

CHE 126 Chemistry and Society

Section C — MW 10:00 – 11:20 AM — Riverside Center 107

Instructor: Dr. Matthew Wilson

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Office Hours: Dr. Wilson will be available 12:30 – 3:00 PM Monday and Wednesday, and at other times by appointment.

Course Description: Designed for non-science majors. Introduces the basic concepts of chemistry and examines them in terms of real-world examples. Satisfies general distribution requirements. May be taken as a preparatory course for CHE 152 but is not applicable toward a chemistry major or minor. Lecture only.

Prerequisites: MAT 150 or equivalent.

Learning Objectives:

- Understand the foundations of science.
- Foster awareness of and increase literacy in chemistry.
- Apply the basic concepts of chemistry to real-world applications.

Required Materials: *Chemistry for Changing Times*, J. Hill, T. McCreary, and D. Kolb, 13th ed., access to the Top Hat student response system (<https://tophat.com>), and a scientific calculator (a phone or other electronic device may *not* be substituted for a calculator).

Communication: Class announcements, lecture notes, course documents, and grades will be posted on Blackboard (<http://ut.blackboard.com>). Students are responsible for monitoring their UT email account and the course Blackboard site.

In-class Activities: Two diagnostic tests will be given, one at the beginning of the semester, and one at the end. Credit earned on these tests is based entirely on participation, *not* correctness. During other class periods, problems will be assigned through Top Hat that are graded on both participation *and* correctness. The maximum number of course points that can be earned from in-class activities is 120 points.

Homework: Homework will be assigned through Top Hat. The maximum number of course points that can be earned from homework is 200 points.

Exams: Each exam will be worth 120 course points. A missed exam will count as a zero, unless excused by your instructor. A decision to excuse an absence from an exam will only be considered if supported by written documentation. An excused in-class exam will be replaced by the grade on the final exam; no make-up exams will be given. An unexcused absence from an exam will result in a grade of zero on the exam. Any requests regarding the regrading of an exam must be made within one week of receiving the graded exam; your instructor reserves the right to regrade the entire exam.

Grades: A total of 800 points are possible in the course. Letter grades will be assigned as follows:

A	800 – 720 points	100.0 – 90.0%
AB	719 – 680 points	89.9 – 85.0%
B	679 – 640 points	84.9 – 80.0%
BC	639 – 600 points	79.9 – 75.0%
C	599 – 560 points	74.9 – 70.0%
D	559 – 480 points	69.9 – 60.0%
F	479 – 0 points	59.9 – 0.0%

Academic Dishonesty: Cheating in any form will not be tolerated. Students caught violating any aspect of the University of Tampa's Academic Integrity Policy will be penalized in all cases. Penalty ranges from "0" on an assignment to "F" for the course without regard to a student's accumulated points. Students may also face expulsion. It is the student's responsibility to become familiar with the policies of the university regarding academic integrity and to avoid violating such policies.

Office of Student Disability Services: If there is any student who has special needs because of a disability, please go directly to the Academic Success Center in North Walker Hall. You may phone 813-258-5757, or e-mail jlaw@ut.edu to report your needs and provide documentation of your disability for certification. Janice Law is the director of the Academic Excellence Programs that includes Student Disability Services. Please feel free to discuss this issue in private if you need more information.

Disruption Policy: The professor believes that every student has the right to a comfortable learning environment where the open and honest exchange of ideas may freely occur. Each student is expected to do his or her part to ensure that the classroom (and anywhere else the class may meet) remains conducive to learning. According to the terms of the University of Tampa Disruption Policy, the professor will take immediate action when inappropriate behavior.

Course Interruption Due To Adverse Conditions: In case of any adverse condition or situation which could interrupt the schedule of classes, each student is asked to access www.ut.edu for information about the status of the campus and class meetings. In addition, please refer to ut.blackboard.edu for announcements and other important information. You are responsible for accessing this information.

Syllabus Modifications: The professor reserves the right to make changes to this syllabus as necessary.

Schedule: The following is a tentative schedule of topics to be covered and exam dates:

January 21	Syllabus, ACS Diagnostic Pre-Test
January 26	Chemistry (Ch. 1)
January 28	Atoms (Ch. 2)
February 2	Atomic Structure (Ch. 3)
February 4	Atomic Structure (Ch. 3)
February 9	Chemical Bonds (Ch. 4)
February 11	Chemical Bonds (Ch. 4)
February 16	Exam 1
February 18	Chemical Accounting (Ch. 5)
February 23	Chemical Accounting (Ch. 5)
February 25	Gases, Liquids, Solids ... and Intermolecular Forces (Ch. 6)
March 2	Gases, Liquids, Solids ... and Intermolecular Forces (Ch. 6)
March 4	Acids and Bases (Ch. 7)
March 9	<i>No Class</i>
March 11	<i>No Class</i>
March 16	Acids and Bases (Ch. 7)
March 18	Oxidation and Reduction (Ch. 8)
March 23	Exam 2
March 25	Organic Chemistry (Ch. 9)
March 30	Organic Chemistry (Ch. 9)
April 1	Polymers (Ch. 10)
April 6	Biochemistry (Ch. 16)
April 8	Biochemistry (Ch. 16)
April 13	Exam 3
April 15	Air (Ch. 13)
April 20	Air (Ch. 13)
April 22	Energy (Ch. 15)
April 27	Energy (Ch. 15)
April 29	Household Chemicals (Ch. 21)
May 4	ACS Diagnostic Post-Test
May 8	Final Exam (11:00 AM – 1:00 PM)