

# Introduction to General Chemistry Laboratory Syllabus

CHEM1107

Spring 2024

## Course and Instructor Information:

**Instructor of Record:** Dr. H. Patricio Del Castillo

**Instructor's contact:** [hpdelcastil@utep.edu](mailto:hpdelcastil@utep.edu)

**Office location & hours:** PSCI 203-A - Upon request

**Technical support contact:** [helpdesk@utep.edu](mailto:helpdesk@utep.edu)



## TA's contacts:

TA's name	CRN	Time	Location	Email
Nasim	23873	Tuesday, 9:00 AM	PSCI 304	<a href="mailto:nrasafar@miners.utep.edu">nrasafar@miners.utep.edu</a>
	23901	Thursday, 9:00 AM	PSCI304	
Sisheed	23874	Wednesday, 8:30 AM	PSCI304	<a href="mailto:ssivaraman@miners.utep.edu">ssivaraman@miners.utep.edu</a>
	23902	Friday, 8:30 AM	PSCI304	

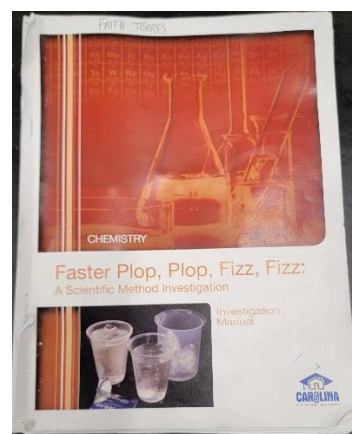
## Course description

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**
- One Lab Manual per team 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, every Friday 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; but 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 be in display and updated weekly!**

### **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) Making-up or exempting lab sessions is possible under certain circumstances. Make sure to notify your instructor about any potential absence during the semester **on time**. After evaluating your situation, he might authorize potential solutions 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. (The student who submitted the lab report risks losing 40 points on the lab report and attendance grades for collusion). Every week, the TA will confirm the assistance + lab report match to assign a grade.

**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. Do consider using the health center’s services located behind the Union Building at UTEP (link to the center: <https://www.utep.edu/chs/shc/>).**
- 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 locations 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 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, you will be at risk of losing the grade.

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](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. You can copy your instructor in this email so that he is aware of your situation.

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

## Calendar of activities:

Date	Activity	Prelab is due through Blackboard	Lab report is due through Blackboard
Week 1 Jan 15 <sup>th</sup> – 19 <sup>th</sup>	Experiment 1 – Safety Training	Syllabus Quiz due Friday, Jan 26 <sup>th</sup> before 10:00 PM through Blackboard	Safety Lecture Quiz due Friday, Jan 26 <sup>th</sup> before 10:00 PM through Blackboard
Week 2 Jan 22 <sup>nd</sup> – 26 <sup>th</sup>	<b>NO CLASSES TO REGULARIZE WITH THE LECTURE</b>		
Week 3 Jan 29 <sup>th</sup> – Feb 2 <sup>nd</sup>	<b>NO CLASSES TO REGULARIZE WITH THE LECTURE</b>		
Week 4 Feb 5 <sup>th</sup> – 9 <sup>th</sup>	Experiment 2 – Introduction to Graphing	The day before the experiment before 10:00 PM	Friday, Feb 9 <sup>th</sup> before 10:00 PM
Week 5 Feb 12 <sup>th</sup> – 16 <sup>th</sup>	Experiment 3 – Scientific Method Investigation	The day before the experiment before 10:00 PM	Friday, Feb 16 <sup>th</sup> before 10:00 PM
Week 6 Feb 19 <sup>th</sup> – 23 <sup>rd</sup>	Experiment 4 – Exploring Density	The day before the experiment before 10:00 PM	Friday, Feb 23 <sup>rd</sup> before 10:00 PM
Week 7 Feb 26 <sup>th</sup> – Mar 1 <sup>st</sup>	Experiment 5 – Investigating Chemical Reactions	The day before the experiment before 10:00 PM	Friday, Mar 1 <sup>st</sup> before 10:00 PM
Week 8 Mar 4 <sup>th</sup> – 8 <sup>th</sup>	Experiment 6 – Stoichiometry and Percent Yield	The day before the experiment before 10:00 PM	<b>Friday, Mar 22<sup>nd</sup> before 10:00 PM</b>
Week 9 Mar 11 <sup>th</sup> – 15 <sup>th</sup>	<b>NO CLASSES IN ACCORDANCE TO SPRING BREAK</b>		
Week 10 Mar 18 <sup>th</sup> – 22 <sup>nd</sup>	Experiment 7 – Qualitative Analysis*	The day before the experiment before 10:00 PM	Friday, Mar 22 <sup>nd</sup> before 10:00 PM
Week 11 Mar 25 <sup>th</sup> – 29 <sup>th</sup>	Experiment 8 – The Fundamentals of Calorimetry <b>Friday 29<sup>th</sup>, Cesar Chavez Day, NO CLASSES</b>	The day before the experiment before 10:00 PM	Friday, Mar 29 <sup>th</sup> before 10:00 PM
Week 12 Apr 1 <sup>st</sup> – 5 <sup>th</sup>	Experiment 9 – Titration of Vinegar	The day before the experiment before 10:00 PM	Friday, Apr 5 <sup>th</sup> before 10:00 PM
Week 13 Apr 8 <sup>th</sup> – 12 <sup>th</sup>	Experiment 10 – Evaluating the Efficacy of Antiacids	The day before the experiment before 10:00 PM	Friday, Apr 12 <sup>th</sup> before 10:00 PM
Week 14 Apr 15 <sup>th</sup> – 19 <sup>th</sup>	Experiment 8 – The Fundamentals of Calorimetry*	The day before the experiment before 10:00 PM	Friday, Apr 19 <sup>th</sup> before 10:00 PM

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

\*This experiment is not in your manual, but the instructor will provide the reading material for you to prepare for the prelab and lab report.

\*Due to Cesar Chavez's Holiday, Friday students will take experiment 8 on Friday Apr 19<sup>th</sup>. Their due dates for prelab and lab report will be different from other students.

## UTEP Academic calendar:

Extracted from UTEP's official Website: <https://www.utep.edu/student-affairs/registrar/Academic%20Calendars/academic-calendar.html>

<b>Date</b>	<b>Event</b>
<b>Jan 15<sup>th</sup> (Monday)</b>	<b>Dr. Martin Luther King, Jr. Holiday – University Closed</b>
<b>Jan 16<sup>th</sup></b>	Spring classes begin
<b>Jan 16<sup>th</sup>-19<sup>th</sup></b>	Late Registration (Fees are incurred)
<b>Jan 31<sup>st</sup></b>	Spring Census Day Note: This is the last day to register for classes. Payments are due by 5:00 pm.
<b>Feb 12<sup>th</sup></b>	20 <sup>th</sup> Class Day Note: Students who were given a payment deadline extension will be dropped at 5:00 pm if payment arrangements have not been made.
<b>Feb 16<sup>th</sup></b>	Graduation application deadline for degree conferral
<b>Mar 11<sup>th</sup>-15<sup>th</sup></b>	<b>Spring Break</b>
<b>Mar 20<sup>th</sup></b>	Freshman midterm grades are due
<b>Mar 28<sup>th</sup></b>	Spring Drop/Withdrawal Deadline Student-initiated drops are permitted after this date, but the student is not guaranteed a W. The instructor of record will issue a grade of either W or F.
<b>Mar 29<sup>th</sup> (Friday)</b>	<b>Cesar Chavez Holiday - No classes; Spring Study Day</b>
<b>Apr 12<sup>th</sup></b>	Deadline to submit candidates' names for commencement program
<b>May 2<sup>nd</sup></b>	Spring – Last day of classes
<b>May 3<sup>rd</sup></b>	<b>Dead day</b>
<b>May 6-10<sup>th</sup></b>	Spring Final Exams
<b>May 11-12<sup>th</sup></b>	Spring Commencement
<b>May 15<sup>th</sup></b>	Grades are Due
<b>May 16<sup>th</sup></b>	Grades are posted to student records; students are notified of grades and academic standing