

Chem. 1A Laboratory and Seminar  
Continuation of Chem 1A Greensheet

Fall 2017

Attendance is required for both lab and seminar on a weekly basis since seminar quizzes and lab reports are part of your grade!

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**To add into a lab or seminar you MUST fill out the Pink Student Information sheet in LECTURE and return to the course lecturer as soon as possible. Make sure you give us multiple lab and seminar choices on that form so as to maximize your odds of being added to the course.**

**Until we find you a space you must attend ONE lab section a week and ONE seminar a week. The only person that can add you to the FULL Chem. 1A course is the course coordinator, Dr. Singmaster. Asking seminar instructors or lab instructors to save you a space will not work. List of adds will be posted daily in the basement of Duncan Hall, across from DH17. You have 48 hours to accept the add by giving Dr. Singmaster a note indicating that you accept the sections given to you. Once that note is received we will provide add codes to the course lecturers to distribute during lecture. Allow 2 days!**

### **Seminar**

The seminar is a part of the laboratory portion of the course. During seminar you will be discussing the following week's experiment and data analysis. It is also the place in which you will be taking your lab quizzes and exams. **There will not be make-ups for lab exams and quizzes.** You can however schedule to take it early if you have a valid excuse for your absence. If you are late for seminar and miss the quiz, your seminar instructor can, based on your excuse, grant you permission to attend another seminar section to take the quiz with them. You will need to inform the seminar instructor for the seminar you are visiting that you are there to make up the quiz. **YOU MUST INDICATE YOUR LAB SECTION NUMBER AT THE TOP OF THE QUIZZES AND EXAMS.** The top of the quiz will ask you for your full name, course ID number and the number of your lab section. Without a lab section your quiz might not get graded! So memorize your number NOW!! The quizzes and lab exams are forwarded to you lab instructor for grading.

### **Laboratory**

Your lab instructor will give no more than a very brief review of what is to be done in lab since the experiment was presented and discussed during seminar. If you don't know what to do, you will be asked to go to the hallway and read your experiment. It is your responsibility to complete the experiment in time, particularly if you don't come prepared! For some experiments there will be a prelab, work you must do prior to coming to lab. You must show the lab instructor that you completed the pre-lab before you are allowed to start the experiment.

Credit for doing a lab comes from attending the lab, physically doing the lab and then handing in the

necessary reports/worksheets. Without the reports, you will not get credit for the lab. If you hand in a report without having attended the lab, you will be dropped from the course and reported to the University's Disciplinary Committee. Many of the labs are done in pairs. Both members of the group are expected to be physically involved in doing the experiment and collecting the data. If one student does all the work, the partner will not get credit, even if the partner hands in a report sheet!

Many of the labs do not take the full three hours, if you work efficiently. We have allowed time for you to complete your lab report and/or practice problems in lab. We strongly encourage you to do so. In many cases, you must hand in your lab report or a portion of it prior to leaving lab if you wish to receive credit for the lab.

**Please do not be absent from lab! Two unexcused absences are sufficient for us to fail you in the full course.** You have one opportunity to make-up a lab, if you have a valid excuse. You would attend another section of the lab (during the same week you missed lab) and request a Make-Up lab slip. Follow the instructions on the slip. The make-up lab instructor can deny you access to make-up the lab if his/her room is full. **Your instructor will not accept more than one make-up lab unless it comes fully documented from you and supported by Dr. Singmaster.**

### **Lockers**

You will be sharing lockers with a student from another lab section. Make sure you leave the locker clean. Do not store chemicals used in the experiments in your locker. Do not leave valuables in the locker. Students who leave lockers dirty and with stored chemicals will be penalized financially. Consider purchasing your own goggles/safety glasses. Do not store them in the locker. You must check out of your locker even if you elect to not finish the course or you will get billed as much as \$40.

### **Grading**

The grade for lab is forwarded to your lecture professor. He/She will combine that with your lecture grade to give a grade for the full course. The grading is based on quizzes, lab exams, lab reports and evaluations points. **These points do not all have the same weight.**

**Quizzes** – We expect that you will have twelve 10-point lab quizzes which includes a greensheet quiz on Canvas. We will delete the two lowest quiz scores to calculate your total quiz score. You must get 80% or better in the safety quiz to remain enrolled in the course. You will have a maximum of two chances to pass the safety quiz. If you fail the safety quiz the first time, you will have to either visit your lab instructor or Dr. Singmaster to get a make-up chance. The quiz must be passed by the end of the second week of school to remain in the course. **We do not have make-ups for quizzes because we delete two quiz scores.** You can take the quiz early by visiting Dr. Singmaster during her office hours, if you have a valid reason for needing to take the quiz early. Going on vacation, wanting to start Thanksgiving or Spring Break early, not wanting to come to school on Friday because Chem 1A is your only Friday class are NOT valid reasons!

**Lab Reports/Prelabs/Worksheets** – We expect that there will be 12 lab reports/prelabs/worksheets that must be handed in to receive credit for labs. The value of each lab differs so look at the report sheet to determine the value. Please look at additional information on the attached tables.

**Exams** – Two 50 minute, 100-point exams will be given during the seminar time. The exam dates and the experiments they cover are included in the attached Lab Schedule. **We do not have make-ups for lab exam.**

**Total Lab score is made up by 35% lab exams, 35% lab quizzes and 30% lab reports. You must pass the lab with a 55% or better to pass the FULL course!**

## Chem 1A Lab Schedule – Fall 2017

Week	Dates	Lab	Seminar
		<b>Attendance Required!</b>	<b>Attendance Required!</b>
<b>0</b>	8/23 - 8/25	No lab!	Safety
<b>1</b>	8/28 - 9/1	Check-in, Safety Discussion	Safety Quiz, Discuss Exp. 1
<b>2</b>	9/5 - 9/8*	Exp. 1 - Basics	Discuss Exp. 2
<b>3</b>	9/11 - 9/15	Exp. 2 - Hydrate	Quiz on Exp. 1, Discuss Exp. 3
<b>4</b>	9/18 - 9/22	Exp. 3 - Conductivity	Quiz on Exp. 2, Discuss Exp. 4
<b>5</b>	9/24 - 9/29	Exp. 4 - Mystery Bottles	Quiz on Exp. 3, Discuss Exp.5
<b>6</b>	10/2 - 10/6	Exp. 5 - Activity Series	Quiz on Exp. 4, Discuss Exp. 6
<b>7</b>	10/9 - 10/13	Exp. 6 - Titration	Quiz on Exp. 5, Discuss Exp. 7
<b>8</b>	10/16 - 10/20	Exp. 7 - Light	<b>Lab Exam I (Exp. 1 through 6)**</b>
<b>9</b>	10/23 - 10/27	Exp. 8A - Periodic Prop***	Quiz on Exp. 7, Discuss Exp. 9
<b>10</b>	10/30 - 11/3	Exp. 9 - Molecular Models	Quiz on Exp. 8, Discuss Exp. 10
<b>11</b>	11/6 - 11/9	Exp. 10 - Gas Law Exp. 8B - Semiconductors	No seminar; Quiz on Exp. 9 & notes for Exp. 11 on Canvas
<b>12</b>	11/13 - 11/17	Exp. 11 - Forces****	Quiz on Exp. 10, Discuss Exp. 12
<b>13</b>	11/20 - 11/21	No lab	No seminar
<b>14</b>	11/27 - 12/1	Exp. 12 - Heat of reaction	Quiz on Exp. 11, Discuss Lab Ex
<b>15</b>	12/4 - 12/8	Check out	<b>Lab Exam II (Exp. 7 through 12)</b>
<b>16</b>	12/11	No lab	No seminar
* Monday labs need to attend a lab section on one of the other days or will get emailed data from Dr. S			
** For a copy of the seminar notes for Exp. 8 go to Canvas files for seminar			
*** Online experiment			
**** Choice of doing online or in lab in groups.			

### Important Reminders about Lab and Seminar

- 1) Quizzes will be given during the seminar time.
- 2) Seminar serves as the time to discuss the following week's experiment. Read the experiment before coming to seminar. The lab instructor will not be going over the experiment with you prior to the start of the lab. Students leaving seminar early can lose points!
- 3) You must memorize your lab section number and write it in the space provided on the quiz or lab exam. Quizzes without lab section number will be discarded. You must sign your quiz!
- 4) Many of the experiments require that you hand in the lab report sheet at the end of the lab!!  
Make sure you know when the work is due!
- 5) You have only one opportunity to make up a lab by attending a lab section other than your assigned sections. If you know you will be absent on Thursday, go to a Tuesday or Wed. lab. Fill out the lab make-up slip. Only one make-up will be counted. If you are unable to make-up a lab and you have a VALID excuse, go see Dr. Singmaster.

### Chem 1A Lab Due Dates – Fall 2017

Week	Dates	Due at the start of Lab	Due at the end of Lab
0	8/23 - 8/25	Nothing	Nothing
1	8/28 - 9/1	Nothing	Safety slip, locker card, signature card and high school practice
2	9/5- 9/8*	Nothing	Nothing
3	9/11 - 9/15	Report Sheet for Exp. 1 (25 pts)	Nothing
4	9/18 - 9/22	Report Sheet for Exp. 2 (30 pts)	Reaction Sheet for Exp. 3 (20 pts) Report Sheet for Exp. 3 (10 pts)
5	9/25 - 9/29	Prelab for Exp. 4 (5 pts)	Report Sheet for Exp. 4 (35 pts)
6	10/2 - 10/6	Nothing	Report Sheet for Exp. 5 (40 pts)
7	10/9 - 10/13	Nothing	Nothing
8	10/16 - 10/20	Prelab for Exp. 7 (5 points) Report Sheet for Exp. 6 (30 pts)	Report Sheet for Exp. 7 (20 pts)
9	10/23 - 10/27	Graph for Exp. 7 (15 pts)	Report Sheet for Exp. 8 (25 pts)
10	10/30 - 11/3	Prelab for Exp. 9 (5 pts)	Report Sheet for Exp. 9 (35 pts)
11	11/6 - 11/19	Nothing	Report Sheet for Exp. 10 (35 pts)
12	11/13 - 11/17	Nothing	Report Sheet for Exp. 11 (30 pts)
13	11/20 - 11/21	Nothing	Nothing
14	11/27 - 12/1	Nothing	Nothing
15	12/4 - 12/8	Must check out or get billed! Reportsheet for Exp. 12 (30 pts)	Check out card to instructor

**If a report or worksheet is due at the end of the lab**, it must be handed in at the end of lab. If handed in after the lab period is over and the instructor has closed the lab, the penalty will be 50% off. Lab reports more than one week late will receive a grade of zero.

**If a report sheet is due at the start of a lab**, it must be handed in no later than 5 -10 minutes after the lab starts. The lab instructor can allow one late report (20 minutes) if a valid excuse is provided. Reports handed in late (but no later than one week late) will result in a 50% penalty. Your report will be graded following the grading key and your grade will be cut in half. Reports handed in more than one week late will receive a score of zero. (We strongly encourage you to drop off the report sheet on the instructor podium as you walk into lab so as to make sure it isn't late. This rule had to be created because students were taking lab time to do the report sheets out in the hallway, copying from each other, when they should have been in lab listening to the instructor and starting the new experiment. You need to do your work BEFORE the START of lab.)

**Prelabs** must be shown to the instructor at the start of lab, within the first 15 - 20 minutes of lab. If it isn't done at the start of lab, the student will be told to do the prelab in the hallway prior to being allowed to start lab. The student will not receive credit for the prelab. The student will then have to complete the lab by the end of the period. Extra time will not be granted.