CHEMISTRY 1407 Introductory Chemistry (C) - 25105
Spring 2017
10:30 am - 11:50 am TR UGLC 116

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

I. Instructor: Wen-Yee Lee, Ph.D., Associate Professor, Chemistry
Office: CCSB 2.0110 Email: wylee@utep.edu
Office hours: M 2:00 – 3:00 pm; or by appointment

II. Prerequisite: Math 3011, Intermediate Algebra, is a prerequisite that may be taken concurrently.

III. 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 at https://success.tophat.com/s/article/Student-Top-Hat-Overview-and-Getting-Started-Guide which outlines how you will register for a Top Hat account, as well as providing a brief overview to get you started to use the system.
   - An email invitation will be sent to you by email, but if don't receive this email, you can register by simply visiting our course website: https://app.tophat.com/e/657922. **Note: The Course Join Code is 657922**
   - 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, or by calling 1-888-663-5491.

IV. Objectives:

This is the first semester of Introductory Chemistry, an introduction to chemistry for non-majors and pre-health students. The laboratory 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.

V. Evaluation:

1. Exams: 300 points

There will be 3 exams in the semester.

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. Tophat In-Class Questions: 300 points

- **a. Online homework**
- **b. In-class Quizzes**
- **c. Reading Assignment**

3. Final Exam: 200 points

4. Laboratory: 200 points

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

Grade Breakdown:

1000	**-----**	**888**	**-----**	**788**	**-----**	**688**	**-----**	**588**	**-----**	**0**
	A		**B**		**C**		**D**		**F**	

VI. 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.
- Work on the problems of each chapter and seek clarification if necessary.
- Ask questions during the class or office hours when you do not understand the contents.
- Bring a calculator and a Periodic Table to class.
- 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.

VII. What can you expect from me?

- Every lecture will be prepared so that you will not waste your time, $, and energy in 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.

VIII. 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 exams. 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.

IX. 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.

X. Students with Disabilities:

Student with a disability can contact **Disabled Student Services** 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 dss@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.

XI. 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 2017 drop deadline is March 30, 2017. The College of Science will remain aligned with the University and not approve any drop requests after that date.

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	Date	Contents	Note
1.	1/17-1/20	Introduction Chapter 1. The Basics of Chemistry	1/17 Classes begin
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 2: Matter at the Atomic Level **Exam 1, Chapters 1, 2 (2/9 Thursday)**	
5.	2/13 – 2/17	Chapter 3: Molecules, Compounds, and Their Composition	
6.	2/20 – 2/24	Chapter 3: Molecules, Compounds, and Their Composition	
7.	2/27 – 3/3	Chapter 4: Chemical Reactions and Stoichiometry	
8.	3/6 – 3/10	Chapter 4: Chemical Reactions and Stoichiometry	
9.	3/13 – 3/17	**Spring Break, No Class**	
10.	3/20 – 3/24	**Exam 2, Chapters 3, 4 (3/21 Tuesday)** Chapter 5 Thermochemistry	Freshmen Mid-terms grades due
11.	3/27 – 3/31	Chapter 5 Thermochemistry	**3/30 Course drop deadline** 3/31 Cesar Chavez Day
12.	4/3 – 4/7	Chapter 10 Gases	
13.	4/10 – 4/14	Chapter 10 Gases	4/14, Spring Study Day, No Class
14.	4/17 – 4/21	**Exam 3, Chapters 5, 10 (4/18 Tuesday)** Chapter 11 Liquids, Solids, and Intermolecular Forces	
15.	4/24 – 4/28	Chapter 11/Chapter 12 Solutions	
16.	5/1 – 5/5	Chapter 12 Solutions	5/4, Complete Withdrawal 5/5 Dead Day
17.	**5/8 – 5/12**	**Final Exam Thursday, Thursday, May 11th 10:00 am – 12:45 pm**	