

General Chemistry I – 2522
CHEM 1010 Section 4
Autumn Quarter, 2016



Welcome to General Chemistry II! This is an introductory course covering topics in chemistry, often described as the “central science.” Topics covered include atomic and molecular structure, reactions in solution, and thermochemistry.

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Lecture & Recitation: T/R 8:00 a.m. – 9:50 a.m. Boettcher Center Auditorium 101

Office Hours: By appointment. Please e-mail me at least one day in advance.

Textbook: Connect Chemistry with LearnSmart and eBook - *Chemistry: The Molecular Nature of Matter and Change*, 7th Edition, Silberberg, McGraw-Hill

Exams: There will be two 110-minute exams during the quarter worth 100 points each. The final exam will also be worth 100 points. If your final exam score is higher than either 110-minute exam score, the lowest score will be dropped and the final will count for 200 points. ***There will be no makeup exams. If you miss an exam for any reason, that exam will be dropped and the final will count for 200 points. The final exam is not optional.***

Readings and LearnSmart Assignments: Assigned reading should be completed prior to class. The adaptive learning software, known as LearnSmart, is run through a system called Connect. It will be used to reinforce the concepts from the e-book as you read. There will be a LearnSmart assignment due before every Tuesday and Thursday class (Thursday for the first week). The length and content of each assignment will vary between students depending on their understanding of the material. The more closely you read the material, the less time you are likely to spend on these assignments. LearnSmart assignments will not be graded based on right/wrong answers but on completion. Students are strongly encouraged to spend extra time using the features in the LearnSmart interface to study. Instructions for enrolling in Connect are provided in Canvas under ‘Modules.’

Our course link is: <http://connect.mheducation.com/class/b-cowen-tr-800---950-am>

Online Homework: In addition to LearnSmart assignments, there will be weekly homework problem sets through Connect. These assignments are due Monday nights by 11 pm.

Calculator: An inexpensive calculator that has the capabilities for square roots, logarithms, and (exponential) scientific notation operations is required.

Final Grade: Your final letter grade will be determined out of 500 points and will be curved appropriately based on overall class performance. **Exams** = 300 points; **LearnSmart assignments** = 100 points; **Online homework assignments** = 100 points


Lectures: I will cover material on PowerPoint and the white board. ***I will post PowerPoint slides but not white board notes on Canvas. If you miss a lecture, please see a classmate for the white board notes.***

Canvas: The University of Denver has transitioned from Blackboard to the Canvas learning management system. You may log in to <https://du.instructure.com> with your DU ID number and PioneerWeb (WebCentral) password to access the course. Here are some helpful Canvas resources to get you started:

Canvas Student Quickstart Guide: <http://guides.instructure.com/m/8470>

Canvas Student Guide: <http://guides.instructure.com/m/4212>

Academic Integrity: I have high expectations for each and every one of you as students at the University of Denver. While I encourage group study sessions outside of class, I expect you to work independently during homework assignments and in class examinations. Any deviations from this policy will not be tolerated. For more information, please see the University of Denver's official Honor Code at: <http://www.du.edu/studentlife/studentconduct/>

Science and Engineering Center: Need extra help? The Science and Engineering Learning Center is a collaborative space staffed by undergraduate and graduate learning assistants (LAs) trained to assist students with some first and second year biology, chemistry, physics, computer science and engineering courses. We offer support for both lecture and laboratory courses for chemistry, physics, and engineering courses and lecture only for computer science and biology. Our goal is to help students grow as problem solvers by assisting with homework sets, lab reports, and preparing for exams. The Science and Engineering Learning Center is **not** a one-on-one tutoring center, but is rather a support system where students can get guidance from LAs as well as their peers. This center is open to all DU students. All services are free. Located in the north-west corner of the first floor of the Anderson Academic Commons (west of the writing center). See <http://portfolio.du.edu/sec> for a complete schedule. Please also follow on Twitter for the most up-to-date announcements:  **@SELCatDU**

Preliminary Course Schedule – Subject to Change

Date	Topic	Reading*
09/13/16	Chapter 1: Keys to the Study of Chemistry	1.1 – 1.5
09/15/15	Chapter 2: The Components of Matter	2.1 – 2.6
09/20/15	Chapter 7: Quantum Theory and Atomic Structure	7.1 – 7.3
09/22/16	Chapter 7: <i>Continued</i>	7.4, 8.1
09/27/16	Chapter 8: Electronic Configuration & Periodicity	8.1 – 8.4
09/29/16	Chapter 9: Models of Chemical Bonding	2.8, 9.1 – 9.3
10/04/16	Chapter 9: <i>Continued</i>	9.4 – 9.6
10/06/16	EXAMINATION I (material up to 9.4)	
10/11/16	Chapter 10: The Shapes of Molecules	10.1 – 10.3
10/13/16	Chapter 11: Theories of Covalent Bonding	11.1 – 11.3
10/18/16	Chapter 12: Intermolecular Forces	12.1 – 12.5
10/20/16	Chapter 3: Stoichiometry of Formulas and Equations	3.1 – 3.3
10/25/16	Chapter 3: <i>Continued</i>	3.4
10/27/15	Chapter 4: 3 Major Classes of Chemical Reactions	4.1 – 4.3
11/01/16	Chapter 4: <i>Continued</i>	4.4 – 4.7
11/03/16	EXAMINATION II (material up to 4.4)	
11/08/16	Chapter 5: Gases and the Kinetic-Molecular Theory	5.1 – 5.3
11/10/16	Chapter 5: <i>Continued</i>	5.4 – 5.6
11/15/16	Chapter 6: Thermochemistry	6.1 – 6.6
11/17/15	Course Review	
11/22/16	FINAL EXAM (cumulative)	

***Include the last section listed (e.g., read as 1.1 through 1.5 for 9/13/16)**