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