CHEMISTRY 1307 Introduction to General Chemistry - 24355
Spring 2023
12:00 pm - 1:20 pm TR; UGLC 220

- Stipulations in this syllabus are subject to modification during the semester.
- All changes to the syllabus (if any) will be discussed in class and posted on the course Blackboard site.

I. Instructor: Wen-Yee Lee, Ph.D., Professor, Dept. of Chemistry & Biochemistry
Office: CCSB 2.0110 Email: wylee@utep.edu
Office hours: Thursdays 10 am to 11:50 am and by appointment

II. Required Course Materials:

1. **Textbook**: Top Hat's General Chemistry interactive text
2. **Classroom response system - TopHat**: We will be using the TopHat (www.tophat.com) classroom response system in class. You will be able to submit answers to in-class questions using Apple or Android smartphones and tablets, laptops, or through text message.

   You can visit the Top Hat Overview (https://success.tophat.com/s/article/Student-Top-Hat-Overview-and-Getting-Started-Guide) within the Top Hat Success Center which outlines how you will register for a Top Hat account, as well as providing a brief overview to get you up and running on the system.

   An email invitation has sent to you. If you did not receive the email, you can register by simply visiting our course website: https://app.tophat.com/e/063232. **Note: the Course Join Code is 063232.**

   Should you require assistance with Top Hat at any time, please contact their Support Team directly by way of email (support@tophat.com), the in-app support button, https://support.tophat.com/s/contact-main, or by calling 1-888-663-5491. Or, visit https://support.tophat.com/s/ for online support.

3. **Packback**

   Packback Questions is an online community where you can be fearlessly curious and ask open-ended questions to build on top of what we are covering in class and relate topics to real-world applications.

   Packback Requirements:

   In order to receive your points (10 pts) per week, you should submit the following per each deadline period:

   - ✓ 1 open-ended Question per week with a minimum Curiosity Score of 50.
   - ✓ 2 Responses per week with a minimum Curiosity Score of 50.
   - ✓ Half credit will be provided for questions and responses that do not meet the minimum curiosity score.
   - ✓ Deadline for submissions: Every Monday at 11:59 MST.

   How to Register on Packback:

   An email invitation will be sent to you from help@packback.co prompting you to finish registration. If you don't receive an email (be sure to check your spam), you may register by following the instructions below:

a) 1. Create an account by navigating to https://questions.packback.co and clicking "Sign up for an Account". Note: If you already have an account on Packback you can log in with your credentials.

b) Then enter our class community's lookup key into the "Looking to join a community you don't see here?" section in Packback at the bottom of the homepage. Community Lookup Key: b40b246f-6e57-4eed-a5e0-b1d1d501f044

c) Follow the instructions on your screen to finish your registration.

d) Packback may require a paid subscription. Refer to www.packback.co/product/pricing for more information. Please reach out to Dr. Lee (wylee@utep.edu) if you have financial difficulty.

How to Get Help from the Packback Team:

a) If you have any questions or concerns about Packback throughout the semester, please read their FAQ at help.packback.co. If you need more help, contact their customer support team directly at help@packback.co.

b) For a brief introduction to Packback Questions and why we are using it in class, watch this video: https://vimeo.com/163888277.

III. Objectives:

This is the first semester of Introductory Chemistry, an introduction to chemistry for non-majors and pre-health students. The laboratory (Chem 1107) is an integral part of the course and must be taken at the same time.

The objectives of this course are to present the fundamental principles of chemistry upon which subsequent course work is built. We will go over basic concepts in Chemistry such as atomic and molecular structure, the periodic table and periodicity, chemical stoichiometry, reactions (precipitation, acid-base, and redox), and properties of gases, liquids, and solids. Laboratory experiments are designed to support the lecture topics.

Upon successful completion of this course, students should:

- Explain chemical and physical processes based on macroscopic properties and at the molecular level.
- Classify matter by its state and bonding behavior using the Periodic Table as a reference.
- Solve quantitative chemistry problems and demonstrate reasoning clearly and completely.
- Integrate multiple ideas in the problem solving process.

IV. Evaluation:

1. **Exams: 400 points**

   A) There will be two exams in the semester (100 pts each); and
   B) Final Exam (200) points

   No makeup of examinations will be provided unless approved by the instructor prior to the exams. Valid absences for University related activities (e.g. out-of-town research presentations, sporting events) must be arranged **prior** to the date of the respective examination. Please consider carefully the repercussions of making other commitments that coincide with exam days. Official documents are required for any exam rearrangement.

2. **Reading Assignment (on TopHat): 150 points**

   You are required to read the content and answer in-text questions for each chapter.

3. **Online homework (on TopHat): 200 points**

   Online homework for each chapter will be assigned on Tophat.

4. **In-class Quizzes: 100 points**

   Short quizzes will be administered in the class using Tophat classroom response system. You can potentially attend remotely.

5. **Packback: 150 pts (10 pts each week).**

Total grade points will be rounded to the closest integer. Expected grade breakdowns are:

A - >= 900
B - 899 – 800
C- 799 – 700
D - 699 – 600
F - <= 599

V. What do I expect from you?

- Review the chapter before the lecture.
- Come to class and take good notes and study them for the exams.
- Finish the online homework on time.
- Ask questions during the class or office hours when you do not understand the contents.
- Bring a calculator and a Periodic Table to every class and exam.
- Check out the Blackboard site of this class for any announcement.
- Do your best so you will be proud of the effort you have put into the course.

VI. What can you expect from me?

- Every lecture will be prepared so that you will not waste your time, $, and energy for taking this class.
- Help will be available to help you learn the materials.
- Grading will be fair. **I DO NOT "CURVE".** So, please don't ask me again.
- Be ready to be challenged intellectually.

VII. Others:

- You will need a calculator for these exams, preferably one with a logarithm key but no other electronic equipment. Cell phones, iPods or laptops are NOT permitted in the exam. If you have them with you, they must be kept in a bag and turned off. Please no caps and hats during exams.
- The syllabus is subject to change. However, any changes to this syllabus and the course will be announced in class and posted online. You are solely responsible for getting the most updated information regarding to the class.

VIII. Academic honesty:

Materials (written or otherwise) submitted to fulfill academic requirements must represent a student's own efforts. Any act of academic dishonesty attempted by a UTEP student is unacceptable and will not be tolerated. 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. Violations will be taken seriously and will be referred to the Dean of Students Office for possible disciplinary action. Students may be suspended or expelled from UTEP for such actions.

IX. Students with Disabilities:

Student with a disability can contact **The Center for Accommodations and Support Services (CASS)** to take exams with appropriate accommodations. The office is located in Room 106 Union East Building and can be contacted at (915) 747-5148 Voice/TTY, (915) 747-8712 Fax or at cass@utep.edu. If you have or believe you have a disability, you may do so by providing documentation to the Office of disabled Student Services.

X. Course Withdrawal Policy

Classes dropped prior to the official census date will be deleted from the student's semester record. After this date, the University permits any student to drop with an automatic "W" by the course dropping deadline. After this date, students who withdraw must receive grades of "F".

The UTEP Spring 2023 drop deadline is March 30, 2023. The College of Science will remain aligned with the University and not approve any drop requests after the withdrawal deadline.

All grades of Incomplete must be accompanied by an Incomplete Contract that has been signed by the instructor of record, student, departmental chair, and the dean. Although UTEP will allow a maximum of one year to complete this contract, the College of Science requests it be limited to one month based upon completion data. A grade of Incomplete is only used in extraordinary circumstances confined to a limited event such as a missed exam, project, or lab. If the student has missed a significant amount of work (e.g. multiple assignments or tasks), a grade of Incomplete is not appropriate or warranted.

Calendar: The content is tentative and subject to change.

Week	Contents	Note
1. (1/16-1/20)	Introduction Chapter 1. The Basics of Chemistry	
2. (1/23-1/27)	Chapter 1. The Basics of Chemistry Chapter 2: Matter at the Atomic Level	
3. (1/30-2/3)	Chapter 2: Matter at the Atomic Level	2/1 Census Day
4. (2/6-2/10)	Chapter 3: Molecules, Compounds, and Their Composition	
5. (2/13-2/17)	Chapter 3: Molecules, Compounds, and Their Composition	
6. (2/20-2/24)	**Exam 1, Chapters 1 - 3 (2/21 Tuesday)** Chapter 4: Chemical Reactions and Stoichiometry	
7. (2/27-3/3)	Chapter 4: Chemical Reactions and Stoichiometry	
8. (3/6-3/10)	Chapter 5 Thermochemistry	
9. (3/13-3/17)	Mar 13-17 Spring Break	
10. (3/20-3/24)	Chapter 5 Thermochemistry	
11. (3/27-3/31)	Chapter 10 Gases	**3/30 Course drop deadline**
12. (4/3-4/7)	Chapter 10 Gases **Exam 2, Chapters 4, 5, 10 (4/6 Thursday)**	
13. (4/10-4/14)	Chapter 12 Solutions	
14. (4/17-4/21)	Chapter 12 Solutions	
15. (4/24-4/28)	Chapter 15 Acids and Bases	
16. (5/1-5/5)	Chapter 11 Liquids, Solids, and Intermolecular Forces	5/4 Last day of classes. 5/5 Dead Day
17. (5/8-5/12)	**Final Exam Thursday, 5/11 1 pm – 3:45 pm**	