

CHEM 1211K Lab Dr. Xue, Fall Semester 2018

- Instructor:** Dr. Shenghui Xue
210 Courtland North
Tel: N/A, will be updated in the class
sxue1@gsu.edu (preferred)
- Time & Location:** lab lecture 2:00 pm - 2:45 pm **Tuesday** NSC 218
lab 2:45 pm - 5:00 pm **Tuesday** NSC 234
- Office Hours:** Mondays 10:30 am – 12:00 pm, 1:30 pm-3:00 pm.
Wednesdays 4:00 pm – 5:00 pm, or by appointment.
- STEM Tutoring:** Sports Arena
125 Decatur St SE, First Floor
9 am – 6 pm M, T, W, R & 9 am – 4 pm F
<https://cas.gsu.edu/stem/student-resources/>
- Required Materials:**
Bound lab notebook
Safety Glasses (may be purchased the first laboratory period)
Non-programmable calculator
- Text:** GSU Lab manual (to be handed out at first lab lecture).
A course outline, schedule of activities, grading, etc., is included in the lab manual.

Comments on Lab:

Safety glasses required at all time.

Lab appropriate attire is mandatory (No shorts, sandals or open-toed shoes)

Individualized project-type lab.

Notebooks should be kept up to date; bound notebook required.

Notebooks must be signed by TA's or lab instructor at the conclusion of each lab session.

Quizzes and final exam are closed-book.

Cleaning up is part of the lab session. Students should stop working and begin cleaning up their work area no later than 30 minutes before the conclusion of the lab session.

Students must exit the lab by 5:00 pm

Students must turn in a report on density and have the instructor record their data for recrystallization, melting point, molarity of NaOH and HCl, and Equivalent Weight of unknown after the conclusion of each of these experiments.

Tentative Schedule

Session 1	August 28th	Introduction, safety video, check-in.
Session 2	September 4th	Density experiment
Sessions 3	September 11th	Recrystallization Experiment
Session 4	September 18th	Melting Point Experiment
Session 5	September 25th	Standardization of NaOH solution (KHP experiment)
Session 6	October 2nd	Titration of HCl
Session 7	October 9th	Equivalent Weight Determination
Session 8	October 16th	Computer Search
Session 9	October 23th	Pka Determination
Session 10	October 30th	Pka Determination Continued
Session 11	November 6th	Sodium Fusion Test
Session 12	November 13th	Finish Pka experiment if needed
Session 13	November 27th	Final Exam and Final Report and Notebook Due

Graded final exams, notebooks and final reports can be viewed at the instructor's office but will not be returned to the students.

No grades will be given via e-mail or by phone.

To pass the lab: Students MUST

- (1) Take the lab final exam.
- (2) Turn in the lab report **before** taking final lab exam.
- (3) Turn in notebook before taking the final lab exam.

Failure to do any of these does not result in an incomplete, it results in a **F**.

CHEMISTRY 1211 Lab
Fall Semester 2018

I have read the entire syllabus and understood the grading system and all the additional information provided in it, including the following:

1. No make-up quizzes will be given. If a student misses a quiz or a homework it will count as a zero.
2. Late and electronic copies of homeworks/reports will not be accepted.
3. Students need to show their GSU Panther I.D. card when taking quizzes and final test.
4. The instructor reserves the right to assign seating during quizzes and final test.
5. Cell-phone calculators and programmable calculators are not allowed.
6. Cell-phones need to be kept either in purses or book-bags during exams or quizzes; they should be turned off at all times. In addition, usage of all electronic devices while in the lab, is not allowed.
7. If late for class, please enter through the back door.
8. Hats and hoods that partially cover the face will not be allowed during tests/quizzes.
9. **A lab apron or coat and goggles are required at all times while in the lab.** Students will not be allowed in the lab wearing shorts, sandals or open-toe shoes, or tops that expose shoulders.
10. **Notebooks:**
 - A. The student must bring to lab the write-up for the experiment to be performed on each session; this must include “bullets” of the procedure(s) to be carried out and data tables to be fill out.
 - B. The student **must have the lab notebook signed by the TA or instructor at the conclusion** of the lab. We do not accept any other options of records keeping.

Name (print in ink): _____

Panther ID (in ink): _____

Signature (in ink): _____

Date (in ink): _____