Introduction to Organic and Biochemistry Laboratory

CHEM1108 Syllabus

Spring 2023

Course and Instructor Information:

Instructor of Record: Dr. H. Patricio Del Castillo

Instructor's contact: hpdelcastil@utep.edu

Office hours: Upon request

Technical support contact: helpdesk@utep.edu

Course description

UTEP CHEM1108 is a laboratory course divided into two parts: 1) The fundamentals of organic analysis for the identification of functional groups; 2) Characterization and/or applications of different molecules of biological relevance.

Class Materials:

- Scientific calculator
- Periodic table
- Computer where you can work on the online activities
- Lab coat and safety goggles (available at UTEP's bookstore)

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. **Prelabs will be available for you to complete every Monday before your scheduled session.**

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 on the day that you take your session before 10:00 PM. You will have **unlimited attempts** to submit or modify your reports before the due date.

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.

Optative Final Exam: Students who are at risk of failing the course, but very close to obtain a passing grade will be given a chance to take an optative final exam to pass the course. More information will be disclosed about this activity as the semester passes, but it will be an experimental exam in the laboratory where you will have to prove that you understood the principles of **organic analysis**.

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 your expulsion from the laboratory with a grade of 0 for your session.

Attendance: Showing up to lab 30 minutes after the scheduled date will deduct 20 points from your session's grade. Students will be asked to leave the classroom with an attendance grade of 0 if they show up to class 1 hour after. There are instances in which students are allowed to take "make-up" sessions in other dates; but always with your instructor's previous authorization.

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 allow you to work outside of your scheduled times:

1) An instance regarding an infectious disease (**attendance only**) or a situation that physically incapacitates you from attending your class, working from home, and/or at UTEP's computer laboratories (**refer to this section 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) 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.

For attendance and compliance grades, be aware that there are other CHEM1108 courses happening during the week, and the instructor may propose a make-up session for you before offering a complete exemption of your activity.

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.

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

Deadline for assignments:

Date	Activity	Prelab is due through Blackboard	Lab report is due through Blackboard
Week 1 Jan 16 - 20	**No Lab**	**N/A**	**General Chemistry Review Quiz due Jan 20th before 10:00 PM through Blackboard)**
Week 2 Jan 23 – 27	**Experiment 1** – Safety Training	**Syllabus Quiz due Jan 27th before 10:00 PM through Blackboard**	**Safety Lecture Quiz due Jan 27th before 10:00 PM through Blackboard**
Week 3 Jan 30 - Feb 3	**Experiment 2 –** Identification of Unsaturations	Wednesday, Feb 1st before 10:00 PM	Friday, Feb 3rd before 10:00 PM
Week 4 Feb 6 - 10	**Experiment 3 –** Identification of Alcohols	Wednesday, Feb 8th before 10:00 PM	Friday, Feb 10th before 10:00 PM
Week 5 Feb 13 – 17	**Experiment 4 –** Identification of Aldehydes and Ketones	Wednesday, Feb 15th before 10:00 PM	Friday, Feb 17th before 10:00 PM
Week 6 Feb 20 – 24	**Experiment 5 –** Preparation of Fragrances	Wednesday, Feb 22nd before 10:00 PM	Friday, Feb 24th before 10:00 PM
Week 7 Feb 27 - Mar 3	**Experiment 6 –** Synthesis of Azo Dyes	Wednesday, Mar 1st before 10:00 PM	Friday, Mar 3rd before 10:00 PM
Week 8 Mar 6 - 10	**Experiment 7 –** Analysis of the Lassaigne's Extract	Wednesday, Mar 8th before 10:00 PM	Friday, Mar 10th before 10:00 PM
Week 9 Mar 13 – 17	**No Classes in observance of Spring Break**		
Week 10 Mar 20 – 24	**Experiment 8 –** pH and indicators	Wednesday, Mar 22nd before 10:00 PM	Friday, Mar 24th before 10:00 PM
Week 11 Mar 27 – 31	**Experiment 9 –** Saponification **(Friday session on Mar 31st is a Holiday. Session will be online)**	Wednesday, Mar 29th before 10:00 PM	Friday, Mar 31st before 10:00 PM
Week 12 Apr 3 - 7	**Experiment 10 –** Detection of Reducing Sugars	Wednesday, Apr 5th before 10:00 PM	Friday, Apr 7th, before 10:00 PM
Week 13 Apr 10 – 14	**Optative Final Exam – April 14th during class time**		

***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
Jan 17th	Spring classes begin
Jan 17th-20th	Late Registration (Fees are incurred)
Feb 1st	Spring Census Day Note: This is the last day to register for classes. Payments are due by 5:00 pm.
Feb 13th	20th 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.
Feb 17th	Graduation application deadline for degree conferral
Mar 13th-17th	**Spring Break**
Mar 30th	Spring 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.
Mar 31st	**Cesar Chavez Holiday - No classes**
Apr 7th	Spring Study Day
Apr 14th	Deadline to submit candidates' names for commencement program
May 4th	Spring – Last day of classes
May 5th	**Dead day**
May 8-12th	Spring Final Exams
May 13-14th	Spring Commencement
May 17th	Grades are Due
May 18th	Grades are posted to student records; students are notified of grades and academic standing