

CHEM 1211K Lab

Spring Semester 2019

Labs: 3rd floor of Petit Science Center (PSC 362/355)

Monday at 11:00 – 11:45 AM (Lab Lecture, PSC 362), 11:45 AM – 2:00 PM (Lab, PSC 355)

Thursday at 12:00 – 12:45 PM (Lab Lecture, PSC 362), 12:45 – 3:00 PM (Lab, PSC 355)

Instructor: Dr. Pavel Tsitovich

Office: 833 Langdale Hall

Phone (office): (404) 413-5594

E-mail: ptsitovich@gsu.edu (*preferred*)

Office Hours: Monday 3:00 – 4:00 PM (833 Langdale Hall)

Wednesday 5:00 – 6:00 PM (833 Langdale Hall)

or by appointment.

Required Materials:

- 1) Bound lab notebook (a composition book)
- 2) Safety Glasses or Goggles (may be purchased the first laboratory period)

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/goggles required at all time.
- Lab appropriate attire is mandatory (No shorts, sandals or open-toed shoes)
- This is an 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 20 minutes before the conclusion of the lab session.
- Students must exit the lab by the scheduled end time.
- ***Students must turn in all required reports and have the instructor record their data after the conclusion of each experiment.***

Preliminary Schedule (subject to change):

Session 1	January 22 – 28	Introduction, safety video, check-in.
Session 2	Jan 29 – Feb 4	Density experiment. Safety Test.
Sessions 3	February 5 – 11	Recrystallization Experiment. Quiz 1.
Session 4	February 12 – 18	Melting Point Experiment. Quiz 2.
Session 5	February 19 – 25	Standard. of NaOH solution (KHP experiment). Quiz 3.
Session 6	Feb 26 – March 4	Titration of HCl.
Session 7	March 5 – 11	Equivalent Weight Determination. Quiz 4.
Session 8	March 12 – 25	Computer Search. Quiz 5.
March 16 -24 <i>Spring Break! No Classes!</i>		
Session 9	March 26 – April 1	pK _a Determination.
Session 10	April 2 – 8	pK _a Determination (<i>continued</i>).
Session 11	April 9 – 15	pK _a Determination (<i>continued if needed</i>). Quiz 6.
Session 12	April 16 – 22	Sodium Fusion Test (<i>if needed</i>).
Session 13	April 23 – 29	<i>Final Exam and Final Report and Notebook Due</i>

- *Only best 4 quiz grades out of 6 quizzes will be taken.*
- *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 provided by phone.*

Other rules:

- 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 filled 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 record keeping.