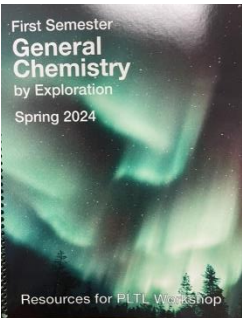
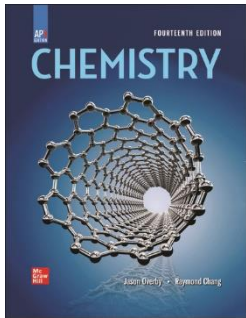




College of Sciences
Department of Chemistry and Biochemistry
Syllabus

Course name:	General Chemistry
Course no.:	CHEM 1305
Course CRN:	21445
Semester/year	Spring 2024
Undergraduate credit hours:	3
Class location:	UGLC 128
Class meeting time:	M-W-V 8:30am-9:20 am
Class instructor:	J. Angel Hernandez-Viezcas
Contact methods:	UTEP Email, Blackboard messages, or conference through Zoom
Email:	jahernandez19@utep.edu
Office hours:	By appointment at CCSB 3.0502 or Zoom meeting
Preferred contact method:	Email
Assigned TA:	TBD
Prerequisites	<ul style="list-style-type: none">• Passed or be concurrently enrolled in Math 1508 or• Have achieved an SAT Math score of 600 or better.
Course description And major learning objectives:	<p>This course is the first part of General Chemistry for scientists, engineers, and pre-medical students. Students in the class will gain fundamental knowledge in atomic and molecular structure, nomenclature, physical and chemical changes of matter, chemical reactivity, chemical bonding, quantitative chemical calculations, thermo chemistry and the properties of gases. Specifically, students will be able to:</p> <ol style="list-style-type: none">1. Describe, explain, and model chemical and physical processes at the molecular level in order to explain macroscopic properties.2. Classify matter by its state and bonding behavior using the Periodic Table as a reference.3. Solve quantitative chemistry problems and demonstrate reasoning clearly and completely.4. Integrate multiple ideas in the problem solving process.5. Learn how to work successfully in teams to solve challenging chemical problems.6. Learn how to argue persuasively but respectfully about chemical concepts.7. Practice oral reporting out to their entire Workshop, thus gaining confidence in public speaking and to reinforce retention of knowledge.
Requirements:	<p>This CHEM 1305 course has two required components (for one grade). All students must register for both:</p> <p>(1) <i>CHEM 1305 Lecture</i>. Meets 3 days a week for 50 minutes each time. It is listed as a 3-credit hour course.</p> <p>(2) <i>CHEM 1305 Workshop</i>. Meets one day per week for two hours. It is a zero credit-hour course. You should be enrolled in a workshop that has the same professor as your lecture section.</p> <ul style="list-style-type: none">• You must be enrolled in both the lecture and workshop. Both are labeled "CHEM 1305". Workshops meet during the first week of classes. Attendance is required.

<p>Required textbooks:</p>	<p>Required First Semester General Chemistry By Exploration Spring 2024 Resources for PLTL Workshop Lead for America Corporation ISBN: 9781943668359 Where to get it: (1) through the UTEP bookstore, and (2) online through https://PLTLbooks.org. Supplemental (Optional) Chang, Chemistry, AP Edition, ©2023, 14e By Chang and Overby W. H. Freeman McGraw Hill</p>  
<p>Required and Supplemental readings:</p>	<p>Students will be required to review supplementary posted materials on the Blackboard Learn® platform.</p>
<p>IClicker</p>	<p>We will use the <i>IClicker-Classroom Response System</i>, UTEP has purchased the license therefore it should have no cost to the students. https://www.utep.edu/technologysupport/_Files/docs/iClicker-Cloud-Software-Installation.pdf</p>
<p>Course requirements:</p>	<p>Time commitment is essential to complete the course requirements. All of the material reviewed during class can be evaluated during examinations. Make sure you understand all that is reviewed during class, many topics are interconnected and failure to understand one will affect the understanding of other topics. If you don't understand a concept please ask questions or arrange a meeting with the professor.</p> <p>All students are required to have access to a computer that connects to the internet and a working UTEP e-mail account (@miners.utep.edu). Other e-mail systems should not be used for this course. If you do not own a computer, you can make use of several computer labs on campus or apply for a long-term laptop loan at the library. For information on how to log in or connect to the VPNnet, contact the UTEP Help Desk at (915) 747-4357 (HELP) or helpdesk@utep.edu, or check their information page https://www.utep.edu/technologysupport/learningremotely.html. Students are expected to be able to use Blackboard® email, chats, and discussion boards, as well as perform internet searches, study independently, and have good time management skills. Similarly, it is anticipated that students know how to use word processing, spreadsheet, and visual media software, as well as the capability to open pdf-type files, store all course assignments and, if necessary, submit them electronically through the Blackboard® Learn platform.</p> <p>We will have face to face exams. In exceptional ocatons the class will have an online exam. For online exams please Download Lockdown Browser (www.respondus.com/lockdown/download.php?id=586140509). It is the student's responsibility to ensure they have all the software and connectivity requirements.</p> <p>Students will not be allowed to re-submit an assignment or quiz, NO EXCEPTIONS.</p>
<p>Assessment strategies:</p>	<p>Attendance: Attendance in workshops is required and is a significant part of your grade. Attendance in lecture is strongly recommended but not required. Extra credit will be awarded to students who come to 100% of lectures.</p> <p>Assistance and in class participation: During the lecture there will be questions that will be answered through IClicker.</p> <p>Assignments and quizzes: Homework will be assigned through Blackboard. The lecture and the workshop have different Homeworks, please check Blackboard for assignments.</p>

Midterm Exams: There will be four examinations during the semester. The material covered is accumulative. E.g. concepts from the first examination might be asked during the second examination. No makeup of examinations will be provided. When valid absences are expected in advance, and qualified arrangements are made at least 7 days prior to an exam, the instructor may approve taking an exam early. That is you can take the exam early but not late. Valid absences are only for proven University related activities (e.g. out-of-town research presentations, sporting events, and other issues pre-arranged with the professor) and must be arranged with the professor at least 7 days prior to the date of the respective examination. I will work with you on taking the exam early, if you have a time conflict.

Final Exam: material reviewed during the semester

For every examination:

- A regular non-programmable scientific calculator is required. Programmable types like TI-83, TI-84, TI-89, etc are not permitted in the exam. See Blackboard for suggestions.
- NO CELL PHONES, tablets, computers, ear buds, smart watches, OR OTHER ELECTRONIC DEVICES MAY BE USED DURING EXAMINATIONS.
- Exams are closed book. No access to notes or photos is allowed during the exams.
- We will be using a special answer sheet for recording multiple choice answers on exams. It is NOT a SCANTRON (green). The correct type of answer sheets will be provided in class during the exams as needed.

Extra Credit: 100% attendance will give you extra credit

No extensions, re-scheduling, or re-taking of examinations, quizzes, and other assessments will be allowed without a University-approved excuse.

Grading scale & criteria:

Grading Scale:

- >90 % = A
- 80-89% = B
- 70-79% = C
- 60-69% = D
- <60% = F

Grading Components:

Coursework & Examinations:	Weighted Value
• Workshop	20%
• Participation and Homework	15%
• Examinations 4 total (Best 3 will be averaged)	40%
• Final Exam	25%
• Extra credit (attendance)	3%

Dropping & Grading policies for dropping the course, withdrawals, and incomplete:

Students may drop individual courses or completely withdraw from the university, and grades are based on when the actions are taken. Refer to the online Academic Calendar at www.utep.edu/calendar or the “Important Dates” section to know the specific deadline dates.

a) **Student-initiated Drops:** It is the student’s responsibility to officially drop a course that she/he no longer wishes to take. Failure to do so may result in a grade of “F” on the student’s academic record. Athletes must receive permission from the Miner Athletic Advising Center before dropping a course. International students with F or J visas must receive permission from the Office of International Programs before dropping a course.

- b) **Administration Drops:** During registration periods for upcoming semesters, students will be dropped from registered courses for failure to meet prerequisites or co-requisites after final grades have been posted for the current semester and before beginning late registration for the next semester. A student may petition the department chair of the course in question for a prerequisite or co-requisite waiver.
- At the instructor's discretion, a student may be dropped from a course because of lack of effort. Students may also be administratively withdrawn from a course during the semester for other reasons, with the concurrence of the academic dean or department chair. A grade of "W" will be assigned before the course drop deadline and a grade of "F" after the course drop deadline. A grade of "F" received due to disciplinary action imposed by the University overrides a grade of "W" received through a student-initiated or faculty drop. Students will be notified of their drop through their UTEP e-mail account.
- c) **Grade Assignment for Drops and Withdrawals:** Grades will be assigned as follows when a student drops a course or completely withdraws from the University:
1. If a student drops a course before the official census date of a semester, neither the course nor a grade will appear on the student's academic record.
 2. If a student drops from a course after the census date, but before the student-initiated course drop deadline listed in the Class Schedule, a grade of "W" will be assigned.
 3. If the student drops after the student-initiated course drop deadline, instructors will determine a grade of "W" or "F" for each course. A grade of "W" is considered only under exceptional circumstances and must be approved by the instructor and department chair for the course. A student may petition for a grade of "W" in writing with the necessary supporting documentation.
- Incomplete course work:** An "I" (incomplete grade) can only be considered if requested by the student in advance of the conclusion of the course and only for legitimate, documented exceptional circumstances/emergencies after you have completed at least half of the course requirements. Failure to request and negotiate the terms of an "Incomplete" grade before the conclusion of the course will result in denial except in the most extraordinary circumstances.

Course/Instructor & Institutional Policies

Attendance: **The University requires that students comply with a minimum of 80% attendance.** Attendance is mandatory, an important component required in this course, and is determined by online class participation (IClicker). In this regard, online courses are no different than traditional face-to-face courses; however, attendance must be considered differently.

Exceptions will be made in the case of University excused absences (sponsored activities approved by the Dean of students). You will only be able to make up for activities, exams, or assignments (scheduled or unscheduled) in the case of University excused absences (sponsored activities approved by the Dean of students).

Calendar:	Week No.	Monday	Wednesday	Friday	Note
	1 Ch 1&2	MLK No Class	01/17 Introduction and syllabus	01/19	
2 Ch 1&2	01/22	01/24	01/26		
3 Ch 3	01/29	01/31	02/02		
4 Ch 3	02/05	02/07	Exam 1		
5 Ch 4	02/12	02/14	02/16		
6 Ch 4	02/19	02/21	02/23		
7 Ch 5	02/26	02/28	03/01 Exam 2		
8 Ch 5	03/04	03/06	03/08		

		03/11 No Class	03/13 No Class	03/15 No Class	Spring Break	
	9 Ch 6	03/18	03/20	03/22		
	10 Ch 6&7	03/25	03/27 Exam 3	03/29 CC No Class	03/28 Drop deadline	
	11 Ch 7&8	04/01	04/03	04/05		
	12 Ch 8	04/08	04/10	04/12		
	13 Ch 9	04/15	04/17	04/19 Exam 4		
	14 Ch 9&10	04/22	04/24	04/26		
	15 Ch 10	04/26	05/01	05/06 Final Exam 10:00am- 12:45pm		
Laboratories:	CHEM 1105 Laboratory is a separate course with a different instructor. CHEM 1105 is not Workshop and Workshop is not CHEM 1105. Workshop is an integral part of CHEM 1305. The content and experience in CHEM 1105 laboratory is also designed to enhance the materials covered in lectures for CHEM 1305 and is therefore highly recommended.					
Group work:	Assignments will be individual work.					
Workshop office hours:	The Team of Workshop Peer Leaders (PLs) have many office hours every day of the school week. The actual hour and location of all the office hours will be announced in the workshop and posted on Blackboard. Though each PL has their own specific office hours each week, you may consult with any Peer Leader during their office hours.					
Late assignments:	Homework and other assignments must be turned in when scheduled in order to be graded with 100% of the score points to be awarded. No extensions are granted for homeworks.					
Blackboard:	<p>Blackboard: Announcements, help files, and grade results will be made available using Blackboard. You are strongly advised to use the resources posted on Blackboard. Check often for content updates. To access Blackboard:</p> <ul style="list-style-type: none"> • Go to your my.UTEP.edu web page and choose Blackboard. You will need your email username and password. If you don't know your email username and password, call the HELP desk to request them. • Click on Blackboard. Go to your CRN 					
Accommodations for individuals with disability:	The University is committed to providing reasonable accommodations and auxiliary services to students, staff, faculty, job applicants, applicants for admissions, and other beneficiaries of university programs, services, and activities with documented disabilities to provide them with equal opportunities to participate in programs, services, and activities in compliance with sections 503 and 504 of the Rehabilitation Act of 1973, as amended, and the Americans with Disabilities Act (ADA) of 1990 and the Americans with Disabilities Act Amendments Act (ADAAA) of 2008. Reasonable accommodations will be made unless it is determined that doing so would cause undue hardship to the University. Students requesting accommodation based on a disability must register with the UTEP Center for Accommodations and Support Services (CASS). Contact the Center for Accommodations and Support Services at 915-747-5148, email them at cass@utep.edu , or apply for accommodations online via the CASS portal .					
Copyright statement for course materials:	All materials used in this course are protected by copyright law. The course materials are only for the use of students currently enrolled in this course and only for the purpose of this course. They may not be further disseminated.					

Student conduct and academic integrity:

Academic dishonesty is prohibited and considered a violation of the UTEP Handbook of Operating Procedures. Students are expected to be above reproach in all academic activities. Students who engage in academic dishonesty are subject to disciplinary penalties, including the possibility of failure in the course and dismissal from the university. “Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another student, possessing unauthorized materials during a test, or falsifying research data on laboratory reports, and any act designed to give an unfair advantage to a student or the attempt to commit such acts.” Regent’s Rules and Regulations, Part One, Chapter VI, Section 3.2, Subdivision 3.22. Since scholastic dishonesty harms the individual, all students, and the integrity of the University, policies on scholastic dishonesty will be strictly enforced. From the UTEP Dean of Student Affairs (<http://studentaffairs.utep.edu/Default.aspx?tabid=4386>).

Examples of “cheating” include:

- Copying from the homework, in-class work, or exam paper of another student, engaging in written, oral, or any other means of communication with another student during an exam or homework assignment, or giving aid to or seeking aid from another student during a test;
- Possession and/or use during an exam or home test of materials that are not authorized by the person giving the test, such as class notes, books, or specifically designed “crib notes”;
- Using, obtaining, or attempting to obtain by any means the whole or any part of a non-administered test, test key, homework solution, or computer program; using a test that has been administered in prior classes or semesters but which will be used again either in whole or in part without permission of the instructor, or accessing a test bank without instructor permission;
- Collaborating with or seeking aid from another student for an assignment without authority;
- Substituting for another person, or permitting another person to substitute for one's self to take a test;
- Falsifying research data, laboratory reports, and/or other records or academic work offered for credit.

“**Plagiarism**” means the appropriation, buying, receiving as a gift, or obtaining by any means another's work and the unacknowledged submission or incorporation of it in one's own academic work offered for credit or using work in a paper or assignment for which the student had received credit in another course without direct permission of all involved instructors. NOTE: This includes cutting-and-pasting and photocopying from online and other material. “**Collusion**” means the unauthorized collaboration with another person in preparing academic assignments offered for credit or collaboration with another person to commit a violation of any provision of the rules on academic dishonesty.

Student resources:

UTEP provides a variety of student services and support. Familiarize yourself with the bookmarks on the right-hand side of the Blackboard student portal (visible before entering a course), as well as the resources below.

Academic Resources

- [UTEP Library](#): Access a wide range of resources, including online, full-text access to thousands of journals and eBooks, plus reference service and librarian assistance for enrolled students.
- [University Writing Center \(UWC\)](#): Submit papers here for assistance with writing style and formatting, ask a tutor for help and explore other writing resources.
- [Math Tutoring Center \(MaRCS\)](#): Ask a tutor for help and explore other available math resources.
- [History Tutoring Center \(HTC\)](#): Receive assistance with writing history papers, get help from a tutor and explore other history resources.
- [RefWorks](#): A bibliographic citation tool; check out the RefWorks tutorial, fact sheet, and quick-start guide.

- IClicker: https://www.utep.edu/technologysupport/_Files/docs/iClicker-Cloud-Software-Installation.pdf
- Individual Resources**
- [Military Student Success Center](#): Assists personnel in any branch of service to reach their educational goals.
 - [Center for Accommodations and Support Services](#): Assists students with ADA-related accommodations for coursework, housing, and internships.
 - [Counseling and Psychological Services](#): Provides various counseling services, including individual, couples, and group sessions, as well as career and disability assessments.
- Technology Resources**
- [Help Desk](#): Students experiencing technological challenges (email, Blackboard, software, etc.) can submit a ticket to the UTEP Help desk for assistance. Contact the Helpdesk via phone, email, chat, website, or in person if on campus.
Phone: 915-747-4357 (HELP) Email: helpdesk@utep.edu

Important dates:	<table style="width: 100%; border: none;"> <tr> <td style="width: 60%;">Classes Begin</td> <td style="text-align: right;">Jan. 16</td> </tr> <tr> <td>Census Day</td> <td style="text-align: right;">Jan. 31</td> </tr> <tr> <td>Spring Break</td> <td style="text-align: right;">Mar.11-15</td> </tr> <tr> <td>Drop Deadline</td> <td style="text-align: right;">Mar. 28</td> </tr> <tr> <td>Cesar Chavez Holyday</td> <td style="text-align: right;">Mar. 29</td> </tr> <tr> <td>Last Day of classes</td> <td style="text-align: right;">May 2</td> </tr> <tr> <td>Final Exam</td> <td style="text-align: right;">May 6</td> </tr> </table>	Classes Begin	Jan. 16	Census Day	Jan. 31	Spring Break	Mar.11-15	Drop Deadline	Mar. 28	Cesar Chavez Holyday	Mar. 29	Last Day of classes	May 2	Final Exam	May 6
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