

# GENERAL CHEMISTRY LAB I SYLLABUS CHEM 1105 UTEP

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## Spring 2020

Instructor of Record: Dr. Chu-Young Kim

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Office Hours: 7:30–9:00 AM on Wednesdays (or by e-mail appointment)

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### COURSE DESCRIPTION

The major objective of this laboratory course is to allow students to learn chemical concepts through hands on experiments. Students will master chemical principles and experimental methods for investigating the properties and reactions of chemical substances. Students will acquire experience in the use of analytical equipment, analyze and report data, and how to work safely in a chemical laboratory.

Another objective of this course is to prepare you for higher level courses through analytical thinking; this course is about making observations, analyzing the data and combining it with your observations to come to a valid conclusion.

### REQUIRED MATERIAL

General Chemistry Lab Manual 1105/1106 2019-2020 Edition  
ISBN 978-1-5339-1299-2

- Chemical Splash goggles and Lab coat.
- Equipment: USB thumbnail drive and scientific calculator.

## SAFETY

Chemistry laboratories can be hazardous if the rules are not followed. Most accidents that occur in the chemistry laboratory are a result of carelessness, impatience, unauthorized experimentation, and disregard for safety rules.

### Laboratory Apparel

- **Splash goggles are required in the laboratory AT ALL TIMES!** Splash hazards are perhaps the most significant danger present in the lab, and eyes are extremely sensitive.
- Laboratory coats must be donned at all times.
- Sandals, open-toed shoes and high heels are not permitted in the lab.
- Shorts are not permitted in the lab, long pants and long sleeves are mandatory. Your clothing will be your protection from direct exposure of the skin to chemical splash.
- Long hair is to be constrained. Long hair is subject to fire and contact with chemicals.
- No iPod neither cell phone will be permitted in the laboratory at any time.

### Safety Equipment

- Identify all of the laboratory safety equipment and their location: the fire extinguisher, the emergency eyewash stations, the fire blankets, and the safety shower.
- Safety Data Sheets (SDS's) are available to you on request only.

## ATTENDANCE

Attendance is mandatory. You are expected to be on-time and ready for lab at the beginning of each lab period.

**If you miss an experiment, there will be no make-ups available, unless you have an emergency (you need to show proof) or a university-sanctioned event.**

If necessary, a student may miss **and** make-up a **maximum of 2 laboratory sessions** in the semester (if there is proof of a valid emergency/event). Every other missed session will be deducted from the grade and no more make-ups will be allowed.

## LAB RULES

- Upon entry to the lab, students must be properly attired, including splash goggles.
- Once everyone is admitted into the lab, the TA will give a presentation to inform students about lab procedure, materials and safety hazards.
- All lab reports are due at the end of the lab period unless otherwise specified. Data sheet or spreadsheets are to be complete in the lab, following the instructions provided during the lab period.
- The student is responsible for cleaning the work space and any assigned lab areas before leaving the lab.
- Failure to follow the Lab rules will affect student grades.

## PRE-LABS AND REPORTS

Pre-Lab preparation is a key to success, it will consist of questions and problems directed to understanding the lab procedure, and student must understand the lab experiments thoroughly before starting the chemical experiments.

Lab reports will reflect precision and detailed observation concluding the assigned experiments; there may be additional questions to be answered at the end of the report form.

## QUIZZES

The quizzes will be deployed in Blackboard, the use of Respondus monitor is mandatory. Quizzes will last 10-15 minutes. Missed quizzes cannot be made-up. You can take the quizzes in UTEP library or in your home.

## FINAL EXAM

Student will be tested on his knowledge of the appropriate use of equipment, safety, observations of reactions and obtaining conclusions.

Final Exam will be deployed in Blackboard the last week of classes.

**COURSE  
EVALUATION**

Student grade will be based in lab reports, pre-lab work, quizzes and a final exam.

**ACADEMIC  
DISHONESTY**

UTEP rules will be strictly enforced, academic dishonesty including but not limited to cheating, plagiarism, data falsification will not be tolerated. Minor incidences will result in a score of zero for the lab period and recurrence will result in the failure of the course. Please review the UTEP Academic Integrity Policy in the following link <http://sa.utep.edu/osccr/academic-integrity/>

**DISABILITY  
ACCOMODATIONS**

UTEP is committed to provide an educational environment that is accessible to all students, those that need accommodations for a disability, please contact The Center for Accommodations and Support Services (CASS), located at Union Building East Room 106, or visiting its website <http://sa.utep.edu/cass/home> for an appointment to discuss your needs and the process for requesting accommodations.

### COURSE ASSESSMENT

Assessment Items	Points	Due Date
Quizzes online	10 points each = 100	Week of the experiment on Friday at 11:00PM.  No make-up quizzes are allowed.
Pre-Labs	10 points each= 100	Pre labs are due at the beginning of each class.  No late pre-labs will be accepted.
Lab reports	20 points each= 200	Lab reports must be completed before the lab session ends  No make-up labs are allowed.
Final exam	20 points= 20	Final exam is online
Lab safety	20 points= 20	Just follow the safety rules!
<b>TOTAL POINTS</b>	<b>440</b>	

Final Grade	Points	% Required
A	396-440	90%-100%
B	352-395	80%-89%
C	308-351	70%-79%
D	264-307	60%-69%
F	<264	<59%