

Introduction to General Chemistry Laboratory Syllabus

CHEM1107 UTEP

Summer 2023

Course and Instructor Information:

Instructor of Record: Dr. H. Patricio Del Castillo

Instructor's contact: hpdelcastil@utep.edu

Office hours: Upon request



TA's contacts:

TA's name	CRN	Time	Location	Email
Mahsa	34775	7:30 AM – 10:30 AM	PSCI 304	maghaei@miners.utep.edu
Yasaman	34776	1:00 PM – 4:00 PM	PSCI 304	ymohammadi@miners.utep.edu

Course description

UTEP CHEM1107 is an introductory course to the general chemistry laboratory. This course will prepare you to master the fundamental techniques in a chemistry laboratory.

Text and Materials:

- Scientific calculator
- Periodic table
- Computer where you can work on the online activities at the lab
- Microsoft Excel
- Personal Laboratory Notebook
- Lab Manual from Carolina: You may obtain your manual via UTEP's bookstore:
<https://www.bkstr.com/texaselpasostore/product/utep-chem-1107-lab-manual-item-581939v-custom-646065-1>

Course Requirements:

The final grade for the laboratory is composed of the following criteria:

Average of Prelabs – 33.3%

Average of Lab Reports – 33.3%

Average Attendance & Compliance – 33.4%

Prelabs: They are designed to test your knowledge on the topic and the experiment that you will perform in class. They will be presented as online quizzes on Blackboard's platform "Yuja", and they must be completed weekly one day before the session before 10:00 PM. You will have **two attempts** to complete your prelabs before the due date.

Lab Reports: They are designed for you to summarize the results obtained during your laboratory session. They will be presented as online quizzes on Blackboard, and they must be submitted weekly before 10:00 PM. Check the calendar of assignments for more information on the due dates. You will have **unlimited attempts** to submit or modify your reports before the due date; and only the last attempt will be graded.

Attendance and Compliance: One does not simply get 100 for showing up to class. The compliance component of this grade will be evaluated by your TA, and it will depend on: Your correct preparation for the experiment, your compliance with the facility's rules and responsibilities, your work etiquette, and your cleanliness during the experiment.

It is the student's responsibility to monitor his or her grade as the semester progresses. The grades will always be in display and updated for the student at all times!

Final Grading system:

Your activities will be graded on a basis of 0-100. By the end of the course, your accumulated grade will be translated to the corresponding letter grade using the following criteria:

A = 90 - 100

D = 60 - 69

B = 80 - 89

F = 0 - 59

C = 70 - 79

Course Policies

Safety: The first session of the semester will be the “safety training”. You are expected to comply with the indications of this session throughout the semester. Failing to do so will result in a penalization of your grade or even your expulsion from the laboratory with an attendance and lab report grade of 0 for your session.

Attendance:

- 1) Showing up to lab 20 minutes after the scheduled date will deduct 20 points from your attendance’s grade. Students will be asked to leave the classroom with an attendance and lab report grade of 0 if they show up to class 31 minutes after the session has started.
- 2) There are only two CHEM1107 labs happening simultaneously during the Summer. Only under certain circumstances will an attendance/lab report grade of a student can be made up by showing up to the other session or exempted altogether. Make sure to notify your instructor about any potential absence during the semester on time; and he will suggest a potential solution for you.
- 3) A student may only pass the class if she or he has been present to **at least 70%** of the laboratory sessions. This includes students with justified absences.
- 4) Students who did not show up to class may not be included in lab reports of teams of students who did show up to class! You must contact your TA and instructor right away so that they can come up with a solution for you.

Late policy: The success for this class relies mostly on your attendance to class and the completion of your online activities on time. There are only two instances in which the instructor will grant an exemption/extension of a grade for lab report and/or attendance:

- 1) An instance regarding an infectious disease or a situation that physically incapacitates you from attending your class. Medical and/or other type of valid evidence must be provided for this. **The evidence must be official, and it must contain the date to be considered.**
- 2) An instance regarding an athletic or academic event. It will be 100% your responsibility to notify your instructor about this instance with enough time. Official letters and emails from your coach or academic representative is enough valid proof.

There are only two instances in which the instructor will allow you to work outside of your scheduled times for online prelab activities:

- 1) An instance regarding a situation that physically incapacitates you from working from home, and/or at UTEP's computer laboratories (refer to the location of these facilities in the syllabus). Medical and/or other type of valid evidence must be provided for this. **The evidence must be official, and it must contain the date to be considered.**
- 2) A malfunction related to Blackboard that was detected and addressed with the helpdesk before due dates during regular office hours. Students who experience malfunctions from Blackboard close or during the due date of an activity **will not** be considered for an extension. If you decide to submit a prelab or lab report 10 minutes before the due date, then this is the risk.

Other than this, there will be **NO EXCEPTIONS** for any late submissions or absence to class.

Technical support at UTEP:

UTEP offers many technical support services that will assist you in completing your activities during the semester:

- 1) UTEP offers working spaces that are open to the students. Get familiar with the times and location of the workplaces by accessing the following link: https://www.utep.edu/technologysupport/ServiceCatalog/COMP_ComputerPrintingLabs.html.
- 2) UTEP offers the possibility to lend technological gadgets in the event of any loss during the semester. Email the helpdesk for more information.
- 3) Any technical difficulty related to your webmail or Blackboard's functions is solved through the helpdesk.

Contact the helpdesk for more information: helpdesk@utep.edu. **Make sure to always contact them during office hours to maximize your chances to get a reply!**

Calendar of activities:

Monday	Tuesday	Wednesday	Thursday	Friday
June - 12	13	14	15	16
	Experiment 1 Safety Training		Experiment 2 Introduction to Graphing	
19	20	21	22	23
INSTITUTIONAL HOLIDAY	Experiment 3 Scientific Method	Experiment 4 Exploring Density	Experiment 5 Chemical Reactions	
26	27	28	29	30
	Experiment 6 Stoichiometry	Experiment 7 Fundamentals of Calorimetry	Experiment 8 Gases	
July - 3	4	5	6	7
	INSTITUTIONAL HOLIDAY	Experiment 9 Titration of Vinegar	Experiment 10 Efficacy of Antiacids	

Deadline for assignments:

Date	Activity	Prelab is due through Blackboard	Lab report is due through Blackboard
Tuesday, June 13 th	Experiment 1 – Safety Training	Syllabus Quiz due June 14 th before 10:00 PM through Blackboard	Safety Lecture Quiz due June 14 th before 10:00 PM through Blackboard
Thursday, June 15 th	Experiment 2 – Introduction to Graphing	The day before the experiment before 10:00 PM	Friday, June 16 th before 10:00 PM
Tuesday, June 20 th	Experiment 3 – Scientific Method Investigation	The day before the experiment before 10:00 PM	Friday, June 23 th before 10:00 PM
Wednesday, June 21 st	Experiment 4 – Exploring Density	The day before the experiment before 10:00 PM	
Thursday, June 22 nd	Experiment 5 – Investigating Chemical Reactions	The day before the experiment before 10:00 PM	
Tuesday, June 27 th	Experiment 6 – Stoichiometry and Percent Yield	The day before the experiment before 10:00 PM	Friday, June 30 rd before 10:00 PM
Wednesday, June 28 th	Experiment 7 – The Fundamentals of Calorimetry	The day before the experiment before 10:00 PM	
Thursday, June 29 th	Experiment 8 - Gases	The day before the experiment before 10:00 PM	
Wednesday, July 5 th	Experiment 9 – Titration of Vinegar	The day before the experiment before 10:00 PM	Friday, July 7 th before 10:00 PM
Thursday, July 6 th	Experiment 10 – Evaluating the Efficacy of Antacids	The day before the experiment before 10:00 PM	

***Experiments and dates are subject to changes based on the performance of the group**

UTEP Academic calendar:

Extracted from UTEP's official Website:

<https://www.utep.edu/student-affairs/registrar/Academic%20Calendars/academic-calendar.html>

Date	Event
June 12th	Spring classes begin
June 14th	Summer I Census Day; Last Day to Register for Summer I; Summer I Payment Deadline
June 19th	Juneteenth Holiday - University Closed
June 20th	Summer Full Term Census Day; Last Day to Register for Summer Full Term; Summer Full Term Payment Deadline
June 27th	Summer I Drop/Withdrawal Deadline Note: Student-initiated drops are permitted after this date, but the student is not guaranteed a grade of W. The faculty member of record will issue a grade of either W or F.
July 4th	Independence Day Holiday - University Closed
July 7th	Summer I - Last day of Classes
July 10th	Summer I Final Exams; Full Term classes do not meet
Aug 11th	Grades are due
Aug 13th	Grades are posted to student records; students are notified of grades and academic standing