand -
- o Maintain knowledge of your grade status -
- o Contact instructor right away about concerns or situations that interfere with your success in class -
- o Comply with policies found in the College catalog and student handbook