

CHEM 1211K Lab
Spring Semester 2018

A copy of this syllabus is available at: chemistry.gsu.edu
Click on **undergraduate**, click on **course syllabi**, click on **current semester**.

Lab Lecture: Tuesday 3:00 pm - 3:50 am, 362 PSC
Laboratory: Tuesday 3:50 pm - 6:00 pm, 355 PSC

Instructor: Dr. David Connors
210 Courtland North
dconnors@gsu.edu

Office Hours TBA

Required Materials:

Bound lab notebook
Safety Glasses (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 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 15 minutes before the conclusion of the lab session.

Students must exit the lab by 6:00 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.

Session 1	January 16th	Introduction, safety video, check-in.
Session 2	January 23rd	Density experiment
Sessions 3	January 30th	Recrystallization Experiment
Session 4	February 6th	Melting Point Experiment
Session 5	February 13th	Standardization of NaOH solution (KHP experiment)
Session 6	February 20th	Titration of HCl
Session 7	February 27th	Equivalent Weight Determination
Session 8	March 6th	Computer Search
Session 9	March 20th	Pka Determination

Session 10	March 27th	Pka Determination Continued
Session 11	April 3rd	Sodium Fusion Test
Session 12	April 10th	Finish Pka experiment if needed
Session 13	April 17th	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.

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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. There are not make-up labs unless students have a legitimate excuse for having missed a lab session. A lab make-up session is scheduled for the 12th lab session. A written authorization signed by the instructor is required.
10. **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.
11. **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 records keeping.

Name (print in ink): _____

Signature (in ink): _____

Date: _____