

Syllabus for Online 1407 Introductory Chemistry

Course Instructor



Instructor: Saideh Mortazavi, Ph.D.

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Term: Fall B, 2015

Office Hours: WRF 9 to 10 or by appointment

Course Description

Introductory Chemistry introduces concepts to science related professions. This course satisfies the chemistry requirement for nursing and assumes no prior knowledge of chemistry. The goal is to make you a critical thinker by understanding scientific concepts such as composition, structure, and transformation of matter.

Course Overview

This course is composed of a lecture plus a lab component and each is a portion of your grade. You will be expected to read the text, work on fundamental knowledge of vocabulary for each chapter, and do the assigned homework problems. A quiz will be given at the end of each week to ensure you are learning the materials on the two designated chapters for that week. In addition, each week a laboratory experiment is assigned to complement the course material. Lab Assignments are expected to be done weekly to insure understanding of the experiments.

Prerequisite Courses: Math 3011, Intermediate Algebra that may be taken with this course.

Prerequisite Skills and Knowledge: None

Credit Hours: 4

Course Textbook

Basic Chemistry, 4e, Timberlake and Timberlake. The **eText** is accessible through MasteringChemistry.

Required Materials

This course requires the use of an eScience Labs Kit. The kit can be purchased through the [UTEP Bookstore](#).

Course Technology

This course requires the use of MasteringChemistry Lab. Your access code can be purchased through the [UTEP Bookstore](#) or in your Moodle course.

Technology Requirements

Visit Pearson Product Support to check your [system requirements for MasteringChemistry](#).

Tech Support

The University of Texas at El Paso offers complete technical information and online help desk support at <http://at.utep.edu/techsupport/>.

Library Information

Access the UTEP Library by visiting <http://libraryweb.utep.edu/>.

Expectations and Policies

What to Expect from the Instructor

I will be available to help you with questions that might arise from the readings, homeworks, or laboratory assignments. You can send a message, email, or chat with me through Moodle. Please learn to use these features in Moodle. Please keep in mind that I am not an expert in resolving technical issues. Therefore solve technology related issues with UTEP help desk support.

Participation

It is expected that you go over weekly activities and discussion questions, although no points are allocated to them. For every chemistry laboratory you should include at least one photo of yourself performing the experiment.

Late Policy

Late work will not be accepted for any reason. Please try to do all your assignments and quizzes ahead of time before the dead lines. The grading is automated, and I will not change your grades.

Method of Evaluation

Assessment Items	Due Date	Points	Total	Value
Weekly Homework Assignments	Sunday at 11:00 p.m.	7 x 50	350	35%
Weekly Lab Assignments	Sunday at 11:00 p.m.	7 x 20	140	14%
Weekly Assessments/Quizzes	Sunday at 11:00 p.m.	7 x 50	350	35%
Final Exam	Sunday at 11:00 p.m.	160	160	16%

Total: 1000 100%

Grading Scale

Letter Grade	Percentage Earned
A	90%–100%
B	80%–89%
C	70%–79%
D	60%–69%
F	<60%

Course Learning Outcomes

Upon completion of this course, you should be able to:

1. Calculate scientific measurement through the use of problem solving strategies.
2. Recognize the relationships between atoms, elements, molecules, and compounds.
3. Utilize fundamental chemical principles to predict reactivity of elements.
4. Solve scientific problems by following logical procedures based on well-established scientific principles.
5. Apply fundamental chemical principles in laboratory experiments.
6. Apply the basic principles of atomic theory, the nuclear atom, isotopes, and atomic mass to a discussion of elements.
7. Differentiate reaction energies, reaction rate, and equilibrium as applied in chemical reactions.
8. Analyze observable and numerical data to attain an informed conclusion.
9. Convey knowledge of chemical principles, using the language of chemistry, to a variety of audiences in a variety of forms.

Academic Dishonesty Statement

Academic dishonesty is prohibited and is considered a violation of the UTEP *Handbook of Operating Procedures*. It includes, but is not limited to, cheating, plagiarism, and collusion.

- *Cheating* may involve copying from or providing information to another student, possessing unauthorized materials during a test, or falsifying research data on laboratory reports.
- *Plagiarism* occurs when someone intentionally or knowingly represents another person's words or ideas as his or her own.
- *Collusion* involves unauthorized collaboration with another person or group to commit any academically dishonest act.

Any act of academic dishonesty attempted by a UTEP student is unacceptable and will not be tolerated. Violations will be taken seriously and will be referred to the Office of Student Conduct and Conflict Resolution for possible disciplinary action. Students may be suspended or expelled from UTEP for such actions. You can find more information in the UTEP *Handbook of Operating Procedures*, under the heading "[4.14 Alleged Student Scholastic Dishonesty](#)," and in the [Regents' Rules and Regulations](#).

Effective Electronic Communication

It is important to share a word of caution so that we can become wiser about interpersonal distance learning communications. In an online environment, many of the feelings or impressions that are transmitted through body language in face-to-face communications are lost. Consequently, interpreting emotions and innuendos can be difficult. Only what is written, or

drawn, carries the message. Often, excitement can be misinterpreted as anger or insult. We all need to keep this in mind as we communicate.

Words in print may seem harmless, but they can emotionally injure us when working at a distance. Hence, we must be conscious of how we communicate while working at a distance and use good *netiquette*, that is, **online communication etiquette**. For example, your classmates might not know who is posting a comment, so you should clearly identify yourself when posting to a discussion board. Furthermore, avoid using all capital letters in electronic communication, because all caps come across as shouting.

The standard netiquette for participation in networked discussion requires that all comments focus on the topic at hand, without becoming personalized, and be substantive in nature. In other words, you certainly can disagree with others, but you must do so respectfully. You can express strong beliefs or emotions, but you cannot get so carried away that you lose all perspective on the course itself.

You can find more information on netiquette, the etiquette of Internet communication, at www.albion.com/netiquette.

Disability Statement

If you have a disability and need classroom accommodations, please contact The Center for Accommodations and Support Services (CASS) at 747-5148, or by email to cass@utep.edu, or visit the office located in UTEP Union East, Room 106.

For additional information, please visit the CASS website at www.sa.utep.edu/cass.