

CHEM 1212K Lab  
Spring Semester 2018

A copy of the entire syllabus is available at: [chemistry.gsu.edu](http://chemistry.gsu.edu)  
Click on **undergraduate**, click on **course syllabi**, click on **current semester**.

Lab Lecture: M 12:00 pm – 12:50 pm, 362 Petit Science Center  
Laboratory: M 12:50 am – 3:00 pm, 355 Petit Science Center

**Instructor:** Dr. Pedro C. Vasquez  
317 Petit Science Center  
(404)-413-5518  
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**Office Hours:** Tuesdays 11:00 am – 12:00 noon, or by appointment.

**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:**

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 may be announced or unannounced, closed book.

**Safety glasses required at all times.**

Cleaning up is part of the lab session. Students should stop working and begin cleaning up their work area, including their hood space, 15 minutes before the conclusion of the lab session.

Students must exit the lab by 3:00 pm

**Students must turn in reports on all calculations following the conclusion of each experiment, otherwise the student will not receive credit for the experiment:** see pp 73-83 of lab manual.

**First Session: January 22<sup>nd</sup>, 2018:** Orientation, Safety, check-in, crucibles weight experiment (pp 69 and 71 of the lab manual).

Students should remove page 71 of the lab manual and affix it to the lab notebook as page 1, following the table of contents.

Students should remove page 69 of the lab manual and affix it to the lab notebook as page 2. This experiment must be dated, and its format should apply to the rest of the experiments to be performed during the semester.

**Sessions 2 through 11:** Preparation and determination of the formula for a cobalt-amino-halide complex and determination of concentration of unknowns.

**Session 12: April 16<sup>th</sup>, 2018:** Make-up lab. Final report, including the table on page 67 of the lab manual due at this time.

**Session 13: April 23<sup>rd</sup>, 2018:** Final exam and check out; lab notebook due at this time.  
Graded lab notebooks may be picked up from the lab instructor within one week following completion of the lab after which time they may be discarded.  
Graded final exams 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 tests or quizzes will be given.
2. Students need to show their GSU Panther I.D. card when taking exams and quizzes.
3. The instructor reserves the right to assign seating during exams and quizzes.
4. Cell-phone calculators and programmable calculators are not allowed.
5. Cell-phones need to be kept either in purses or book-bags during exams or quizzes; of course, they should be turned off at all times.
6. **The preparation/handling of concentrated acids or ammonia solutions must be carried out under the hood. Unused concentrated acids or ammonia solutions must be diluted by adding them to water, under the hood. The amount of water to be used in the dilution depends on the amount of reagent needed to be diluted so it will not fume (about 1 in 10 dilution). The diluted solutions will be discarded in the waste drum located in the lab. Glassware used for the preparation/handling of concentrated acids or ammonia solutions must be rinsed with enough water, under the hood, and the combined rinses must then be placed in the waste drum.**
7. Preliminary reports on all calculations, **in ink**, must be submitted at the time of the completion of each experiment, and they must be included in the appendix section of the final report; otherwise, you will be assigned the minimum amount of points for those experiments not submitted (if you have supporting data in your lab notebook). Preliminary report forms are found in the last pages of the lab manual, one for each experiment needing calculations.
8. The clock schedule for the lab must be followed. Students are not to enter occupied labs before the scheduled start time of the lab itself. For each scheduled lab section, clean-up must be completed by the end time of the lab so as not to disrupt the next class.
9. There are no make-up labs unless students have a legitimate excuse for having missed two lab sessions. A lab make-up session is scheduled for the 12<sup>th</sup> lab session. Any authorized make-up lab session will not take place until after 02/27/2018. A written authorization signed by the instructor is required.
10. **A lab apron or coat and goggles are required at all times.** 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: \_\_\_\_\_