

Coordinators: Dr. Mahesh Narayan and Dr. Geoffrey Saupe
Office: PSCI 207C
Off. Hrs: **9-10 AM daily**

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(Student please fill in your TA information below)

TA: _____ Phone: _____(optional)
Email: _____@miners.utep.edu Off. Hrs & Location: _____

Lab overview: A practical exercise in General chemistry techniques meant to familiarize the students with; physical properties of matter, molarity, pH, titrations, chemical bond energy and Gibbs free energy.

Class Meetings: MWF. Time dependent on class CRN (Please revise your class CRN)

Lab Text: General chemistry Lab manual for Chem 1106 (**Required**)
All work must be completed **IN PEN ONLY** work done in pencil will not be graded.
No photocopies of the lab notebook or hand written Notes will be accepted.

Requirements: Lab Coat, Splash Goggles (ANZI87.1 ONLY), closed toed shoes.
The student **cannot** enter the laboratory without the required materials and appropriate attire. (Refer to safety rules)
Suggested Materials: Scientific calculator, and Sharpie.

Course Grading: Final grades in the course will be determined as follows:
Quizzes 20%
Lab reports 30% Lab reports: { All letters and numbers must be legible.
Pre-Lab 20% { All reports must be complete
before the lab period end.
Lab 21 is your final exam and will count 30 % of your grade

Quizzes and Exams: Quizzes will be administered at the beginning of every lab period, quizzes **can not** be given at any other time. Quizzes will last 10-15 minutes and may cover material from the previous lab period, the lab experiment to be done and the chemical information of reagents. Missed quizzes **can not** be made up. There will be a comprehensive final exam.

Withdrawal Policy: The last day for you to withdraw from any course with an automatic "W" is July 24th. Please note that it is the student's responsibility to officially withdraw from a course or to request that professor to drop him/her.

Class Attendance: Class attendance is required. Students are responsible for attending the laboratory regularly and knowing what takes place during classes. This includes not only the material covered in the class, but also all announcements, handouts, changes in the syllabus, etc. *If you must* miss a class, you need to make a special effort to learn what occurred during your absence.

It is expected that the material be read *before* the topic is presented in class. With this background, the lectures and the lab will prove to be more meaningful.

***Make up:**

There will be **no MAKE-UP scheduled**, if you miss the class you will have to make it up in the regular class schedules.

*If allowed to makeup a lab make sure that the report quiz and pre-lab get to **your** TAs mail box (Room 204) or give them to a Lab Coordinator. (Dr. Narayan or Dr. Saupe) **NEVER give them to another TA.**

Disability:

If you have or suspect a disability and need accommodations you should contact The Center for Accommodations and Support Services (CASS) at 747-5148 or at cass@utep.edu or come by Room 106 Union East Building.

Students with pregnancies; It is recommended that you drop the course due to the hazardous chemicals handled during lab practices. If you chose not to drop, then lab coat and long sleeves, long pants and gloves, for every lab are mandatory.

Lab safety rules:

Will be covered in first lecture (In short)

- 1) No food or drinks and No use of cellphones in Lab
- 2) No Cheating on quizzes/exam (**Highly penalized + Dean of Student**)
- 3) No Violating lab rules (safety/lab etiquette)
- 4) Cleaning up your space after experiment

Any violation of safety rules will result in ZERO for the lab period.

Lab calendar*: We will not work directly through the lab book so watch the experiments. We will often do 2 experiments in one day.

Lab Experiments-1106 MWF labs	
Date	Experiment
July 3	Introduction and Safety
July 6	Exp 14: Hess law
July 8	Exp. 15: Beers Law and colorimetry
July 10	Exp. 17: Kinetics (kinetics because same reagent)
July 13	Exp. 16: Brethalizer
July 15	Exp. 18: Acids bases concentrations
July 17	Exp 20: pKa
July 20	Exp 20: pKb
July 22	Exp. 19: Saponification.
July 24 * Course drop deadline*	Exp. 21: Quantitative Analysis part I
July 27	-----
July 29	Lab final: Exp. 21: Quantitative Analysis part II (30%)

*calendar dates and experiments may vary depending on Lab coordinator criteria.

This syllabus is subject to change as per instructor request