

**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](mailto:_____@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 1105 (**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	30%	Lab reports: {	All letters and numbers must be legible. All reports must be complete before the lab period end.
Lab reports	40%		
Pre-Lab	20%		
Final exam	10%		

**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 June 26<sup>th</sup>. 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](mailto:cass@utep.edu) or come by Room 106 Union East Building.

**Students with pregnancies;** It is recommended that you drop the course dues 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-1105 MWF labs	
Date	Experiment
June 8	Introduction and Safety Lab Practice # 1
June 10	Exp. 4: Density
June 12	Exp. 3: Freezing point of glacial acetic acid
June 15	Exp. 6: PH indicators
June 17	Exp. 7: Balancing
June 19	Exp. 8: Vinegar titration
June 22	Exp. 12: Food calories.
June 24	Exp. 13: Enthalpy
June 26 * Course drop deadline*	Exp. 14: Entropy
June 29	Lab final

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

**This syllabus is subject to change as per instructor request**